

I.2.9. Acuerdo 9/CG 13-07-17 por el que se aprueba el título de Master Universitario Erasmus Mundus en Física Nuclear.

La Comisión de Estudios de Posgrado y Formación Continua ha aprobado, por delegación del Consejo de Gobierno, el título de Master Universitario Erasmus Mundus en Física Nuclear.

CONSORTIUM AGREEMENT FOR THE ERASMUS MUNDUS MASTER COURSE
European Master in Nuclear Physics (NuPhys)
Specific Agreement for Action 1

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CONSORTIUM AGREEMENT FOR THE ERASMUS MUNDUS JOINT MASTER DEGREE IN NUCLEAR PHYSICS (EMJMDNP)

The parties:

Universidad de Sevilla (hereinafter US-ES), represented by its Rector Mgfc.-- Prof. Dr. Miguel Ángel Castro Arroyo (responsible unit: Vice-rectorate for Internationalization),

Hereinafter referred to as the Consortium Coordinator,

and

Universidad Autónoma de Madrid (UAM-ES), responsible unit: Vicerrectorado de Relaciones Internacionales, legal representative: Prof. José María Sanz Martínez, Rector.

Universidad de Barcelona (UB-ES), responsible unit: Vicerrectorado de Proyección e Internacionalización, legal representative: Prof. Alex Aguilar Vila, Deputy Rector.

Universidad Complutense de Madrid (UCM-ES), responsible unit: Vicerrectorado de Relaciones Internacionales y Cooperación, legal representative: Prof. Carlos Andradás Heranz, Rector.

Universidad de Salamanca (USAL-ES), responsible unit: Vicerrectorado de Internacionalización through its Oficina de Proyectos Internacionales, legal representative: Prof. María Ángeles Serrano García, Deputy Rector.

Université de Caen Normandie (UNICAEN-F), responsible unit: Département de Physique, Chimie et Ingénierie (PCI), legal representative: Prof. Pierre Denise, President.

Università degli Studi di Catania (UniCT-I), responsible unit: Department of Physics and Astronomy, legal representative: Prof. Francesco Basile, Rector.

Università degli Studi di Padova (UniPD-I), responsible unit: Dipartimento di Fisica e Astronomia, legal representative: Prof. Rosario Rizzuto, Rector.

Hereinafter referred to as “the contractors” or “partner institutions”. Together, they form “the NuPhys Consortium” and “parties to this agreement”.

1. Purpose of the agreement

The purpose of the agreement is to agree on the implementation and management of the Erasmus Mundus Joint Master Degree (EMJMD) in Nuclear Physics governed by the Framework Agreement (number 2016-2070, date 31/10/2016) between the Education, Audiovisual and Culture Executive Agency (EACEA) and the Consortium Coordinator of the NuPhys Consortium.

This agreement shall specify the respective rights and obligations of the parties with regards to the running of the joint programme EMJMDNP.

All parties are subject to the rules and regulations set up by the Education, Audiovisual and Culture Executive Agency (EACEA) in the agreement mentioned above regarding both the responsibilities towards the EACEA and towards other parties to this agreement.

2. Validity and amendments

This agreement shall come into force on the day it has been signed by each of the parties but shall have retroactive effect from the date of signature of the Grant Agreement.

This agreement is valid only when it harmonises with the meaning of the Framework Agreement. The validity of this agreement shall be made only by supplementary agreements signed on behalf of each of the parties by legal representatives.

The period of validity of the present Agreement will be linked to the Grant Agreement number 2016/2070 signed by the Universidad de Sevilla, acting as the consortium coordinator, and the Education, Audiovisual and Culture Executive Agency (EACEA), dated on October 31st 2016 and with validity till October 30th 2021. The agreement could be extended if all the consortium members agree in case of renewal of the Erasmus Mundus certification.

3. Management of the Programme

3.1 Coordinating and Partner Institutions

With regard to the Erasmus Mundus recognition and mobility grant funding, and as required by the European Commission, the University of Seville (US-ES) shall be referred to as the “coordinating institution”, Universities Autónoma de Madrid (UAM-ES), Barcelona (UB-ES), Complutense de Madrid (UCM-ES), Salamanca (USAL-ES), Caen-Normandie (UNICAEN-FR), Padova (UniPD-IT) and Catania (UniCT-IT) shall be referred as “partner institutions”. All of them together form the “Consortium”.

The institution at which the students are resident at any one time shall be referred to as the “host institution”. At any one point in time, each student shall be associated with one host institution. Over the duration of the Programme, each student shall be associated with, at least three Institutions.

3.2 Obligations of the Coordinating institution

The Consortium Coordinator manages the administrative, legal and financial matters of the NuPhys Consortium and the NuPhys Master Course towards the EACEA. The Consortium Coordinator is responsible for all contacts with EACEA.

The Consortium Coordinator shall report to NuPhys consortium in such a way that these have full understanding of the administrative, legal and financial matters.

The Consortium Coordinator shall undertake:

- To take all the steps necessary to prepare for, perform and correctly manage the programme set out in this contract and annexes, in accordance with the objectives of the project as set out by EACEA.
- To send the contractors copies of the agreements signed with EACEA together with the annexes and any other official document concerning the project.
- To notify and provide the contractors with any amendment made to this agreement.
- Inform contractors of any communication sent on the Master by the EACEA and any communication sent by the Coordinator to EACEA.

The University of Seville, as the coordinating university in the consortium, shall undertake:

- To comply with all the provisions binding the Consortium Coordinator to the EACEA.
- To propose the Academic Coordinator and the Administrative Coordinator of the Programme.
- To nominate the members of the University of Seville composing the Academic Commission and the Board of Management (Academic Committee + NuPhys Secretariat).

3.3 Obligations of the partner institutions

The partner institutions are subject to the rules and regulations set up in the Framework Agreement number 2016-2070, date 30/10/2016.

Each of the partner institutions shall undertake:

- To take all the steps necessary to prepare for, perform and correctly manage the programme set out in this contract and its annexes, in accordance with the objectives of the project as set out in the agreement concluded between the EACEA and the legal representative of the Consortium Coordinator of the NuPhys.
- To comply with all the provisions of agreements binding the Consortium Coordinator to EACEA.
- To communicate the Consortium Coordinator any information or document required by the latter that is necessary for the management of the project.
- To accept the responsibility for all the information communicated to the Consortium Coordinator, including details of costs claimed and, where appropriate, expenses difficult to justify.
- To nominate one member for the Academic Commission and one member for the Selection Committee and the Quality Committee. Every single partner institution must nominate its own representatives.

The partner institutions also undertake:

- To promptly notify any delay in performance or any event that may impact the joint master programme to the NuPhys consortium Board.
- To inform the Board of Management of relevant information received from third parties as regards the joint master course.
- To act all the times in good faith and in a manner that reflects the good name, goodwill and reputation of the other contractors and in accordance with scientific and academic ethics.
- To participate in a cooperative manner at the meetings of the different bodies under this Consortium Agreement.
- To undertake all duties defined by the Management Board in the EMJMDNP Handbook to be updated yearly.

3.4 Consortium Structure

3.4.1 Faculty

The NuPhys Consortium is founded on the NuPhys Community, constituted by all the Partner's teaching bodies, scholars, administrative, students and alumni involved in the NuPhys Master Course.

The Faculty of the NuPhys Consortium is constituted by the teaching staff of the Master Course, and whoever participates in the implementation of the Master Course teaching activities and tutoring, seminars and schools/workshops. The Faculty comprises also the administrative bodies which are in charge of the NuPhys Master Course organization, from each partner's body. The Faculty is coordinated by the NuPhys Academic Coordinator, from the US-ES.

3.4.2 Academic Committee

The NuPhys Academic Committee is responsible for the correct implementation of the EMJMD and the general management. It is formed by one local academic of each full partner (universities), two persons from the associated partners/associated companies (proposed by the NuPhys Coordinator), and one student from the coordinating institution.

3.4.3 The NuPhys Joint Secretariat

The NuPhys Secretariat is the executive board, in charge of executive management, communication with EACEA, administrative and financial management. It is located at the coordinating institution and is composed by the Consortium Academic Coordinator and one administrative assistant and supported by the administration of the International Graduate School of the US-ES. It is in contact with local administrative staff at partner institutions and supervises exchange of student documents among partners. The Secretariat ensures update of the website and application system.

3.4.4 NuPhys Management Board

The NuPhys Management Board is composed by the Academic Committee plus the NuPhys Secretariat and shall support the Consortium Coordinator in managing the programme. The Management Board shall meet at least once a year. The Management Board will select the scholars. The meetings could be on-line.

The NuPhys Management Board shall undertake:

- To establish the financial conditions regarding the Erasmus Mundus grant.
- To review and amend the scholarship conditions, if necessary.
- To ensure quality assurance of the programme.
- To define common standards for admission, a common application procedure and to organize a joint student and scholar selection process.

Concerning the selection of the students and scholars, the Board of Management through the Selection Committee shall:

- Review admission and selection criteria annually and make necessary changes.
- Agree on the selection procedure and methods
- Agree on the allocation of evaluation tasks between partners.
- Select the students and establish the proposed list of scholarships holders to be sent to EACEA.
- Decide on the students study tracks.
- Select the invited scholars and establish the proposed list of scholars to be sent to EACEA.

3.4.5 The NuPhys Selection Committee

The NuPhys Selection Committee is in charge of the issues related to the admission criteria, selection procedure and awarding of Erasmus Mundus scholarships to the best students. It is formed by one academic from each full partner (universities) as well as one person representing the associated partners. This committee will have regular meetings before the beginning of each EMJMD edition to manage all applications received and to apply the admission criteria for the student selection process as well as for the award of the EMJMD scholarships, according to Erasmus + rules. One selection meeting will be organised annually by the Consortium Coordinator typically in February-March for a first selection of candidates. In case of available places for self-financed students in the Master, there could be a second meeting in May. The meetings could be on-line.

3.4.6 The NuPhys Quality Committee

The NuPhys Quality committee is in charge of ensuring the internal EMJMD quality and to design improvement strategies. This committee is formed by one academic of each full partner (universities), one representative of the NuPhys associated partners/companies and two students of the present EMJMD edition. This committee will implement all the internal evaluation strategies and mechanisms. It will also be in charge of coordinating with the external organisms/institutions/agencies responsible for the external quality assurance of the EMJMD.

3.4.7 The NuPhys Associated partners

Concerning the role of the Associated Partners, collaboration is specifically asked for with reference to:

- Student internships that are planned during the third term of the Master Course, content of the internship as well as the related research topic will be jointly assessed;
- Student final Master Thesis that are planned during the fourth term of the Master Course, content of the Master Thesis as well as the related research topic will be jointly assessed;
- Evaluation on the Master Course process and results, certifying quality of the educational programme, innovation research contents, job placement and opportunities within innovative research sectors;
- Nomination of key figures in the NuPhys to be invited to attend the NuPhys community, and specifically the Academic Committee;
- Diffusion of results, partnerships and project/program development;

- Fund raising, networking and promotion.

3.4.8 The NuPhys Alumni Association

The Alumni association will play an important role in the Consortium:

- They will be invited to the NuPhys Management Board meetings;
- They can propose topics and lecturers to the Management Board;
- They will be in continuous contact with the Consortium and support activities of diffusion and promotion;
- They may follow the alumni career through questionnaire surveys;
- They may be involved in school/workshops organized by the Consortium.
- They will be invited to participate in Newsletter of the Consortium.

3.5 Disputes

The parties agree that any disputes arising from the performance of this Agreement shall be resolved in a forum agreed by all parties.

4. Joint procedures and final degree awarded

4.1 Joint student application, selection and admission procedures

Applications for admission will be submitted on-line, through the NuPhys web-page application system, to the Coordinating Institution (US-ES) for their processing.

Applicants should have excellent University records, with at least 3 years of prior studies corresponding to 180 ECTS, with major in Physics. The selection committee could consider with lower preference applications with majors in: Chemistry, Engineering, Applied Mathematics or equivalent. Proof of English B2 or higher (or equivalent) is required. Applications will be ranked according to the following criteria, rated on a scale of 0 to 100:

- academic results of the student within his/her class (typical requirement: Grade Point Average) of at least 75% of the scale maximum -- up to 40 points
- personal or on-line interview with the selection committee -- up to 40 points
- relevant work experience related to the field of the Master Course -- up to 5 points
- covering letter by the student -- up to 5 points
- recommendation from recognized scientists -- up to 5 points
- level of English knowledge (higher than B2) -- up to 2 points
- other merits to be considered by the selection committee -- up to 3 points
- relevance of the student's background with the field of the Masters course -- this will be assessed in the interview and used as a renormalization factor on the points obtained in it.

For every intake, maximum 25 students will be accepted; out of these around 60% will be selected for a scholarship from the EMJMD Programme.

4.2 Admission and registration

The selection committee of the consortium will analyse applicants and propose a ranking as a function of their merits. The first 25 applicants in the list will be admitted to the program, the rest will be in a waiting list. Without prejudice to high academic standards, in order to ensure geographical diversity among students, the Consortium shall respect the following basic criteria when selecting students for an Erasmus scholarship: No more than two of the students selected for an Erasmus scholarship should have the same nationality.

On admission, student will register for the first-year Programme at the entrance institution (US-ES for path 1, UniPD-I for path 2 and UniCT-I for path 3) and for the second year at UNICAEN-F for all paths. Registration at each institution will follow the institution's normal registration rules.

4.3 Joint assessment methods of student's performance

The NuPhys Consortium accepts the EEES/ECTS grading system as the joint grading scale to be used in the Master Course.

NuPhys will use the ECTS grading system with the following conversion factors:

EEES/ECTS	FX-F FAIL	E Sufficient	D Satisfactory	C Good	B Very Good	A Excellent	A+ Exceptional
SPAIN	<5,0	5,0-5,9	6,0-6,9	7,0-7,9	8,0-8,9	9,0-9,5	9,6-10 MH
FRANCE	<10	10-10,9	11,0-11,9	12,0-13,9	14,0-15,9	16-17,9	18,0-20,0
ITALY	<18	18-20	21-23	24-25	26-27	28-29	30-30 e lode

Global evaluation:

Each term will give place to a partial student evaluation step, as follows:

- S1, S2 and S3 (only courses) Term evaluation: at the end of the first, second and third semesters, each Term's teaching body will evaluate students in terms of knowledge, applying knowledge and skills acquired during term courses. All organization and marks will follow the local regulations and translated to the ECTS grading as given above. The global mark of all courses will count 65% in the total student score.
- At the end of student internship, the Consortium tutor and a committee will evaluate a short report produced by the student and his/her oral presentation, as to evaluate acquired knowledge, skills and awareness. This evaluation counts for a 10% in the total score of the student. This report evaluation will be also included in the internal evaluation process of each student.
- At the end of the fourth term, the students will be evaluated in term of knowledge, applying knowledge, making judgments, communication skills and learning skills. Final thesis project counts 25% in the final score. Student thesis final project (developed in term S4) will be evaluated in two steps, taking in consideration the standard requirements of the Master's thesis: the thesis will be assessed and graded in written form by the thesis supervisor and an external reader from another consortium partner institution. In case of a discrepancy between the two written reports an external reader from the third partner University/Associated Center will be decisive. Once, a positive inform is obtained, the Thesis will be defended at the corresponding University following its rules. The Thesis will be graded using the local markings and translated to the joint European ECTS grading scale given above.
- The grades from courses (65%), internship (10%) and Master Thesis defence (25%) expressed in ECTS grading scale will be composed for obtaining the Master final grade.

The Master score will be delivered according to ECTS grading scale, so to be convertible to every other national grading scale.

4.4 Exams and examination boards

All matters related to exams, examination boards and the corresponding procedures will be those of the host institution. The marks given in the local scale will be converted to the EEES/ECTS scale grading as given in the preceding table. These include the regular courses, internship and Master Thesis. However, for the internship the Consortium will provide with a specific committee that will evaluate all students in each intake.

4.5 Re-sits

While at the host institution, the local policies for re-sitting local Masters level examinations will apply. These include courses, internship and Master Thesis.

In case of failure and need of new inscription, the extra costs of this inscription will be fixed by the host institution and paid by the student by his/her own funds.

4.6 Internships

UNICAEN-F is the institution designed by the Consortium to have the responsibility of tutoring and monitoring internship's student activities. The internships will be programmed in advance, to make them a real working experience, valuable for future job placement. Moreover during the internships the students will define the project and initiate the work for the Master Thesis.

4.7 Supervision of Thesis

The development of the final Master Thesis will be supervised and evaluated in the host institution during the fourth semester according to the local procedures and regulations of the institution.

4.8 Student records

With relation to assessment and reporting, the host institution has the primary and ultimate responsibility for obtaining from the instructors and transmitting to the coordinating institution in timely fashion, assessment records for all participant students. The coordinating institution will keep the summary of all student records and will transmit them to the partner institutions as soon as possible after the assessment period.

4.9 Degree awarding Institutions and Degree

NuPhys is a joint master programme offered by different institutions. All parties to this agreement are degree awarding institutions.

The EMJMDNP is a 120 ECTS programme. It lasts two years.

The University of Seville, in accordance with the current legislation, will issue a single degree with a specific reference to the Universities participating in the master course. Contractor Universities may award their own degree.

Currently, the participant Universities are only able to award **NuPhys** successful students a multiple Master degree based on the existing national Masters. Each hosting Higher Education Institution (HEI) can award its own Master degree to all students who have obtained a minimum of 30 ECTS in the institution. The Master degrees delivered by each HEI member of the Consortium are fully accredited in the participant countries.

The present relevant Master degrees active in the participant Universities are:

SPAIN: there is a joint national Master degree in "Física Nuclear", coordinated by the US-ES and participated by all Spanish Universities of the consortium. The Spanish universities can award this joint Master degree to the **NuPhys** students. This interuniversity master degree is regulated by the Royal Decree 1393/2007 (October 29) and started on the academic course 2010/2011. Accreditation has been successfully revised on May 2015. Upon approval of the NuPhys proposal, the University of Seville has applied for the accreditation of the 120 ECTS Erasmus Mundus Master degree "Máster Erasmus Mundus en Física Nuclear (European Master in Nuclear Physics) to the University Council of the Ministry of Education, Culture and Sports. This Master degree will be a joint degree at least at the Spanish level (that is, a single diploma signed by the Rectors of all Spanish universities involved in the consortium). Upon accreditation, the US will award the 120 ECTS "Máster Erasmus Mundus en Física Nuclear" (European Master in Nuclear Physics).

ITALY:

UniPD-I can award the Master of Science (M.Sc.) Degree in Physics (Laurea Magistrale in Fisica – LM17).

UniCT-I can award the Master of Science (M.Sc.) Degree in Physics (Laurea Magistrale in Fisica – LM17).

FRANCE. The UNICAEN will award the Master of Science (M.Sc.) Degree in Physics (Master mention Physique) to students who have successfully validated the 120 ECTS of the EMJMD, including 30 ECTS from the Caen Master (Master de Physique, parcours NAC-Int). The associated local Master has been

accredited by the National Ministry (Ministère de l'Enseignement Supérieur et de la Recherche) in the academic year 2016/2017 for five years as "Master, mention Physique" according to the legislation (arrêté du 22 janvier 2014 NOR: ESRS1331846A). The path NAC (Noyaux, Atomes, Collisions) of this Master has courses in English and academic contents optimized for the EMJMD.

In addition, the **NuPhys** Consortium is fully aware of the importance of the delivery of a Joint Diploma after completion of the **NuPhys** joint programme, in terms of transparency and visibility at European level and beyond. It is fully committed to work on this aspect: each consortium member has already checked the possibility of issuing a joint degree at the national level and analysing the most successful mobility scheme of students will tune the most suitable way to achieve such fundamental joint result. Our final aim is that EMJMDNP will award an official joint-degree to the successful students signed by Rectors or Presidents of all involved universities. The official name of the proposed joint Master degree will be "**European Master in Nuclear Physics**".

Name of institution	Title of degree awarded for this Masters Course by this institution (also in the original language)	Type of degree awarded
University of Seville (ES)	Máster Erasmus Mundus in Nuclear Physics (European Master in Nuclear Physics).	multiple
Universities Autónoma de Madrid, Barcelona, Complutense de Madrid, and Salamanca (ES)	Máster Erasmus Mundus in Nuclear Physics (European Master in Nuclear Physics).	multiple
Université de Caen Normandie (F)	Master mention Physique.	Multiple
University of Catania (IT)	Master of Science (M.Sc.) Degree in Physics (Laurea Magistrale in Fisica).	Multiple
University of Padova (IT)	Master of Science (M.Sc.) Degree in Physics (Laurea Magistrale in Fisica).	Multiple

5. Study Programme

Universities formulate and approve through their respective academic bodies all active study programmes which are organised into semesters, modules and ECTS credits. Study programmes shall cover the whole study period, including final examinations.

The complete Programme with the course structure for three possible paths is included in Annex I.

The Master course is structured in four semesters (S1, S2, S3 and S4). S1 and S3 will be from September till February, S2 and S4 will cover from February to September.

5.1 Changes to the approved study programme

The joint study programme is the one included in Annex I. It can be modified by mutual consent between the parties and the EACEA, without detriment to students already enrolled.

6. Registration fees and other financial matters

6.1 Erasmus Mundus grants and scholarships

The Consortium establishes a specific use and allocation of funding to undertake the financial management of the programme. All the financial resources will be distributed among partners according to the payment scheme given in Annex II. The corresponding amounts will be transferred to each university at the end of the first semester at the latest to guarantee the smooth running of the master course.

In general conditions, travel case for the organisation of the activities of those responsible for academic matters of the Master will be covered by each university, except for the annual Board Management meetings whose expenses will be covered by the Coordinating institution.

The grant for the financial management of the scholarships for partner-country students selected and the scholarships for programme-country students will be transferred to the US-ES, the Coordinating institution. The scholarships for scholarship holders will also be transferred to the Coordinating institution.

6.2 Tuition Fees and administration fees

The US-ES as Coordinating institution will allot the fees amongst partner universities and will manage them according to the criteria agreed by the consortium (see Annex II). The total amount of the fees for partner-country students as well as the total amount of the fees for programme-country students will be distributed among the universities in the consortium, taking into account the number of students admitted by each university as given in Annex II. These amounts distributed amongst the universities in the consortium will be devoted to the management of the Master through the responsible units of each university.

The US-ES will pay this amount to each partner through a bank transfer as soon as it receives from EACEA the total amount of the registration fees of the partner-country and programme-country students. Payment for each semester will be transferred to the universities at the end of particular semester at the latest.

The Coordinating institution will be free to deduct the administration fees applied according to the administration rules of the US-ES, always with the previous consent of the student.

The amounts allocated to students for mobility and installation costs will be transferred to the students after their arrival to the entrance University and will be transferred to a bank account in Europe (money will be only transferred to bank account in Spain, Italy or France). The subsistence costs will be transferred to the student bank account on a monthly scheme. Concerning semester 3, an extra amount covering the admission fee at the University of Caen will be transferred to the scholarship holders, such that they can be enrolled at the University following the local rules. This fee is fixed at the national level. The same amount will be correspondingly subtracted from the global tuition fees of the University of Caen (see annex 2). The grant contribution to the participation costs will be taken directly by the Coordinating institution.

The tuition fee for non-Erasmus scholarship holders will be fixed by the host institution. The Consortium could decide eventual total or partial fee-waivers for some of these students.

6.3 Insurance

The Consortium, through the Coordinating institution, will select a suitable insurance policy for students that is 100% compliant with the EACEA minimum requirements.

6.4 Additional Costs

The costs for travel, room and board are responsibility of each student and shall be paid by his/her own funds. The institutions shall oblige their students to keep, and maintain in full effect, health insurance with coverage acceptable to the host institution and applicable government requirements.

Fees other than tuition fees, such as re-examination, late registration and others, may be payable by the students in addition to the tuition fee. These shall be levied at the standard rate of each institution.

In case of failure and need of new inscription, the extra costs of this inscription will be fixed by the host institution and paid by the student by his/her own funds.

7. Students matters

7.1 Student selection

According to Erasmus Mundus Masters Course regulations set up by EACEA, the NuPhys Consortium selects and admits the students to the programme.

Students involved in the mobility programme shall enjoy the benefits and shall be likewise subject to the regulations and norms which are in force in the Universities concerned in the programme.

Students will be selected and admitted to the programme by the Consortium (see point 4.2). On admission, students will register (as stated in point 4.2) and the corresponding tuition fees then will be distributed amongst partner universities according to the chosen mobility itinerary.

7.2 Student Agreement

The Consortium Coordinator will receive all scholarships awarded by EACEA. The Consortium will distribute the scholarships using a specific agreement which has to be signed by the student to facilitate the administrative and financial relations between the Consortium and the student. The tuition and administration fees will be deducted directly from the EMJMD scholarship with prior consent from the student. The Erasmus Mundus scholarships will be transferred only to a European bank account.

The student's rights and responsibilities are the same as those valid for any other student at the institution where the student is studying at the specific moment. The student must comply with the requirements of the institution in question as regards documentation for registration procedures and documentation for visa purposes (for more information see the model of Student Agreement).

The Consortium institutions assume no responsibility whatsoever for any property of the students or persons under the care of any host institution and is hereby expressly released and discharged from any and all liability for any loss, injury or damage to persons or property that may be sustained by reason of activities pursuant this Agreement.

While in a host institution, the local policies for the resolution of complaints and appeals will apply.

7.3 Admission and registration of students

All selected students will be sent an official admission letter from both the Coordinating and host institutions. The admission letter will indicate the university where the students will follow each semester based on the selection decision path.

The Consortium Coordinator will communicate to the partners the students that must be enrolled in the partner University. The Coordinating institution shall process all requests for modification of study tracks.

7.4 Alumni Association

The NuPhys Alumni Association has the responsibility to facilitate students in relation to material problems and to promote forms of coordination and activities. Information about the NuPhys Alumni Association will be published on the NuPhys website.

8. Quality assurance in the NuPhys programme

Quality assurance will be based on both internal and external assessment measures. External quality assurance will be guaranteed by arranging periodic global evaluations, under the responsibility of the Quality Committee. This evaluation will take place every third year of the programme and the Quality Committee may decide to involve extra members not regularly part of the Quality Committee.

Internal quality mechanisms: each semester of course is assessed by students about the work of teachers and learning opportunities. Each course is assessed by teachers, after the final examination, concerning the results achieved and objectives met. Feedback seminars will be held at the end of each semester with the participation of students, teachers and administration.

9. Dissemination of the programme

The Coordinator will organise the common dissemination efforts (through mails and Internet) but the partners will disseminate information for applicants through their own dissemination channels. All parties are responsible for creating local programme websites for the distribution of information.

10. Publicity

All institutions in the consortium shall agree to work together to deliver publicity for the programme.

10.1 Web-site

There shall be a single website for the programme. The Coordinating institution shall maintain this programme website and partner institutions will maintain links to that website from their own websites.

10.2 Prospectus entries

Each institution shall be responsible for making entries in its own prospectus and other publicity materials.

10.3 Use of crest and logos

If an institution wishes to include the crest, logo or other identifying mark of another institution in publicity materials, then this use must be approved in advance by the institution that owns the logo, crest or mark reused.

11. Reports

The contractors shall provide the Consortium Coordinator with any information and documents required for the preparation of progress report for Actions 1. The contractors shall contribute to the preparation of the Final Report by the date communicated by the Consortium Coordinator.

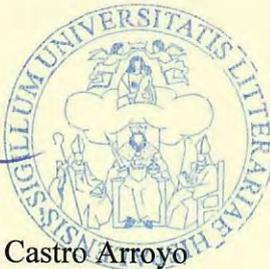
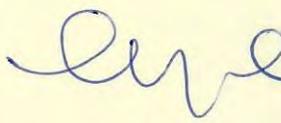
12. Sustainability

The contractors shall start actions to guarantee the sustainability of the Master course after finishing the funding by the Erasmus Programme.

COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

COUNTERPART SIGNATURE PAGE (*Universidad Autónoma de Madrid*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 2: Universidad Autónoma de Madrid

Authorised to sign on behalf of UAM-ES

By (signature):

Name: Prof. José María Sanz Martínez

Position: Rector

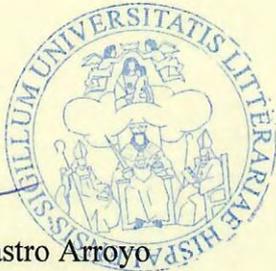
Date:

COUNTERPART SIGNATURE PAGE (*Universidad de Barcelona*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 3: Universidad de Barcelona

Authorised to sign on behalf of UB-ES

By (signature):

Name: Prof. Alex Aguilar Vila

Position: Deputy Rector

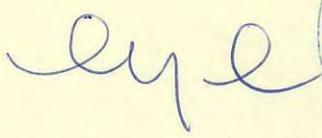
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COUNTERPART SIGNATURE PAGE (*Universidad Complutense de Madrid*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 4: Universidad Complutense de Madrid

Authorised to sign on behalf of UCM-ES

By (signature):

Name: Prof. Carlos Andradás Heranz

Position: Rector

Date:

COUNTERPART SIGNATURE PAGE (*Universidad de Salamanca*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 5: Universidad de Salamanca

Authorised to sign on behalf of USAL-ES

By (signature):

Name: Prof. María Ángeles Serrano García

Position: Deputy Rector

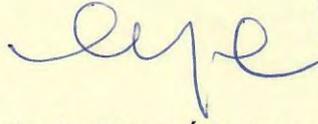
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COUNTERPART SIGNATURE PAGE (*Université de Caen Normandie*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 6: Université de Caen Normandie

Authorised to sign on behalf of UNICAEN-F

By (signature):

Name: Prof. Pierre Denise

Position: President

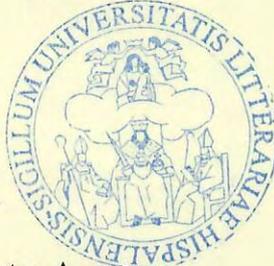
Date:

COUNTERPART SIGNATURE PAGE (*Università degli Studi di Catania*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 7: Università degli Studi di Catania

Authorised to sign on behalf of UniCT-I

By (signature):

Name: Prof. Francesco Basile

Position: Rector

Date:

COUNTERPART SIGNATURE PAGE (*Università degli Studi di Padova*)

PARTNER # 1 & COORDINATOR: Universidad de Sevilla

Authorised to sign on behalf of US-ES

By (signature):



Name: Prof. Miguel Ángel Castro Arroyo

Position: Rector Mgfco.

PARTNER # 8: Università degli Studi di Padova

Authorised to sign on behalf of UniPD-I

By (signature):

Name: Prof. Rosario Rizzuto

Position: Rector

Date:

ANNEX I: Programme

DESIGN AND STRUCTURE OF THE PROJECT

NuPhys is a 120 ECTS Erasmus Mundus Joint Master degree of 24 months' duration. The Master is structured for all students in 5 modules and divided into 4 terms (semesters). A common basis of fundamental knowledge is given to all students during the first semester. A progressive specialization is then acquired through the choice of one out of three different paths, corresponding to experimental/large accelerators (EXP), a theoretical (THEO), or applied/small accelerators (APP) focus.

The NuPhys Master program will start with an **orientation day** in each starting university at the same time so as to be all connected via a video conference. Coordinators of each Consortium university will welcome students and introduce the NuPhys program and the participating universities. This first step of networking among students provides the opportunity to exchange views, experiences, and plans with each other at a very early stage. Initial knowledge of students will be checked during the orientation day through a "Pilot Test" and online dedicated resources will be available for bridging possible gaps in order to assure the same starting point to all students.

1.1 Modules

Module 1: Basics nuclear physics and tools (24 ECTS)

Module 2: Advanced nuclear physics (48 ECTS), with three specialities (experimental, theory, applications)

Module 3: Common advanced course (winter course, 6 ECTS)

Module 4: Internship (12 ECTS)

Module 5: Master Thesis (30 ECTS)

The contents of the modules are briefly described below:

Module 1: (BAS) will be devoted to the basic knowledge required on general Physics, and Complementary/Interdisciplinary courses adapted to the chosen path (notably atomic, molecular and astrophysics). These courses will be concentrated in the first year, mainly in the first semester, and include topics as Advanced Quantum Mechanics, Structure of Matter, Basic Nuclear Physics: theory and laboratory, Advanced Mathematics, Advanced Statistical Mechanics, etc.

Module 2: Students can follow one of three paths offered: Experimental/large accelerators (EXP), Theoretical (THEO), or Applied/small accelerators (APP). This module will give the specialized focus of the Master curriculum towards fundamental or applied nuclear physics. Fundamental physics includes either an experimental or a theoretical focus. Applied physics is especially focused on biomedical applications, but also includes fundamentals in accelerators technology, archaeometry, monitoring of nuclear waste, and nuclear fusion plasma physics. The specialization is progressive, starting already in the first year and being finalized in the third semester. Topics include Nuclear Structure and Reactions, Nuclear Astrophysics, Weak and Strong Interactions, Collision Physics, Many Body Theory, Nuclear Physics Applications: Art, Materials, Nuclear Physics Applications: Radioprotection and Therapy, Metrology and Data Analysis, Experimental Nuclear Physics, Advanced Nuclear and Subnuclear Laboratory, and Accelerator Physics and advanced Instrumentation.

Module 3: (ADV): Selected topics with special invited lecturers to be held during two weeks in the third semester for all students in France. This common course will be programmed during two weeks at the end of S3. The choice of period and location is done to optimize the mobility scheme of the students (see below). Topics and lecturers will be selected every year for the next course in a co-organization with TALENT (6 ECTS).

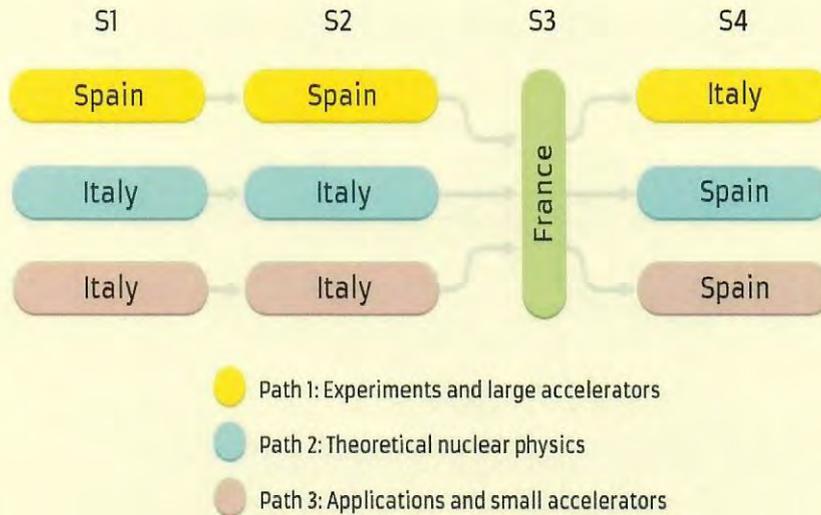
Module 4: (INTERNSHIP) will be done in the third semester. It is dedicated to student individual internship (either experimental, theoretical or applied topics are accepted), which will take place in different institutional or industrial research centres in Caen (France) (internships in other partner institution or in an associated centre in a third country according to the chosen path and desired specialization could be admitted under the advice of the Academic Committee). During the internships (S3) the students could define the project and initiate the work for the Master Thesis. Students will be supported by internal (Consortium) and external (Associated Members) tutoring. The internships are programmed by the Universities in advance, so as to provide a real working experience, valuable for future job placement. A “Practice Oriented Day” is organized with the participation of representatives of the hosting Institutions, tutors and representatives of the Consortium, at the beginning of the third term in Caen, so as to present the Internships programs, to share the discussion on the work topics, aims and methods with students, and to consolidate the Consortium network.

Module 5: (THESIS) will include the initial steps to write a short project of Master Thesis which has to be approved by the Master Academic Committee and the conduction of a research work in theoretical, experimental or applied Nuclear Physics with the direction of one or more advisors from one or more Universities (works with coordinate tutors from two partner Universities, or from one University and one associated industrial/host institution, will be programmed). This module includes the writing of the Master Thesis and the public defence of the achieved results. This defence will be at the host institution under the rules of it, but inclusion in the defence Committee of academics of other consortium institutions and/or associated partners is highly recommended. In case of failure, an extra opportunity will be given to the student in his/her host institution following the local rules for Master Thesis defence. In this case, the inclusion in the “Defence Committee” of an external member from other internal (Consortium) and external (Associated Members) institution is highly recommended too.

There will be three specialization paths:

- **PATH 1:** Experiments and Instrumentation in large accelerators. Students following this path (50% approx.) will start in Spain for S1 & S2, then go to France for S3 and finally will go to Italy (either UniPD-I or UniCT-I) for the Master Thesis in S4.
- **PATH 2:** Theoretical nuclear physics. Students within this path (25% approx.) will start in Italy (UniPD-I) for S1 & S2, then to France for S3 and, finally to Spain for the Master Thesis in S4.
- **PATH 3:** Applications and small accelerators. Students within this path (25% approx.) will start in Italy (Catania) for S1 & S2, then to France for S3 and, finally to Spain for the Master Thesis in S4.

The mobility scheme depending on the path selected is given in the following figure:



The general scheme ECTS distribution of the Course is presented in the following table, giving the number of credits associated to each module according to the mobility and specialization path:

PATH 1 - EXP: Large accelerators (~1/2 of the students*)

PATH 2 - THEO: Theoretical Nuclear Physics (~1/4 of the students*)

PATH 3 - APP: Small accelerators (~1/4 of the students*)

	MOD1	MOD2			MOD3	MOD4	MOD5
		EXP	THEO	APP			
PATH 1	24	24 or 12	12	12 or 24	6	12	30
PATH 2	24	12	36	0	6	12	30
PATH 3	24	12 or 24	12	24 or 12	6	12	30
Total	24	48			6	12	30

*) Experience coming from national Master degrees in previous years makes us to estimate that the number of students coming to path 1 will be around 50% of the total, while those selecting paths 2 and 3 will be around 25% in each itinerary.

The list of the courses offered in each University for semesters one, two and three each academic year is given in the table below for each path separately. Concerning semester 3, only 12 ECTS have to be obtained in regular courses, since 12 ECTS correspond to the internship and 6 ECTS are assigned to a common course (module 3, see below) which is compulsory for all students. Semester 4 is devoted to the preparation of the Master thesis in a host institution, research centre or company (MOD 5).

The courses listed below should be understood for the first edition of the Master, some courses of the specific paths may be replaced in future editions by other courses under the approval by the Academic Committee of the Consortium.

MODULE 1 - basic nuclear physics and tools	MODULE 2 - advanced nuclear physics (EXP)	MODULE 2 - advanced nuclear physics (THEO)	MODULE 2 - advanced nuclear physics (APP)	MODULE 3- Common Advanced Course	MODULE 4 – Internship	MODULE 5 – Master Thesis
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PATH 1: Experiments, instrumentation and large accelerators (1/2 of the students)

Spain S1	Basic Experimental Nuclear Physics (6)	Quantum Mechanics (6)	Atomic and Molecular Physics (6)	Advanced Experimental Techniques in Nuclear Physics (6)	Applied Nuclear Physics I (6)
Spain S2*	Nuclear Structure: properties and models (6)	Applied Nuclear Physics II (6)	Introduction to Nuclear Reactions (6)	Many-body Theories in Nuclear Physics (6)	Nuclear Astrophysics (6)
France S3	Research Internship + Thesis project (12)	Common Advanced course (6)	Choice between		
			Metrology and data analysis (6) + exp.nucl.phys.+accelerators (6)		
			Applications for therapy (12)		
Italy S4	Master thesis on experimental nuclear physics, instrumentation large accelerators (30)				

*Lectures on subjects in S2 will be concentrated in one intensive teaching week for each topic in different Universities. List of dates and places for each course will be given in advance.

PATH 2: Theoretical nuclear physics (1/4 of the students)

UniPD-I S1	Theoretical Physics (6)	Theoretical Physics of Fundamental Interactions(6)	Nuclear Physics (6)	Physics Laboratory (6)	Radioactivity and Nuclear Measurements (6)
UniPD-I S2	Subnuclear Physics (6)	Introduction to Many-Body Theory (6)	Introduction to radiation detectors (5) + Introduction to the world of work (1)	Nuclear Astrophysics (6)	Advanced Physics Laboratory A (6)
France S3	Research Internship + Thesis project (12)	Common Advanced course (6)	Choice between		
			Theoretical nuclear, atomic and collision physics (12) (Strongly recommended for this path)		
			Metrology and data analysis (6) + exp.nucl.phys.+accelerators (6)		
Spain S4	Master thesis on theoretical nuclear physics (30)				

PATH 3: Applications and small accelerators (1/4 of the students)

Catania S1	Meccanica Quantistica Avanzata (Advanced Quantum Mechanics)(6)	Tecniche Nucleari Avanzate applicate alla Medicina/ Radiattività Ambientale (Advanced Nuclear Techniques Applied to Medicine/ Environmental Radioactivity) (6)	Meccanica Statistica Avanzata (Advanced Statistical Mechanics) (6)	Lab. Fisica Nucleare e Subnucleare (Nuclear & Subnuclear Physics Lab.) (6)	Fisica Nucleare e subnucleare (Nuclear and Subnuclear Physics) (6) or Struttura Nucleare (Nuclear Structure) (6)
Catania S2	Teoria delle reazioni nucleari (Nuclear Reaction Theory) (6)	Teoria delle Interazioni Forti (Theory of the Strong Interaction) (6)	Astrofisica nucleare (Nuclear Astrophysics) (6)	Metodi Sperimentali per la Fisica Nucleare/Laboratori o di Fisica dell'Ambiente (Experimental Nuclear Physics / Environmental Physics Lab) (6)	Archeometria / Fisica degli Acceleratori e Applicazioni (Archeometry / Accelerator Physics and Applications) (6)
France S3	Research Internship + Thesis project (12)	Common Advanced course (6)	Choice between Metrology and data analysis (6) + exp.nucl.phys.+accelerators (6) Applications for therapy (12)		
Spain S4	Master thesis on applications and small accelerators (30)				

All Courses will be taught in English and the students will be provided with the appropriate academic material in English.

It is important to note that in addition to the participant Universities, the associated Labs and Companies can be the hosts for internship and Master Thesis development. In particular, the following associated research centres could be the host for students: CERN (Geneva, Switzerland), the National Laboratory at Legnaro (Padova, Italy), National Laboratory del Sud (Catania, Italy), National Accelerator at GANIL (Caen, France), GSI Accelerators (Darmstadt, Germany), National Centre Accelerator (Seville, Spain), Accelerator Centre at Madrid (Madrid, Spain), CSIC (IEM, Madrid and IFIC, Valencia), and CIEMAT (Madrid, Spain).

Finally, it is worth mentioning that regular opportunities (meetings of the Academic Committee, Quality Committee, summer course, etc.) will be scheduled to critically and constructively identify where the content and the coherence of the study programme, the learning outcomes, or any other aspect of the EMJMD, can be improved. The inclusion of students and industry/research facilities associated partners in the Quality Committee will facilitate to accommodate the EMJMD to new academic/industry needs, if necessary.

ANNEX II: Budget

BUDGET OF THE ACTION ERASMUS MUNDUS JOINT MASTER DEGREE IN NUCLEAR PHYSICS

The given quantities are for 3 editions of the Master

TOTAL EU GRANT	1891000 Euros
Scholarships	1721000 Euros
Consortium lump sum	170000 Euros

Total scholarship number and distribution

Type	Number of scholarships	Fees	Travel & Installation	Subsistence	TOTAL/ scholarship	TOTAL
Programme Country (1)	11	6000	2000	24000	32000	352000
Partner country (2)	34	6000	7000	24000	37000	1258000
Latin-America	3	6000	7000	24000	37000	111000
TOTAL Scholarships	48					1721000

Scholarship distribution per edition as sent by the EACEA

	2017/2019	2018/2020	2019/2021
Programme country (1)	3	4	4
Partner country (2)	11	11	12
Latin-America	1	1	1
TOTAL	15	16	17

We can change the distribution, so as having 16 scholarships for every edition.

(1). Programme Country students: Students from any of the 28 EU Member States, EEA-EFTA States (Iceland, Liechtenstein & Norway), Turkey and The Former Yugoslav Republic of Macedonia (FYROM).

(2). Partner Country students: Students from a country other than (1) and who are not residents nor have carried out their main activity (studies, work, etc.) for more than a total of 12 months over the last five years in one of these countries.

All numbers done below are for 16 Erasmus Mundus granted students per intake. The Consortium will agree on the distribution of the fees of the self-financed students.

Preparation year 2016/2017

Income: 20000 Euros lump sum

Devoted to:

1. WEB page design: 3000 Euros
2. Partial time contract (50%) administration + web maintenance + social networks + communications with applicants: 12627,27 Euros
3. Travel and living expenses of two Consortium persons to the initial meeting in Brussels (F. Gulminelli (Caen) and J.M. Arias (Seville)) November 17-18: approx. 1000 Euros

There are still approx. 3500 euros for a meeting of the Consortium previous to the starting date for the Master (selection and/or academic committee).

First Edition 2017/2018

Income: 50000 Euros lump sum + 96000 Euros inscriptions of scholarship students (16 x 6000 Euros). In principle there could be 9 students more with no UE scholarship (self-financed or with grants from other institutions including Universities). The corresponding amounts are not computed here and have to be distributed after the enrolment. TOTAL from Erasmus: 146000 Euros.

Distribution of Fees

The fee, 3000 Euros/year, means 3000 Euros /60 ECTS = 50 Euros/ECTs. The fees (96000 Euros) will be distributed among the partners, giving to each responsible unit 38 Euros per ECTS lectured times the number of students enrolled. In the case of the University of Caen, a part of this amount corresponding to the specific local inscription fees of the scholarship holders, will be directly given to the students upon arrival such that they can follow the local requirement for enrolment in Master studies. This amount will be correspondingly subtracted from the fee transferred to the Caen University. In the first calculation the ECTS corresponding to the Master Thesis will be included on average since at this moment we do not know the places selected by the students. The amount 1140 euros/Master will be assigned on the average basis; in a second round deviations will be corrected.

The rest of the fee, 12 Euro x 120 ECTS x 16 students = 23040 euros will be devoted to activities linked with the Master Course with the following distribution:

- Medical insurance for the 16 students covering all European countries (approx. 500 euros/ (year x student) = 1000 euros/ edition student) = 16000 Euros (this should be included in the student fee following the EACEA rules).

In addition the following items will be managed by the coordinating institution:

- University Seville for administrative tasks as Coordinator (approx. 4.8% of 146000) = 7040 Euros).

Distribution of the lump sum:

The lump sum, 50000 Euros, will be managed by the coordinating institution for the following items

1. Welcome day in US-ES in S1 (8 students) = 1200 Euros
2. Welcome day in UniCT-I in S1 (4 students) = 600 Euros
3. Welcome day in UniPD-I in S1 (4 students) = 600 Euros
4. Welcome day in UNICAEN-F in S3 (16 students) = 2400 Euros

These amounts (total 4800 Euros) will be transferred to the corresponding University and is its responsibility organizing the corresponding welcome days.

5. NuPhys Administrative assistant contract = 12800 Euros
6. Organization of the winter school (2 weeks) in coordination with TALENT for all students. This includes travelling and living expenses for at least 4 invited lecturers and at least 8 weeks of stay (AECEA norms).

TOTAL SCHOOL = 14400 Euros (- 3648 coming from the corresponding fees to these 6 ECTS activity) = 10752 Euros

7. Internship defence (travel and living expenses for the defence Committee: 4 representatives of the Consortium for one week) = 6200 Euros
8. One Consortium Committee meeting = 7600 Euros
9. Report on the NuPhys JMD Edition = 1500 Euros
10. There are 6348 Euros left for extra activities decided by the Consortium (end of course ceremony, extra meetings, etc.)

TOTAL AMOUNT COVERS THE LUMP SUM FOR THE FIRST EDITION: 50000 Euros

Expected distribution of students with EU scholarship among the three paths

	Path 1 (8 students)	Path 2 (4 students)	Path 3 (4 students)
S1	Seville (30 ECTs)	UniPD-I (30 ECTs)	Catania (30 ECTs)
S2	Any Spanish Univ (30 ECTs)	UniPD-I (30 ECTs)	Catania (30 ECTs)
S3	Caen (30 ECTs)	Caen (30 ECTs)	Caen (30 ECTs)
S4	UniPD-I (4 students)- Catania (4 students)	4 students to be distributed among the Spanish Univ.	4 students to be distributed among the Spanish Univ.

ECTs lectured in each institution:

	S1 + S2	S3	S4 (Thesis)
US-ES	36 ECTs x 8 students	----	30 ECTs x 3 student
UniPD-I	60 ECTs x 4 students	----	30 ECTs x 4 students
Catania	60 ECTs x 4 students	----	30 ECTs x 4 students
Caen	----	24 ECTs x 16 students	----
WINTER SCHOOL		6 ECTs x 16 students	
UAM-ES	6 ECTs x 8 students	----	30 ECTs x 1 student
Barcelona	6 ECTs x 8 students	----	30 ECTs x 1 student
UCM-ES	6 ECTs x 8 students	----	30 ECTs x 2 student
Salamanca	6 ECTs x 8 students	----	30 ECTs x 1 student

AMOUNT ALLOCATED TO EACH INSTITUTION FOR THE FIRST EDITION

	Enrolment	Master Thesis	Welcome	TOTAL AMOUNT/1st intake
US-ES	10944	3420	1200	15564
UniPD-I	9120	4560	600	14280
Catania	9120	4560	600	14280
Caen	14592*	0	2400	16992*
UAM-ES	1824	1140	0	2964
Barcelona	1824	1140	0	2964
UCM-ES	1824	2280	0	4104
Salamanca	1824	1140	0	2964
School	3648 (already taken out from the School organization, see item 6 in distribution of lump sum)	0	0	3648
TOTAL	54720	18240	4800	
		72960	4800	77760

* As mentioned in the text, part of this amount corresponding to the specific local inscription fees of the scholarship holders, will be directly given to the students upon arrival such that they can follow the local requirement for enrolment in Master studies. This amount will be correspondingly subtracted from the amount cited here to be transferred to the Caen University.

The amount allocated to each University can be used for waiving (total or partially) of the enrolment fee for those students not having UE fellowship.



Education, Audiovisual and Culture Executive Agency

Erasmus+: Higher Education – Erasmus Mundus Joint Master Degrees

UNIVERSIDAD DE SEVILLA
Miguel Ángel Castro Arroyo
CALLE S. FERNANDO 4,
ES - 41004 SEVILLA

Brussels, 11 08, 2016

Subject: Grant Agreement nr 2016 - 2070 / 001 - 001 - EMJMD
(please quote the reference number in ALL correspondence : failure to do so may result in your correspondence not being processed)

ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS

Dear Miguel Ángel Castro Arroyo,

Attached you will find the scanned version of the Grant Agreement (GA) for your project. The documents include all annexes.

If you agree with the terms of this GA and its annexes, I ask you to **print out 2 full copies of the agreement and its annexes**. Please do not bind or staple the copies.

These should then be signed by the **legal representative** and the 2 complete sets of grant agreements should be returned as soon as possible by registered mail or courier service to:

Unit A3 – Erasmus+: Higher Education – Erasmus Mundus Joint Master Degrees
Executive Agency Education, Audiovisual and Culture
BOUR 02/029
Avenue du Bourget, 1
BE-1049 Brussels
Belgium

Please note that if you discover any errors in the grant agreement or have a question, you must contact the Agency immediately (email address: eacea-EM-consortia@ec.europa.eu) quoting the reference number of your grant agreement. **You should NOT make any marks or changes on any part of the grant agreement** as this may invalidate the Specific Grant Agreement.

Furthermore, in the event that you do not return two signed copies of the Specific Grant Agreement **within 30 calendar days** after receipt of this letter, the Agency may no longer be in a position to accept and countersign the above mentioned Specific Grant Agreement.

Yours sincerely,



Klaus HAUPT
Head of Unit

Enclosure: 1



Education, Audiovisual and Culture Executive Agency

Erasmus+: Higher Education – Erasmus Mundus Joint Master Degrees

GRANT AGREEMENT FOR AN ACTION WITH MULTIPLE BENEFICIARIES

ERASMUS MUNDUS JOINT MASTER DEGREES (EMJMD)

Financing exclusively by lump sum and/or unit costs contribution(s)

AGREEMENT NUMBER – 2016 - 2070 / 001 - 001

PROJECT NUMBER – 574488-EPP-1-2016-1-ES-EPPKA1-JMD-MOB

The **Education, Audiovisual and Culture Executive Agency** (hereinafter referred to as “the Agency”), acting under powers delegated by the European Commission (hereinafter referred to as “the Commission”) represented for the purposes of signature of this Agreement by Mr Klaus HAUPT, Head of Unit for Erasmus+: Higher Education – Erasmus Mundus Joint Master Degrees,

on the one part,

and

UNIVERSIDAD DE SEVILLA

**CALLE S. FERNANDO 4,
ES - 41004 SEVILLA**

hereinafter referred to as “the coordinator”, represented for the purposes of signature of this Agreement by **Miguel Ángel Castro Arroyo**

and the other beneficiaries listed in Annex IV

duly represented by the coordinator by virtue of the mandates included in Annex IV for the signature of this Agreement, hereinafter referred to collectively as “the beneficiaries”, and individually as “beneficiary” for the purposes of this Agreement where a provision applies without distinction between the coordinator or another beneficiary,

on the other part,

Whereas the Commission has taken the decisions n° C(2013) 8550 of 04/12/2013 and n° C(2014) 6158 of 03/09/2014 authorising the use of lump sum and reimbursement on the basis of unit costs to cover one or more different categories of eligible costs under the Erasmus+ Programme - Key Action 1: Erasmus Mundus Joint Master Degrees.

HAVE AGREED

to the Special Conditions (hereinafter referred to as "the Special Conditions") and the following Annexes:

- Annex I Description of the action
- Annex II General Conditions (hereinafter referred to as "the General Conditions")
- Annex III Estimated budget of the action
- Annex IV List of beneficiaries and mandates provided to the coordinator by the other beneficiaries
- Annex V Model technical report
- Annex VI Model financial statement
- Annex VII Model terms of reference for the certificate on the financial statements and underlying accounts: not applicable
- Annex VIII Model terms of reference for the operational verification report: not applicable
- Annex IX Minimum requirements for the Health and Accident Insurance coverage of EMJMD students
- Annex X Minimum requirements and recommendations for student selection & scholarship management

which form an integral part of this Agreement, hereinafter referred to as "the Agreement".

The terms set out in the Special Conditions shall take precedence over those set out in the Annexes.

The terms of Annex II "General Conditions" shall take precedence over the other Annexes.

SPECIAL CONDITIONS

ARTICLE I.1 - SUBJECT MATTER OF THE AGREEMENT

A European Union grant is awarded, under the terms and conditions set out in the Special Conditions, the General Conditions and the other Annexes to the Agreement, for the action entitled **ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS** ("the action") as described in Annex I.

With the signature of the Agreement, the beneficiaries accept the grant and agree to implement the action, acting on their own responsibility.

ARTICLE I.2 - ENTRY INTO FORCE OF THE AGREEMENT AND DURATION OF THE ACTION

I.2.1 The Agreement shall enter into force on the date on which the last party signs.

I.2.2 The action shall run for **60 months** as of **31-10-2016** ("the starting date of the action") and shall end on **30-10-2021**.

ARTICLE I.3 - MAXIMUM AMOUNT AND FORM OF THE GRANT

The grant shall be of a **maximum amount of EUR 1.891.000,00** and shall take the form of:

- (a)** Reimbursement of eligible costs: not applicable.
- (b)** A unit contribution ("unit contribution") to cover the following categories of eligible costs related to the EMJMD students scholarships, as indicated in the Erasmus+ Programme Guide:
 - participation costs
 - travel and installation costs
 - subsistence costs
- (c)** A lump sum contribution of maximum EUR 170.000 ("lump sum contribution") to cover the following categories of eligible costs:
 - contribution to the EMJMD consortium management costs for the preparatory year financed by a lump sum amount of EUR 20.000
 - contribution to the EMJMD consortium management costs and costs for invited scholars and guest lecturers financed by a lump sum amount of EUR 50.000 per intake of the EMJMD for a total of three intakes. A reduction of EUR 1.950 will be applied for each scholar week not duly carried out and/or not reported.
- (d)** Flat-rate contribution: not applicable

ARTICLE I.4 - ADDITIONAL PROVISIONS ON REPORTING, PAYMENTS AND PAYMENT ARRANGEMENTS

I.4.1 Reporting periods, payments and additional supporting documents

In addition to the provisions set out in Articles II.23 and II.24, the following reporting and payment arrangements shall apply:

- Upon entry into force of the Agreement, a pre-financing payment of 25% of the maximum amount specified in Article I.3 shall be paid to the coordinator.

Further pre-financing payments:

- A second pre-financing payment of 50% of the maximum amount specified in Article I.3 shall be paid to the coordinator, subject to having used at least 70% of the previous pre-financing instalment paid, and to the receipt of a progress report on the implementation of the action ("technical report on progress"), and a statement on the amount of the previous pre-financing instalment used to cover costs of the action ("statement on the use of the previous pre-financing instalment"), drawn up in accordance with Annexes V and VI, including an extract from the EACEA mobility tool in order for the Agency to check the level of consumption of the first instalment;
- A third pre-financing payment of 25% of the maximum amount specified in Article I.3 shall be paid to the coordinator, subject to having used at least 70% of the previous pre-financing instalments paid, and to the receipt of a progress report on the implementation of the action ("technical report on progress"), and a statement on the amount of the previous pre-financing instalment used to cover costs of the action ("statement on the use of the previous pre-financing instalment"), drawn up in accordance with Annexes V and VI, including an extract from the EACEA mobility tool in order for the Agency to check the level of consumption of the previous instalments;
- Should preceding pre-financing instalments not be executed in full, a further pre-financing (fourth pre-financing) shall be requested by the coordinator in order to reach the maximum amount of pre-financings. A fourth pre-financing request (accompanied by the forms specified in Annexes V and VI) should be submitted no later than one year before the end of the period set out in Article I.2.2.

Payment of the balance:

- Sole reporting period from the starting date of the action to the end of the period set out in Article I.2.2: The balance shall be paid to the coordinator, subject to the receipt of the final report accompanied by a summary financial statement, drawn up in accordance with Annex V and VI.

Reporting arrangements:

The documents referred to in Annexes V and VI must be submitted by the following months:

- 1) a technical report by 31.10.2017;

- 2) a **second pre-financing request** (accompanied by the forms specified in Annexes V and VI) by **30.09.2018**;
- 3) a **third pre-financing request** (accompanied by the forms specified in Annexes V and VI) **no later than 28.02.2020**;
- 4) a **final report** covering the whole duration of the action, accompanied by a summary financial statement (forms to use specified in Annexes V and VI) must be submitted **no later than 60 calendar days after the end date** of the action set out in Article 1.2.

1.4.2 Time limit for payments

The time limit for the Agency to make further pre-financing payments and payment of the balance is 60 days.

1.4.3 Language of requests for payments, technical reports and financial statements

All requests for payments, technical reports and financial statements shall be submitted in English, French or German.

ARTICLE 1.5 - BANK ACCOUNT FOR PAYMENTS

All payments shall be made to the coordinator's bank account, denominated in euro, as indicated below:

Name of bank: **BANCO SANTANDER CENTRAL HISPANO, S.A.**

Address of branch: **3, AV. DE LA CONSTITUCION,**

ES - SEVILLA

Precise denomination of the account holder: **UNIVERSIDAD DE SEVILLA**

Full account number (including bank codes): **IBAN _ONL Y**

IBAN code: **ES6000492588712114197826**

ARTICLE 1.6 - DATA CONTROLLER AND COMMUNICATION DETAILS OF THE PARTIES

1.6.1 Data controller

The entity acting as a data controller according to Article 11.6 shall be the Director of the Agency.

1.6.2 Communication details of the Agency

Any communication addressed to the Agency shall be sent to the following address:

Education, Audiovisual and Culture Executive Agency
Mr Klaus HAUPT
Unit A3 – Erasmus+: Higher Education – Erasmus Mundus Joint Master Degrees
BOUR 02/029
Avenue du Bourget, 1
1049 Brussels
BELGIUM
E-mail address: EACEA-EM-Consortia@ec.europa.eu

1.6.3 Communication details of the beneficiaries

Any communication from the Agency to the beneficiaries shall be sent to the following address:

José Miguel Arias Carrasco
UNIVERSIDAD DE SEVILLA
Avenida Reina Mercedes s/n,
41012 Sevilla

ARTICLE 1.7 - ADDITIONAL PROVISIONS ON USE OF THE RESULTS (INCLUDING INTELLECTUAL AND INDUSTRIAL PROPERTY RIGHTS)

For the purposes of Article 11.8.1 the beneficiaries agree that the right of the Agency and of the Commission to make free use of the results of the action shall include the rights to publish and to reproduce the final report on implementation of the action ("final report") referred to in Article 1.4.1, provided it does not result in a breach of confidentiality obligations.

In addition to the provisions of Article 11.8.3, the beneficiaries shall warrant that the Agency and/or the European Union (hereinafter referred to as "the Union") has the rights to:

- (a) communicate the results of the action by any other types of communication not specified in the General Conditions;
- (b) edit or re-write in another way the results of the action, including shortening, summarising, modifying the content, correcting technical errors in the content;
- (c) cut, insert meta-data, legends or other graphic, visual, audio or word elements in the results of the action;
- (d) extract a part (e.g. audio or video files) of, divide into parts or compile the results of the action;
- (e) prepare derivative works of the results of the action;
- (f) translate, insert subtitles in, dub the results of the action in all official languages of EU;
- (g) authorise or sub-licence the modes of exploitation set out above to third parties.

The Agency and/or the Union shall have the rights of use specified in the General Conditions and set out above for the whole duration of the industrial or intellectual property rights concerned.

ARTICLE I.8 - SETTLEMENT OF DISPUTES WITH NON EU BENEFICIARIES

By way of derogation from Article II.18.2, where a beneficiary is legally established in a country other than a Member State of the European Union (the 'non EU beneficiary'), the Agency and/or the Union and/or the non EU beneficiary may bring before the Courts of Brussels any dispute between the Agency and/or the Union and the non EU beneficiary concerning the interpretation, application or validity of the Agreement, if such dispute cannot be settled amicably. In such case where one party (i.e. the Agency, the Union or the non EU beneficiary) has brought proceedings before the Courts of Brussels concerning the interpretation, application or validity of the Agreement, the other party may not bring a claim arising from the interpretation, application or validity of the Agreement in any other court than the Courts of Brussels already seized.

ARTICLE I.9 - OTHER SPECIAL CONDITIONS

ARTICLE I.9.1 - MINIMUM INSURANCE REQUIREMENTS

The beneficiaries shall provide a health and accident insurance scheme that guarantees adequate coverage in accordance with Annex IX.

ARTICLE I.9.2 - MINIMUM STUDENT SELECTION & SCHOLARSHIP MANAGEMENT REQUIREMENTS

The beneficiaries shall adhere to the minimum requirements and recommendations for students' selection and scholarship management provided in Annex X.

ARTICLE I.9.3 - PARTICIPATION IN MEETINGS ORGANISED BY THE AGENCY

Representatives of the beneficiaries are expected to participate in meetings organised by the Agency, i.e. indicatively up to two meetings per year. The expenses for participation are eligible costs and are covered by the project budget under "lump sum contribution to the management costs".

ARTICLE I.9.4 - DISSEMINATION AND EXPLOITATION OF RESULTS

I.9.4.1 - Dissemination

Beneficiaries of grants under the Erasmus+ Programme have the duty to ensure that the work undertaken within the framework of this grant agreement and the results accruing from it receive substantial visibility. The co-ordinator must pay specific attention to the importance of dissemination, exploitation of results of the action and to their visibility at a transnational level. In this respect, the co-ordinator must:

- create and maintain (at least during the project lifetime) a website for the action. The website must be kept up-to-date with at least: a description of the project, the contact details of the co-ordinator, the list of beneficiaries, mention of the European Union's financial support with the relevant logo (see Article I.9.4.2), and access to the principal results, as and when they become available.
- update the project summary in accordance with the instructions provided in Annex V.
- provide during the project lifetime the Agency and/or the Commission with the information requested in order to promote the Erasmus+ Programme and disseminate the results. This may include answering questionnaires and entering data into databases.
- use the Erasmus+ Project Results Platform, on the website <http://ec.europa.eu/programmes/erasmus-plus/projects/> to disseminate and exploit project results and deliverables in accordance with the instructions provided therein. The approval of the final report will be subject to the upload of the project results/deliverables on the aforementioned platform by the time of its submission.

I.9.4.2 - Publicity Obligations

For the purpose of Article II.7 of the grant agreement, relating to the publicity and use of the relevant logo, the beneficiaries must follow the instructions available on the following website: https://eacea.ec.europa.eu/about-eacea/visual-identity_en

The beneficiaries must inform the public, press and media of the action (internet included), which must, in conformity with Article II.7 mentioned above, visibly indicate "with the support of the Erasmus+ Programme of the European Union" as well as the graphic logos.

Where the action, or part of the action, is a publication, the mention and graphic logos must appear on the cover or the first pages following the editor's mention.

If the action includes events for the public, signs and posters related to this action must be displayed. This must include the logos mentioned under paragraph 1. Authorisation to use the logos described in paragraph 1 implies no right of exclusive use and is limited to this agreement.

ARTICLE I.9.5 - FINANCIAL PENALTIES

I.9.5.1 - Penalties in case of non-compliance with publicity provisions

The obligation to comply with the publicity provisions set out in Article II.7 constitutes a substantial obligation. Without prejudice to the right to terminate the grant, in case of failure to fulfil this obligation, the Agency may apply a 20% reduction of the grant initially provided for.

I.9.5.2 - Penalties in case of poor, partial, or late implementation

In order to determine the final EU grant, the Agency will analyse and rate the final report on a scale of maximum 100 points. The score given will reflect the project overall performance. With reference to Article II.25.4, in case of poor, partial or late implementation, the reduction of the grant initially provided for will be as follows:

- 25% if the project scores at least 40 points and below 50 points;
- 35% if the project scores at least 30 points and below 40 points;

- 55% if the project scores at least 20 points and below 30 points;
- 75% if the project scores below 20 points.

ARTICLE I.9.6 - INAPPLICABILITY OF THE NO-PROFIT PRINCIPLE

By way of derogation from Article II.25.3, the no-profit principle does not apply to the action.

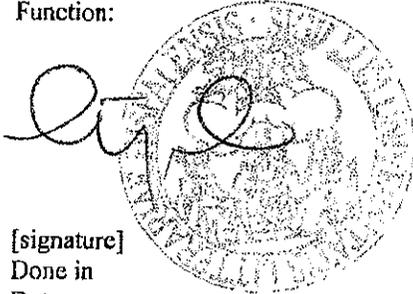
ARTICLE I.9.7 - SPECIAL PROVISIONS ON THE CONVERSION OF COSTS INCURRED IN ANOTHER CURRENCY INTO EURO

By way of derogation from Article II.23.4, any conversion into euro of costs incurred in other currencies shall be made by the beneficiaries at the monthly accounting rate established by the Commission and published on its website

http://ec.europa.eu/budget/contracts_grants/info_contracts/inforeuro/inforeuro_en.cfm

SIGNATURES

For the coordinator
Miguel Ángel Castro Arroyo,
Function:



[signature]
Done in
Date:

For the Agency
Klaus HAUPT
Head of Unit

[signature]
Done in Brussels
Date:

In duplicate in English

ANNEX 1

DESCRIPTION OF THE ACTION

The grant awarded aims at implementing the activities as they are described in the application form submitted by:

UNIVERSIDAD DE SEVILLA

for the action entitled:

ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS

and registered by the Agency under the reference:

574488-EPP-1-2016-1-ES-EPPKA1-JMD-MOB

ANNEX II

GENERAL CONDITIONS

ANNEX II

GENERAL CONDITIONS

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PART A – LEGAL AND ADMINISTRATIVE PROVISIONS

ARTICLE II.1 – GENERAL OBLIGATIONS AND ROLES OF THE BENEFICIARIES

II.1.1 General obligations and role of the beneficiaries

The beneficiaries shall:

- (a) be jointly and severally responsible for carrying out the action in accordance with the terms and conditions of the Agreement;
- (b) be responsible for complying with any legal obligations incumbent on them jointly or individually;
- (c) make appropriate internal arrangements for the proper implementation of the action, consistent with the provisions of this Agreement; where provided for in the Special Conditions, those arrangements shall take the form of an internal co-operation agreement between the beneficiaries.

II.1.2 General obligations and role of each beneficiary

Each beneficiary shall:

- (a) inform the coordinator immediately of any change likely to affect or delay the implementation of the action of which the beneficiary is aware;
- (b) inform the coordinator immediately of any change in its legal, financial, technical, organisational or ownership situation or of its affiliated entities and of any change in its name, address or legal representative or of its affiliated entities;
- (c) submit in due time to the coordinator:
 - (i) the data needed to draw up the reports, financial statements and other documents provided for in the Agreement;
 - (ii) all the necessary documents in the event of audits, checks or evaluation in accordance with Article II.27;
 - (iii) any other information to be provided to the Agency according to the Agreement, except where the Agreement requires that such information is submitted directly by the beneficiary to the Agency.

II.1.3 General obligations and role of the coordinator

The coordinator shall:

- (a) monitor that the action is implemented in accordance with the Agreement;
- (b) be the intermediary for all communications between the beneficiaries and the Agency, except where provided otherwise in the Agreement, and, in particular, the coordinator shall:
 - (i) immediately provide the Agency with the information related to any change in the name, address, legal representative as well as in the legal, financial, technical, organisational or ownership situation of any of the beneficiaries or of its affiliated entities or to any event likely to affect or delay the implementation of the action, of which the coordinator is aware;

- (ii) bear responsibility for supplying all documents and information to the Agency which may be required under the Agreement, except where provided otherwise in the Agreement; where information is required from the other beneficiaries, the coordinator shall bear responsibility for obtaining and verifying this information before passing it on to the Agency;
- (c) make the appropriate arrangements for providing any financial guarantees required under the Agreement;
- (d) establish the requests for payment in accordance with the Agreement;
- (e) where it is designated as the sole recipient of payments on behalf of all of the beneficiaries, ensure that all the appropriate payments are made to the other beneficiaries without unjustified delay;
- (f) bear responsibility for providing all the necessary documents in the event of checks and audits initiated before the payment of the balance, and in the event of evaluation in accordance with Article II.27;
- (g) transfer to the beneficiaries, without delay, any document relating to the action or the grant.

The coordinator shall not subcontract any part of its tasks to the other beneficiaries or to any other party.

ARTICLE II.2 – COMMUNICATIONS BETWEEN THE PARTIES

II.2.1 Form and means of communications

Any communication relating to the Agreement or to its implementation shall be made in writing (in paper or electronic form), shall bear the number of the Agreement and shall be made using the communication details identified in Article I.6.

Electronic communications shall be confirmed by an original signed paper version of that communication if requested by any of the parties provided that this request is submitted without unjustified delay. The sender shall send the original signed paper version without unjustified delay.

Formal notifications shall be made by registered mail with return receipt or equivalent, or by equivalent electronic means.

II.2.2 Date of communications

Any communication is deemed to have been made when it is received by the receiving party, unless the agreement refers to the date when the communication was sent.

Electronic communication is deemed to have been received by the receiving party on the day of successful dispatch of that communication, provided that it is sent to the addressees listed in Article I.6. Dispatch shall be deemed unsuccessful if the sending party receives a message of non-delivery. In this case, the sending party shall immediately send again such communication to any of the other addresses listed in Article I.6. In case of unsuccessful dispatch, the sending party shall not be held in breach of its obligation to send such communication within a specified deadline.

Mail sent to the Agency using the postal services is considered to have been received by the Agency on the date on which it is registered by the department identified in Article I.6.2.

Formal notifications made by registered mail with return receipt or equivalent, or by equivalent electronic means, shall be considered to have been received by the receiving party on the date of receipt indicated on the return receipt or equivalent.

ARTICLE II.3 – LIABILITY FOR DAMAGES

- II.3.1** The Agency shall not be held liable for any damage caused or sustained by any of the beneficiaries, including any damage caused to third parties as a consequence of or during the implementation of the action.
- II.3.2** Except in cases of force majeure, the beneficiaries shall compensate the Agency for any damage sustained by it as a result of the implementation of the action or because the action was not implemented or implemented poorly, partially or late.

ARTICLE II.4 - CONFLICT OF INTERESTS

- II.4.1** The beneficiaries shall take all necessary measures to prevent any situation where the impartial and objective implementation of the Agreement is compromised for reasons involving economic interest, political or national affinity, family or emotional ties or any other shared interest (“conflict of interests”).
- II.4.2** Any situation constituting or likely to lead to a conflict of interests during the implementation of the Agreement shall be notified to the Agency, in writing, without delay. The beneficiaries shall immediately take all the necessary steps to rectify this situation. The Agency reserves the right to verify that the measures taken are appropriate and may require additional measures to be taken within a specified deadline.

ARTICLE II.5 – CONFIDENTIALITY

- II.5.1** The Agency and the beneficiaries shall preserve the confidentiality of any information and documents, in any form, which are disclosed in writing or orally in relation to the implementation of the Agreement and which are explicitly indicated in writing as confidential.
- II.5.2** The beneficiaries shall not use confidential information and documents for any reason other than fulfilling their obligations under the Agreement, unless otherwise agreed with the Agency in writing.
- II.5.3** The Agency and the beneficiaries shall be bound by the obligations referred to in Articles II.5.1 and II.5.2 during the implementation of the Agreement and for a period of five years starting from the payment of the balance, unless:
- (a) the party concerned agrees to release the other party from the confidentiality obligations earlier;
 - (b) the confidential information becomes public through other means than in breach of the confidentiality obligation through disclosure by the party bound by that obligation;
 - (c) the disclosure of the confidential information is required by law.

ARTICLE II.6 – PROCESSING OF PERSONAL DATA

II.6.1 Processing of personal data by the Agency

Any personal data included in the Agreement shall be processed by the Agency pursuant to Regulation (EC) No 45/2001 of the European Parliament and of the Council of 18 December 2000 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data.

Such data shall be processed by the data controller identified in Article I.6.1 solely for the purposes of the implementation, management and monitoring of the Agreement, without prejudice to possible transmission to the bodies charged with the monitoring or inspection tasks in application of Union law.

The beneficiaries shall have the right of access to their personal data and the right to rectify any such data. Should the beneficiaries have any queries concerning the processing of their personal data, they shall address them to the data controller, identified in Article I.6.1.

The beneficiaries shall have the right of recourse at any time to the European Data Protection Supervisor.

II.6.2 Processing of personal data by the beneficiaries

Where the Agreement requires the processing of personal data by the beneficiaries, the beneficiaries may act only under the supervision of the data controller identified in Article I.6.1, in particular with regard to the purpose of the processing, the categories of data which may be processed, the recipients of the data and the means by which the data subject may exercise his or her rights.

The access to data that the beneficiaries grant to their personnel shall be limited to the extent strictly necessary for the implementation, management and monitoring of the Agreement.

The beneficiaries undertake to adopt appropriate technical and organisational security measures having regard to the risks inherent in the processing and to the nature of the personal data concerned, in order to:

- (a) prevent any unauthorised person from gaining access to computer systems processing personal data, and especially:
 - (i) unauthorised reading, copying, alteration or removal of storage media;
 - (ii) unauthorised data input as well as any unauthorised disclosure, alteration or erasure of stored personal data;
 - (iii) unauthorised persons from using data-processing systems by means of data transmission facilities;
- (b) ensure that authorised users of a data-processing system can access only the personal data to which their access right refers;
- (c) record which personal data have been communicated, when and to whom;
- (d) ensure that personal data being processed on behalf of third parties can be processed only in the manner prescribed by the Agency;
- (e) ensure that, during communication of personal data and transport of storage media, the data cannot be read, copied or erased without authorisation;
- (f) design their organisational structure in such a way that it meets data protection requirements.

ARTICLE II.7 – VISIBILITY OF UNION FUNDING

II.7.1 Information on Union funding and use of European Union emblem

Unless the Agency requests or agrees otherwise, any communication or publication related to the action, made by the beneficiaries jointly or individually, including at conferences, seminars or in any information or promotional materials (such as brochures, leaflets, posters, presentations, etc.), shall indicate that the action has received funding from the Union and shall display the European Union emblem.

When displayed in association with another logo, the European Union emblem must have appropriate prominence.

The obligation to display the European Union emblem does not confer to the beneficiaries a right of exclusive use. The beneficiaries shall not appropriate the European Union emblem or any similar trademark or logo, either by registration or by any other means.

For the purposes of the first, second and third subparagraphs and under the conditions specified therein, the beneficiaries are exempted from the obligation to obtain prior permission from the Agency to use the European Union emblem.

II.7.2 Disclaimers excluding Agency and Commission responsibility

Any communication or publication related to the action, made by the beneficiaries jointly or individually in any form and using any means, shall indicate that it reflects only the author's view and that the Agency and the Commission are not responsible for any use that may be made of the information it contains.

ARTICLE II.8 – PRE-EXISTING RIGHTS AND OWNERSHIP AND USE OF THE RESULTS (INCLUDING INTELLECTUAL AND INDUSTRIAL PROPERTY RIGHTS)

II.8.1 Ownership of the results by the beneficiaries

Unless stipulated otherwise in the Agreement, ownership of the results of the action, including industrial and intellectual property rights, and of the reports and other documents relating to it, shall be vested in the beneficiaries.

II.8.2 Pre-existing industrial and intellectual property rights

Where industrial and intellectual property rights, including rights of third parties, exist prior to the conclusion of the Agreement, the beneficiaries shall establish a list which shall specify all rights of ownership and use of the pre-existing industrial and intellectual property rights and disclose it to the Agency at the latest before the commencement of implementation.

The beneficiaries shall ensure that they or their affiliated entities have all the rights to use any pre-existing industrial and intellectual property rights during the implementation of the Agreement.

II.8.3 Rights of use of the results and of pre-existing rights by the Agency and/or the Union

Without prejudice to Articles II.1.1, II.3 and II.8.1, the beneficiaries grant the Agency and/or the Union the right to use the results of the action for the following purposes:

- (a) use for its own purposes, and in particular, making available to persons working for the Agency, the Union institutions, agencies and bodies and to Member States' institutions, as well as, copying and reproducing in whole or in part and in unlimited number of copies;

- (b) distribution to the public, and in particular, publication in hard copies and in electronic or digital format, publication on the internet, including on the Europa website, as a downloadable or non-downloadable file, broadcasting by any kind of technique of transmission, public display or presentation, communication through press information services, inclusion in widely accessible databases or indexes;
- (c) translation;
- (d) giving access upon individual requests without the right to reproduce or exploit, as provided for by Regulation (EC) No 1049/2001 of the European Parliament and of the Council of 30 May 2001 regarding public access to European Parliament, Council and Commission documents;
- (e) storage in paper, electronic or other format;
- (f) archiving in line with the document management rules applicable to the Agency and/or the Commission;
- (g) rights to authorise or sub-licence the modes of exploitation set out in points (b) and (c) to third parties.

Additional rights of use for the Agency and/or the Union may be provided for in the Special Conditions.

The beneficiaries shall warrant that the Agency and/or the Union has the right to use any pre-existing industrial and intellectual property rights, which have been included in the results of the action. Unless specified otherwise in the Special Conditions, those pre-existing rights shall be used for the same purposes and under the same conditions applicable to the rights of use of the results of the action.

Information about the copyright owner shall be inserted when the result is divulged by the Agency and/or the Union. The copyright information shall read: "© – year – name of the copyright owner. All rights reserved. Licenced to the European Union under conditions."

ARTICLE II.9 – AWARD OF CONTRACTS NECESSARY FOR THE IMPLEMENTATION OF THE ACTION

II.9.1 Where the implementation of the action requires the procurement of goods, works or services, the beneficiaries shall award the contract to the tender offering best value for money or, as appropriate, to the tender offering the lowest price. In doing so, they shall avoid any conflict of interests.

Beneficiaries acting in their capacity of contracting authorities within the meaning of Directive 2004/18/EC of the European Parliament and of the Council of 31 March 2004 on the coordination of procedures for the award of public work contracts, public supply contracts and public service contracts or contracting entities within the meaning of Directive 2004/17/EC of the European Parliament and of the Council of 31 March 2004 coordinating the procurement procedures of entities operating in the water, energy, transport and postal services sectors shall abide by the applicable national public procurement rules.

II.9.2 The beneficiaries shall retain sole responsibility for carrying out the action and for compliance with the provisions of the Agreement. The beneficiaries shall ensure that any procurement contract contains provisions stipulating that the contractor has no rights vis-à-vis the Agency under the Agreement.

II.9.3. The beneficiaries shall ensure that the conditions applicable to them under Articles II.3, II.4, II.5, II.8 and II.27 are also applicable to the contractor.

ARTICLE II.10 – SUBCONTRACTING OF TASKS FORMING PART OF THE ACTION

- II.10.1** A "subcontract" is a procurement contract within the meaning of Article II.9, which covers the implementation by a third party of tasks forming part of the action as described in Annex I.
- II.10.2** Beneficiaries may subcontract tasks forming part of the action, provided that, in addition to the conditions specified in Article II.9 and the Special Conditions, the following conditions are complied with:
- (a) subcontracting only covers the implementation of a limited part of the action;
 - (b) recourse to subcontracting is justified having regard to the nature of the action and what is necessary for its implementation;
 - (c) the estimated costs of the subcontracting are clearly identifiable in the estimated budget set out in Annex III;
 - (d) any recourse to subcontracting, if not provided for in Annex I, is communicated by the coordinator and approved by the Agency without prejudice to Article II.12.2;
 - (e) the beneficiaries ensure that the conditions applicable to them under Article II.7 are also applicable to the subcontractor.

ARTICLE II.11 - FINANCIAL SUPPORT TO THIRD PARTIES

- II.11.1** Where the implementation of the action requires giving financial support to third parties, the beneficiaries shall give such financial support in accordance with the conditions specified in Annex I, which shall at least contain:
- (a) the maximum amount of financial support, which shall not exceed EUR 60 000 for each third party except where the financial support is the primary aim of the action as specified in Annex I;
 - (b) the criteria for determining the exact amount of the financial support;
 - (c) the different types of activity that may receive financial support, on the basis of a fixed list;
 - (d) the definition of the persons or categories of persons which may receive financial support;
 - (e) the criteria for giving the financial support.
- II.11.2** By way of derogation from Article II.11.1, in case the financial support takes the form of a prize, the beneficiaries shall give such financial support in accordance with the conditions specified in Annex I, which shall at least contain:
- (a) the conditions for participation;
 - (b) the award criteria;
 - (c) the amount of the prize;
 - (d) the payment arrangements.

- II.11.3** The beneficiaries shall ensure that the conditions applicable to them under Articles II.3, II.4, II.5, II.7, II.8 and II.27 are also applicable to the third parties receiving financial support.

ARTICLE II.12 – AMENDMENTS TO THE AGREEMENT

- II.12.1** Any amendment to the Agreement shall be made in writing.
- II.12.2** An amendment may not have the purpose or the effect of making changes to the Agreement which would call into question the decision awarding the grant or be contrary to the equal treatment of applicants.
- II.12.3** Any request for amendment shall be duly justified and shall be sent to the other party in due time before it is due to take effect, and in any case one month before the end of the period set out in Article I.2.2, except in cases duly substantiated by the party requesting the amendment and accepted by the other party.
- II.12.4** A request for amendment on behalf of the beneficiaries shall be submitted by the coordinator. If a change of coordinator is requested without its agreement, the request shall be submitted by all the other beneficiaries.
- II.12.5** Amendments shall enter into force on the date on which the last party signs or on the date of approval of the request for amendment.
- Amendments shall take effect on a date agreed by the parties or, in the absence of such an agreed date, on the date on which the amendment enters into force.

ARTICLE II.13 – ASSIGNMENT OF CLAIMS FOR PAYMENTS TO THIRD PARTIES

- II.13.1** Claims for payments of the beneficiaries against the Agency may not be assigned to third parties, except in duly justified cases where the situation warrants it.
- The assignment shall only be enforceable against the Agency if it has accepted the assignment on the basis of a written and reasoned request to that effect made by the coordinator on behalf of the beneficiaries. In the absence of such acceptance, or in the event of failure to observe the terms thereof, the assignment shall have no effect on the Agency.
- II.13.2** In no circumstances shall such an assignment release the beneficiaries from their obligations towards the Agency.

ARTICLE II.14 – FORCE MAJEURE

- II.14.1** "*Force majeure*" shall mean any unforeseeable exceptional situation or event beyond the parties' control, which prevents either of them from fulfilling any of their obligations under the Agreement, which was not attributable to error or negligence on their part or on the part of subcontractors, affiliated entities or third parties involved in the implementation and which proves to be inevitable in spite of exercising all due diligence. Any default of a service, defect in equipment or material or delays in making them available, unless they stem directly from a relevant case of force majeure, as well as labour disputes, strikes or financial difficulties cannot be invoked as *force majeure*.
- II.14.2** A party faced with *force majeure* shall formally notify the other party without delay, stating the nature, likely duration and foreseeable effects.
- II.14.3** The parties shall take the necessary measures to limit any damage due to *force majeure*. They shall do their best to resume the implementation of the action as soon as possible.

II.14.4 The party faced with *force majeure* shall not be held to be in breach of its obligations under the Agreement if it has been prevented from fulfilling them by *force majeure*.

ARTICLE II.15 – SUSPENSION OF THE IMPLEMENTATION OF THE ACTION

II.15.1 Suspension of the implementation by the beneficiaries

The coordinator, on behalf of the beneficiaries, may suspend the implementation of the action or any part thereof, if exceptional circumstances make such implementation impossible or excessively difficult, in particular in the event of *force majeure*. The coordinator shall inform the Agency without delay, giving all the necessary reasons and details and the foreseeable date of resumption.

Unless the Agreement or the participation of a beneficiary is terminated in accordance with Articles II.16.1, II.16.2 or points (c) or (d) of Article II.16.3.1, the coordinator shall, once the circumstances allow resuming the implementation of the action, inform the Agency immediately and present a request for amendment of the Agreement as provided for in Article II.15.3.

II.15.2 Suspension of the implementation by the Agency

II.15.2.1 The Agency may suspend the implementation of the action or any part thereof:

- (a) if the Agency has evidence that a beneficiary has committed substantial errors, irregularities or fraud in the award procedure or in the implementation of the Agreement or if a beneficiary fails to comply with its obligations under the Agreement;
- (b) if the Agency has evidence that a beneficiary has committed systemic or recurrent errors, irregularities, fraud or breach of obligations under other grants funded by the Union or the European Atomic Energy Community which were awarded to that beneficiary under similar conditions, provided that those errors, irregularities, fraud or breach of obligations have a material impact on this grant; or
- (c) if the Agency suspects substantial errors, irregularities, fraud or breach of obligations committed by a beneficiary in the award procedure or in the implementation of the Agreement and needs to verify whether they have actually occurred.

II.15.2.2 Before suspending the implementation the Agency shall formally notify the coordinator of its intention to suspend, specifying the reasons thereof, and, in the cases referred to in points (a) and (b) of Article II.15.2.1, the necessary conditions for resuming the implementation. The coordinator shall be invited to submit observations on behalf of all beneficiaries within 30 calendar days from receipt of this notification.

If, after examination of the observations submitted by the coordinator, the Agency decides to stop the suspension procedure, it shall formally notify the coordinator thereof.

If no observations have been submitted or if, despite the observations submitted by the coordinator, the Agency decides to pursue the suspension procedure, it may suspend the implementation by formally notifying the coordinator thereof, specifying the reasons for the suspension and, in the cases referred to in points (a) and (b) of Article II.15.2.1, the definitive conditions for resuming the implementation or, in the case referred to in point (c) of Article II.15.2.1, the indicative date of completion of the necessary verification.

The coordinator shall inform the other beneficiaries immediately. The suspension shall take effect five calendar days after the receipt of the notification by the coordinator or on a later date, where the notification so provides.

In order to resume the implementation, the beneficiaries shall endeavour to meet the notified conditions as soon as possible and shall inform the Agency of any progress made in this respect.

Unless the Agreement or the participation of a beneficiary is terminated in accordance with Articles II.16.1, II.16.2 or points (c), (i) or (j) of Article II.16.3.1, the Agency shall, as soon as it considers that the conditions for resuming the implementation have been met or the necessary verification, including on-the-spot checks, has been carried out, formally notify the coordinator thereof and invite the coordinator to present a request for amendment of the Agreement as provided for in Article II.15.3.

II.15.3 Effects of the suspension

If the implementation of the action can be resumed and the Agreement is not terminated, an amendment to the Agreement shall be made in accordance with Article II.12 in order to establish the date on which the action shall be resumed, to extend the duration of the action and to make any other modifications that may be necessary to adapt the action to the new implementing conditions.

The suspension is deemed lifted as from the date of resumption of the action agreed by the parties in accordance with the first subparagraph. Such a date may be before the date on which the amendment enters into force.

Any costs incurred by the beneficiaries, during the period of suspension, for the implementation of the suspended action or the suspended part thereof, shall not be reimbursed or covered by the grant.

The right of the Agency to suspend the implementation is without prejudice to its right to terminate the Agreement or the participation of a beneficiary in accordance with Article II.16.3 and its right to reduce the grant or recover amounts unduly paid in accordance with Articles II.25.4 and II.26.

Neither party shall be entitled to claim compensation on account of a suspension by the other party.

ARTICLE II.16 – TERMINATION OF THE AGREEMENT

II.16.1 Termination of the Agreement by the coordinator

In duly justified cases, the coordinator, on behalf of all beneficiaries, may terminate the Agreement by formally notifying the Agency thereof, stating clearly the reasons and specifying the date on which the termination shall take effect. The notification shall be sent before the termination is due to take effect.

If no reasons are given or if the Agency considers that the reasons exposed cannot justify the termination, it shall formally notify the coordinator, specifying the grounds thereof, and the Agreement shall be deemed to have been terminated improperly, with the consequences set out in the fourth subparagraph of Article II.16.4.

II.16.2 Termination of the participation of one or more beneficiaries by the coordinator

In duly justified cases, the participation of any one or several beneficiaries in the Agreement may be terminated by the coordinator, acting on request of that beneficiary or those beneficiaries, or on behalf of all the other beneficiaries. When notifying such termination to the Agency, the coordinator shall include the reasons for the termination of the participation, the opinion of the beneficiary or beneficiaries the participation of which is terminated, the date on which the termination shall take effect and the proposal of the remaining beneficiaries relating to the reallocation of the tasks of that beneficiary or those beneficiaries or, where relevant, to the nomination of one or more replacements which shall succeed that beneficiary or those beneficiaries in all their rights and obligations under the Agreement. The notification shall be sent before the termination is due to take effect.

If no reasons are given or if the Agency considers that the reasons exposed cannot justify the termination, it shall formally notify the coordinator, specifying the grounds thereof, and the participation shall be deemed to have been terminated improperly, with the consequences set out in the fourth subparagraph of Article II.16.4.

Without prejudice to Article II.12.2, an amendment to the Agreement shall be made, in order to introduce the necessary modifications.

II.16.3 Termination of the Agreement or the participation of one or more beneficiaries by the Agency

II.16.3.1 The Agency may decide to terminate the Agreement or the participation of any one or several beneficiaries participating in the action, in the following circumstances:

- (a) if a change to the beneficiary's legal, financial, technical, organisational or ownership situation is likely to affect the implementation of the Agreement substantially or calls into question the decision to award the grant;
- (b) if, following the termination of the participation of any one or several beneficiaries, the necessary modifications to the Agreement would call into question the decision awarding the grant or would result in unequal treatment of applicants;
- (c) if the beneficiaries do not implement the action as specified in Annex I or if a beneficiary fails to comply with another substantial obligation incumbent on it under the terms of the Agreement;
- (d) in the event of *force majeure*, notified in accordance with Article II.14, or in the event of suspension by the coordinator as a result of exceptional circumstances, notified in accordance with Article II.15, where resuming the implementation is impossible or where the necessary modifications to the Agreement would call into question the decision awarding the grant or would result in unequal treatment of applicants;
- (e) if a beneficiary is declared bankrupt, is being wound up, is having its affairs administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of any other similar proceedings concerning those matters, or is in an analogous situation arising from a similar procedure provided for in national legislation or regulations;

- (f) if a beneficiary or any related person, as defined in the second subparagraph, have been found guilty of professional misconduct proven by any means;
- (g) if a beneficiary is not in compliance with its obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which it is established or in which the action is implemented;
- (h) if the Agency has evidence that a beneficiary or any related person, as defined in the second subparagraph, have committed fraud, corruption, or are involved in a criminal organisation, money laundering or any other illegal activity detrimental to the Union's financial interests;
- (i) if the Agency has evidence that a beneficiary or any related person, as defined in the second subparagraph, have committed substantial errors, irregularities or fraud in the award procedure or in the implementation of the Agreement, including in the event of submission of false information or failure to submit required information in order to obtain the grant provided for in the Agreement; or
- (j) if the Agency has evidence that a beneficiary has committed systemic or recurrent errors, irregularities, fraud or breach of obligations under other grants funded by the Union or the European Atomic Energy Community which were awarded to that beneficiary under similar conditions, provided that those errors, irregularities, fraud or breach of obligations have a material impact on this grant.

For the purposes of points (f), (h) and (i), "any related person" shall mean any natural person who has the power to represent the beneficiary or to take decisions on its behalf.

II.16.3.2 Before terminating the Agreement or the participation of any one or several beneficiaries, the Agency shall formally notify the coordinator and, as may be the case, the beneficiary(ies) concerned of its intention to terminate, specifying the reasons thereof and inviting the coordinator, within 45 calendar days from receipt of the notification, to submit observations on behalf of all beneficiaries and, in the case of point (c) of Article II.16.3.1, to inform the Agency about the measures taken to ensure that the beneficiaries continue to fulfil their obligations under the Agreement.

If, after examination of the observations submitted by the coordinator, the Agency decides to stop the termination procedure, it shall formally notify the coordinator thereof.

If no observations have been submitted or if, despite the observations submitted by the coordinator, the Agency decides to pursue the termination procedure, it may terminate the Agreement or the participation of any one or several beneficiaries by formally notifying the coordinator thereof, specifying the reasons for the termination.

In the cases referred to in points (a), (b), (c), (e) and (g) of Article II.16.3.1, the formal notification shall specify the date on which the termination takes effect. In the cases referred to in points (d), (f), (h), (i) and (j) of Article II.16.3.1, the termination shall take effect on the day following the date on which the formal notification was received by the coordinator.

II.16.4 Effects of termination

Where the Agreement is terminated, payments by the Agency shall be limited to the amount determined in accordance with Article II.25 on the basis of the eligible costs incurred by the beneficiaries and the actual level of implementation of the action on the date when the termination takes effect. Costs relating to current commitments, which are not due for execution until after the termination, shall not be taken into account. The coordinator shall have 60 days from the date when the termination of the Agreement takes effect, as provided for in Articles II.16.1 and II.16.3.2, to produce a request for payment of the balance in accordance with Article II.23.2. If no request for payment of the balance is received within this time limit, the Agency shall not reimburse or cover any costs which are not included in a financial statement approved by it or which are not justified in a technical report approved by it. In accordance with Article II.26, the Agency shall recover any amount already paid, if its use is not substantiated by the technical reports and, where applicable, by the financial statements approved by the Agency.

Where the participation of a beneficiary is terminated, the beneficiary concerned shall submit to the coordinator a technical report and, where applicable, a financial statement covering the period from the end of the last reporting period according to Article I.4 for which a report has been submitted to the Agency to the date on which the termination takes effect. The technical report and the financial statement shall be submitted in due time to allow the coordinator to draw up the corresponding payment request. Only those costs incurred by the beneficiary concerned up to the date when termination of its participation takes effect shall be reimbursed or covered by the grant. Costs relating to current commitments, which were not due for execution until after the termination, shall not be taken into account. The request for payment for the beneficiary concerned shall be included in the next payment request submitted by the coordinator in accordance with the schedule laid down in Article I.4.

Where the Agency, in accordance with point (c) of Article II.16.3.1, is terminating the Agreement on the grounds that the coordinator has failed to produce the request for payment and, after a reminder, has still not complied with this obligation within the deadline set out in Article II.23.3, the first subparagraph shall apply, subject to the following:

- (a) there shall be no additional time period from the date when the termination of the Agreement takes effect for the coordinator to produce a request for payment of the balance in accordance with Article II.23.2; and
- (b) the Agency shall not reimburse or cover any costs incurred by the beneficiaries up to the date of termination or up to the end of the period set out in Article I.2.2, whichever is the earlier, which are not included in a financial statement approved by it or which are not justified in a technical report approved by it.

In addition to the first, second and third subparagraphs, where the Agreement or the participation of a beneficiary is terminated improperly by the coordinator within the meaning of Articles II.16.1 and II.16.2, or where the Agreement or the participation of a beneficiary is terminated by the Agency on the grounds set out in points (c), (f), (h), (i) and (j) of Article II.16.3.1, the Agency may also reduce the grant or recover amounts unduly paid in accordance with Articles II.25.4 and II.26, in proportion to the gravity of the failings in question and after allowing the coordinator, and, where relevant, the beneficiaries concerned, to submit their observations.

Neither party shall be entitled to claim compensation on account of a termination by the other party.

ARTICLE II.17 – ADMINISTRATIVE AND FINANCIAL PENALTIES

II.17.1 By virtue of Articles 109 and 131(4) Regulation (EU, EURATOM) No 966/2012 of the European Parliament and of the Council of 25 October 2012 on the financial rules applicable to the general budget of the Union and with due regard to the principle of proportionality, a beneficiary which has committed substantial errors, irregularities or fraud, has made false declarations in supplying required information or has failed to supply such information at the moment of the submission of the application or during the implementation of the grant, or has been found in serious breach of its obligations under the Agreement shall be liable to:

- (a) administrative penalties consisting of exclusion from all contracts and grants financed by the Union budget for a maximum of five years from the date on which the infringement is established and confirmed following a contradictory procedure with the beneficiary; and/or
- (b) financial penalties of 2% to 10% of the value of the contribution the beneficiary concerned is entitled to in accordance with the estimated budget set out in Annex III.

In the event of another infringement within five years following the establishment of the first infringement, the period of exclusion under point (a) may be extended to 10 years and the range of the rate referred to in point (b) may be increased to 4% to 20%.

II.17.2 The Agency shall formally notify the beneficiary concerned of any decision to apply such penalties.

The Agency is entitled to publish such decision under the conditions and within the limits specified in Article 109(3) of Regulation (EU, EURATOM) No 966/2012.

An action may be brought against such decision before the General Court of the European Union, pursuant to Article 263 Treaty on the Functioning of the European Union ("TFEU").

ARTICLE II.18 – APPLICABLE LAW, SETTLEMENT OF DISPUTES AND ENFORCEABLE DECISION

II.18.1 The Agreement is governed by the applicable Union law complemented, where necessary, by the law of Belgium.

II.18.2 Pursuant to Article 272 TFEU, the General Court or, on appeal, the Court of Justice of the European Union, shall have sole jurisdiction to hear any dispute between the Agency and/or the Union and any beneficiary concerning the interpretation, application or validity of this Agreement, if such dispute cannot be settled amicably.

II.18.3 By virtue of Article 299 TFEU, for the purposes of recoveries within the meaning of Article II.26 or financial penalties, the Commission may adopt an enforceable decision to impose pecuniary obligations on persons other than States. An action may be brought against such decision before the General Court of the European Union pursuant to Article 263 TFEU.

PART B – FINANCIAL PROVISIONS**ARTICLE II.19 – ELIGIBLE COSTS – NOT APPLICABLE****ARTICLE II.20 – IDENTIFIABILITY AND VERIFIABILITY OF THE AMOUNTS DECLARED****II.20.1 Reimbursement of actual costs**

Where, in accordance with Article I.3(a)(i), the grant takes the form of the reimbursement of actual costs, the beneficiary must declare as eligible costs the costs it actually incurred for the action.

If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the costs declared, such as contracts, invoices and accounting records. In addition, the beneficiary's usual accounting and internal control procedures must permit direct reconciliation of the amounts declared with the amounts recorded in its accounting statements as well as with the amounts indicated in the supporting documents.

II.20.2 Reimbursement of pre-determined unit costs or pre-determined unit contribution

Where, in accordance with Article I.3(a)(ii) or (b), the grant takes the form of the reimbursement of unit costs or of a unit contribution, the beneficiary must declare as eligible costs or as requested contribution the amount obtained by multiplying the amount per unit specified in Article I.3(a)(ii) or (b) by the actual number of units used or produced.

If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the number of units declared. However, the beneficiary does not need to identify the actual eligible costs covered or to provide supporting documents, notably accounting statements, to prove the amount declared per unit.

II.20.3 Reimbursement of pre-determined lump sum costs or pre-determined lump sum contribution

Where, in accordance with Article I.3(a)(iii) or (c), the grant takes the form of the reimbursement of lump sum costs or of a lump sum contribution, the beneficiary must declare as eligible costs or as requested contribution the global amount specified in Article I.3(a)(iii) or (c), subject to the proper implementation of the corresponding tasks or part of the action as described in Annex I.

If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the proper implementation. However, the beneficiary does not need to identify the actual eligible costs covered or to provide supporting documents, notably accounting statements, to prove the amount declared as lump sum.

II.20.4 Reimbursement of pre-determined flat-rate costs or pre-determined flat-rate contribution

Where, in accordance with Article I.3(a)(iv) or (d), the grant takes the form of the reimbursement of flat-rate costs or of a flat-rate contribution, the beneficiary must declare as eligible costs or as requested contribution the amount obtained by applying the flat rate specified in Article I.3(a)(iv) or (d).

If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the eligible costs or requested contribution to which the flat rate applies. However, the beneficiary does not need to identify the actual eligible costs covered or to provide supporting documents, notably accounting statements, for the flat rate applied.

II.20.5 Reimbursement of costs declared on the basis of the beneficiary's usual cost accounting practices

Where, in accordance with Article I.3(a)(v), the grant takes the form of the reimbursement of unit costs declared on the basis of the beneficiary's usual cost accounting practices, the beneficiary must declare as eligible costs the amount obtained by multiplying the amount per unit calculated in accordance with its usual cost accounting practices by the actual number of units used or produced. If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the number of units declared.

Where, in accordance with Article I.3(a)(v), the grant takes the form of the reimbursement of lump sum costs declared on the basis of the beneficiary's usual cost accounting practices, the beneficiary must declare as eligible costs the global amount calculated in accordance with its usual cost accounting practices, subject to the proper implementation of the corresponding tasks or part of the action. If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the proper implementation.

Where, in accordance with Article I.3(a)(v), the grant takes the form of the reimbursement of flat-rate costs declared on the basis of the beneficiary's usual cost accounting practices, the beneficiary must declare as eligible costs the amount obtained by applying the flat rate calculated in accordance with its usual cost accounting practices. If requested to do so in the context of the checks or audits described in Article II.27, the beneficiary must be able to provide adequate supporting documents to prove the eligible costs to which the flat rate applies.

In all three cases provided for in the first, second and third subparagraphs, the beneficiary does not need to identify the actual eligible costs covered, but it must ensure that the cost accounting practices used for the purpose of declaring eligible costs are in compliance with the following conditions:

- (a) the cost accounting practices used constitute its usual cost accounting practices and are applied in a consistent manner, based on objective criteria independent from the source of funding;
- (b) the costs declared can be directly reconciled with the amounts recorded in its general accounts; and
- (c) the categories of costs used for the purpose of determining the costs declared are exclusive of any ineligible cost or costs covered by other forms of grant in accordance with Article I.3.

Where the Special Conditions provide for the possibility for the beneficiary to request the Agency to assess the compliance of its usual cost accounting practices, the beneficiary may submit a request for assessment, which, where required by the Special Conditions, shall be accompanied by a certificate on the compliance of the cost accounting practices ("certificate on the compliance of the cost accounting practices").

The certificate on the compliance of the cost accounting practices shall be produced by an approved auditor or, in case of public bodies, by a competent and independent public officer.

The certificate shall certify that the beneficiary's cost accounting practices used for the purpose of declaring eligible costs comply with the conditions laid down in the fourth subparagraph and with the additional conditions which may be laid down in the Special Conditions.

Where the Agency has confirmed that the usual cost accounting practices of the beneficiary are in compliance, costs declared in application of these practices shall not be challenged *ex post*, provided that the practices actually used comply with those approved by the Agency and that the beneficiary did not conceal any information for the purpose of their approval.

ARTICLE II.21 – ELIGIBILITY OF COSTS OF ENTITIES AFFILIATED TO THE BENEFICIARIES

Where the Special Conditions contain a provision on entities affiliated to the beneficiaries, costs incurred by such an entity are eligible, provided that they satisfy the same conditions under Articles II.19 and II.20 as apply to the beneficiary, and that the beneficiary the entity is affiliated to ensures that the conditions applicable to him under Articles II.3, II.4, II.5, II.7, II.9, II.10 and II.27 are also applicable to the entity.

ARTICLE II.22 – BUDGET TRANSFERS

Without prejudice to Article II.10 and provided that the action is implemented as described in Annex I, beneficiaries are allowed to adjust the estimated budget set out in Annex III by transfers between themselves and between the different budget categories, without this adjustment being considered as an amendment of the Agreement within the meaning of Article II.12.

By way of derogation from the first subparagraph, should beneficiaries want to modify the value of the contribution that each of them is entitled to as referred to in point (b) of Article II.17.1 and point (c) of Article II.26.3, the coordinator shall request an amendment in accordance to Article II.12.

The first two subparagraphs do not apply to amounts which, in accordance with Article I.3(a)(iii) or (c), take the form of lump sums.

ARTICLE II.23 – TECHNICAL AND FINANCIAL REPORTING – REQUESTS FOR PAYMENT AND SUPPORTING DOCUMENTS

II.23.1 Requests for further pre-financing payments and supporting documents

Where, in accordance with Article I.4.1, the pre-financing shall be paid in several instalments and where Article I.4.1 provides for a further pre-financing payment subject to having used all or part of the previous instalment, the coordinator may submit a request for a further pre-financing payment once the percentage of the previous instalment specified in Article I.4.1 has been used.

Where, in accordance with Article I.4.1, the pre-financing shall be paid in several instalments and where Article I.4.1 provides for a further pre-financing payment at the end of a reporting period, the coordinator shall submit a request for a further pre-financing payment within 60 days following the end of each reporting period for which a new pre-financing payment is due.

In both cases, the request shall be accompanied by the following documents:

- (a) a progress report on implementation of the action (“technical report on progress”);
- (b) a statement on the amount of the previous pre-financing instalment used to cover costs of the action (“statement on the use of the previous pre-financing instalment”), drawn up in accordance with Annex VI;
- (c) where required by Article I.4.1, a financial guarantee; and

- (d) an updated report on the distribution of the Union financial contribution between the beneficiaries, including amounts and dates of transfer.

II.23.2 Requests for interim payments or for payment of the balance and supporting documents

The coordinator shall submit a request for an interim payment or for payment of the balance within 60 days following the end of each reporting period for which, in accordance with Article I.4.1, an interim payment or the payment of the balance is due.

This request shall be accompanied by the following documents:

- (a) an interim report ("interim technical report") or, for the payment of the balance, a final report on implementation of the action ("final technical report"), drawn up in accordance with Annex V; the interim or final technical report must contain the information needed to justify the eligible costs declared or the contribution requested on the basis of unit costs and lump sums where the grant takes the form of the reimbursement of unit or lump sum costs or of a unit or lump sum contribution in accordance with Article I.3(a)(ii), (iii), (b) or (c), as well as information on subcontracting as referred to in Article II.10.2(d);
- (b) an interim financial statement ("interim financial statement") or, for the payment of the balance, a final financial statement ("final financial statement"); the interim or final financial statements must include a consolidated statement as well as a breakdown of the amounts claimed by each beneficiary and its affiliated entities; they must be drawn up in accordance with the structure of the estimated budget set out in Annex III and with Annex VI and detail the amounts for each of the forms of grant set out in Article I.3 for the reporting period concerned;
- (c) only for the payment of the balance, a summary financial statement ("summary financial statement"); this statement must include a consolidated financial statement and a breakdown of the amounts declared or requested by each beneficiary and its affiliated entities, aggregating the financial statements already submitted previously and indicating the receipts referred to in Article II.25.3.2 for each beneficiary and its affiliated entities; it must be drawn up in accordance with Annex VI;
- (d) where required by Article I.4.1 or for each beneficiary for which the total contribution in the form of reimbursement of actual costs as referred to in Article I.3(a)(i) is at least EUR 750 000 and which requests a reimbursement in that form of at least EUR 325 000 (when adding all previous reimbursements in that form for which a certificate on the financial statements has not been submitted), a certificate on the financial statements and underlying accounts ("certificate on the financial statements");

This certificate shall be produced by an approved auditor or, in case of public bodies, by a competent and independent public officer and drawn up in accordance with Annex VII. It shall certify that the costs declared in the interim or final financial statement by the beneficiary concerned or its affiliated entities for the categories of costs reimbursed in accordance with Article I.3(a)(i) are real, accurately recorded and eligible in accordance with the Agreement. In addition, for the payment of the balance, it shall certify that all the receipts referred to in Article II.25.3.2 have been declared; and

- (e) where required by Article I.4.1, an operational verification report ("operational verification report"), produced by an independent third party approved by the Agency and drawn up in accordance with Annex VIII.

This report shall state that the actual implementation of the action as described in the interim or final report complies with the conditions set out in the Agreement.

- (f) an updated report on the distribution of the Union financial contribution between the beneficiaries, including amounts and dates of transfer.

The coordinator shall certify that the information provided in the request for interim payment or for payment of the balance is full, reliable and true. It shall also certify that the costs incurred can be considered eligible in accordance with the Agreement and that the request for payment is substantiated by adequate supporting documents that can be produced in the context of the checks or audits described in Article II.27. In addition, for the payment of the balance, it shall certify that all the receipts referred to in Article II.25.3.2 have been declared.

II.23.3 Non-submission of documents

Where the coordinator has failed to submit a request for interim payment or payment of the balance accompanied by the documents referred to above within 60 days following the end of the corresponding reporting period and where the coordinator still fails to submit such a request within 60 days following a written reminder sent by the Agency, the Agency reserves the right to terminate the Agreement in accordance with Article II.16.3.1(c), with the effects described in the third and the fourth subparagraphs of Article II.16.4.

II.23.4 Currency for requests for payment and financial statements and conversion into euro

Requests for payment and financial statements shall be drafted in euro.

Beneficiaries with general accounts in a currency other than the euro shall convert costs incurred in another currency into euro at the average of the daily exchange rates published in the C series of *Official Journal of the European Union*, determined over the corresponding reporting period. Where no daily euro exchange rate is published in the *Official Journal of the European Union* for the currency in question, conversion shall be made at the average of the monthly accounting rates established by the Commission and published on its website (http://ec.europa.eu/budget/contracts_grants/info_contracts/infoeuro/infoeuro_en.cfm), determined over the corresponding reporting period.

Beneficiaries with general accounts in euro shall convert costs incurred in another currency into euro according to their usual accounting practices.

ARTICLE II.24 – PAYMENTS AND PAYMENT ARRANGEMENTS

II.24.1 Pre-financing

The pre-financing is intended to provide the beneficiaries with a float.

Without prejudice to Article II.24.6, where Article I.4.1 provides for a pre-financing payment upon entry into force of the Agreement, the Agency shall pay to the coordinator within 30 days following that date or, where required by Article I.4.1, following receipt of the financial guarantee.

Where payment of pre-financing is conditional on receipt of a financial guarantee, the financial guarantee shall fulfill the following conditions:

- (a) it is provided by a bank or an approved financial institution or, at the request of the coordinator and acceptance by the Agency, by a third party;
- (b) the guarantor stands as first-call guarantor and does not require the Agency and/or the Commission to have recourse against the principal debtor (i.e. the beneficiary concerned); and

- (c) it provides that it remains in force until the pre-financing is cleared against interim payments or payment of the balance by the Agency and, in case the payment of the balance is made in the form of a debit note, three months after the debit note is notified to a beneficiary. The Agency shall release the guarantee within the following month.

II.24.2 Further pre-financing payments

Without prejudice to Articles II.24.5 and II.24.6, on receipt of the documents referred to in Article II.23.1, the Agency shall pay to the coordinator the new pre-financing instalment within 60 days.

Where the statement on the use of the previous pre-financing instalment submitted in accordance with Article II.23.1 shows that less than 70% of the previous pre-financing instalment paid has been used to cover costs of the action, the amount of the new pre-financing to be paid shall be reduced by the difference between the 70% threshold and the amount used.

II.24.3 Interim payments

Interim payments are intended to reimburse or cover the eligible costs incurred for the implementation of the action during the corresponding reporting periods.

Without prejudice to Articles II.24.5 and II.24.6, on receipt of the documents referred to in Article II.23.2, the Agency shall pay to the coordinator the amount due as interim payment within the time limit specified in Article I.4.2.

This amount shall be determined following approval of the request for interim payment and of the accompanying documents and in accordance with the fourth, fifth and sixth subparagraphs. Approval of the request for interim payment and of the accompanying documents shall not imply recognition of the regularity or of the authenticity, completeness and correctness of the declarations and information it contains.

Without prejudice to any ceiling set out in Article I.4.1 and to Articles II.24.5 and II.24.6, the amount due as interim payment shall be determined as follows:

- (a) where, in accordance with Article I.3(a), the grant takes the form of the reimbursement of eligible costs, the amount obtained by application of the reimbursement rate specified in that Article to the eligible costs of the action approved by the Agency for the concerned reporting period and the corresponding categories of costs, beneficiaries and affiliated entities; if Article I.4.1 specifies another reimbursement rate, this other rate shall be applied instead;
- (b) where, in accordance with Article I.3(b), the grant takes the form of a unit contribution, the amount obtained by multiplying the unit contribution specified in that Article by the actual number of units approved by the Agency for the concerned reporting period and for the corresponding beneficiaries and affiliated entities;
- (c) where, in accordance with Article I.3(c), the grant takes the form of a lump sum contribution, the lump sum specified in that Article for the corresponding beneficiaries and affiliated entities, subject to approval by the Agency of the proper implementation during the concerned reporting period of the corresponding tasks or part of the action in accordance with Annex I;
- (d) where, in accordance with Article I.3(d), the grant takes the form of a flat-rate contribution, the amount obtained by applying the flat rate referred to in that Article to the eligible costs or to the contribution accepted by the Agency for the concerned reporting period and the corresponding beneficiaries and affiliated entities.

Where Article I.3 provides for a combination of different forms of grant, these amounts shall be added.

Where Article I.4.1 requires that the interim payment clears all or part of the pre-financing paid to the beneficiaries, the amount of pre-financing to be cleared shall be deducted from the amount due as interim payment, as determined in accordance with the fourth and fifth subparagraphs.

II.24.4 Payment of the balance

The payment of the balance, which may not be repeated, is intended to reimburse or cover after the end of the period set out in Article I.2.2 the remaining part of the eligible costs incurred by the beneficiaries for its implementation. Where the total amount of earlier payments is greater than the final amount of the grant determined in accordance with Article II.25, the payment of the balance may take the form of a recovery as provided for by Article II.26.

Without prejudice to Articles II.24.5 and II.24.6, on receipt of the documents referred to in Article II.23.2, the Agency shall pay the amount due as the balance within the time limit specified in Article I.4.2.

This amount shall be determined following approval of the request for payment of the balance and of the accompanying documents and in accordance with the fourth subparagraph. Approval of the request for payment of the balance and of the accompanying documents shall not imply recognition of the regularity or of the authenticity, completeness and correctness of the declarations and information it contains.

The amount due as the balance shall be determined by deducting, from the final amount of the grant determined in accordance with Article II.25, the total amount of pre-financing and interim payments already made.

II.24.5 Suspension of the time limit for payment

The Agency may suspend the time limit for payment specified in Articles I.4.2 and II.24.2 at any time by formally notifying the coordinator that its request for payment cannot be met, either because it does not comply with the provisions of the Agreement, or because the appropriate supporting documents have not been produced, or because there is doubt about the eligibility of the costs declared in the financial statement.

The coordinator shall be notified as soon as possible of any such suspension, together with the reasons thereof.

Suspension shall take effect on the date when notification is sent by the Agency. The remaining payment period shall start to run again from the date on which the requested information or revised documents are received or the necessary further verification, including on-the-spot checks, is carried out. Where the suspension exceeds two months, the coordinator may request a decision by the Agency on whether the suspension is to be continued.

Where the time limit for payment has been suspended following the rejection of one of the technical reports or financial statements provided for by Article II.23 and the new report or statement submitted is also rejected, the Agency reserves the right to terminate the Agreement in accordance with Article II.16.3.1(c), with the effects described in Article II.16.4.

II.24.6 Suspension of payments

The Agency may, at any time during the implementation of the Agreement, suspend the pre-financing payments, interim payments or payment of the balance for all beneficiaries, or suspend the pre-financing payments or interim payments for any one or several beneficiaries:

- (a) if the Agency has evidence that a beneficiary has committed substantial errors, irregularities or fraud in the award procedure or in the implementation of the grant, or if a beneficiary fails to comply with its obligations under the Agreement;

- (b) if the Agency has evidence that a beneficiary has committed systemic or recurrent errors, irregularities, fraud or breach of obligations under other grants funded by the Union or by the European Atomic Energy Community which were awarded to that beneficiary under similar conditions, provided that those errors, irregularities, fraud or breach of obligations have a material impact on this grant; or
- (c) if the Agency suspects substantial errors, irregularities, fraud or breach of obligations committed by a beneficiary in the award procedure or in the implementation of the Agreement and needs to verify whether they have actually occurred.

Before suspending payments, the Agency shall formally notify the coordinator of its intention to suspend payments, specifying the reasons thereof and, in the cases referred to in points (a) and (b) of the first subparagraph, the necessary conditions for resuming payments. The coordinator shall be invited to make any observations on behalf of all beneficiaries within 30 calendar days from receipt of this notification.

If, after examination of the observations submitted by the coordinator, the Agency decides to stop the procedure of payment suspension, the Agency shall formally notify the coordinator thereof.

If no observations have been submitted or if, despite the observations submitted by the coordinator, the Agency decides to pursue the procedure of payment suspension, it may suspend payments by formally notifying the coordinator, specifying the reasons for the suspension and, in the cases referred to in points (a) and (b) of the first subparagraph, the definitive conditions for resuming payments or, in the case referred to in point (c) of the first subparagraph, the indicative date of completion of the necessary verification.

The coordinator shall inform the other beneficiaries immediately. The suspension of payments shall take effect on the date when the notification is sent by the Agency.

In order to resume payments, the beneficiaries shall endeavour to meet the notified conditions as soon as possible and shall inform the Agency of any progress made in this respect.

The Agency shall, as soon as it considers that the conditions for resuming payments have been met or the necessary verification, including on-the-spot checks, has been carried out, formally notify the coordinator thereof.

During the period of suspension of payments and without prejudice to the right to suspend the implementation of the action in accordance with Article II.15.1 or to terminate the Agreement or the participation of a beneficiary in accordance with Article II.16.1 and Article II.16.2, the coordinator is not entitled to submit any requests for payments and supporting documents referred to in Article II.23 or, where the suspension concerns the pre-financing payments or interim payments for one or several beneficiaries only, any requests for payments and supporting documents relating to the participation of the concerned beneficiary or beneficiaries in the action.

The corresponding requests for payments and supporting documents may be submitted as soon as possible after resumption of payments or may be included in the first request for payment due following resumption of payments in accordance with the schedule laid down in Article I.4.1.

II.24.7 Notification of amounts due

The Agency shall formally notify the amounts due, specifying whether it is a further pre-financing payment, an interim payment or the payment of the balance. In the case of payment of the balance, it shall also specify the final amount of the grant determined in accordance with Article II.25.

II.24.8 Interest on late payment

On expiry of the time limits for payment specified in Articles I.4.2, II.24.1 and II.24.2, and without prejudice to Articles II.24.5 and II.24.6, the beneficiaries are entitled to interest on late payment at the rate applied by the European Central Bank for its main refinancing operations in euros ("the reference rate"), plus three and a half points. The reference rate shall be the rate in force on the first day of the month in which the time limit for payment expires, as published in the C series of the *Official Journal of the European Union*.

The first subparagraph shall not apply where all beneficiaries are Member States of the Union, including regional and local government authorities and other public bodies acting in the name and on behalf of the Member State for the purpose of this Agreement.

The suspension of the time limit for payment in accordance with Article II.24.5 or of payment by the Agency in accordance with Article II.24.6 may not be considered as late payment.

Interest on late payment shall cover the period running from the day following the due date for payment, up to and including the date of actual payment as established in Article II.24.10. The interest payable shall not be considered for the purposes of determining the final amount of grant within the meaning of Article II.25.3.

By way of derogation from the first subparagraph, when the calculated interest is lower than or equal to EUR 200, it shall be paid to the coordinator only upon request submitted within two months of receiving late payment.

II.24.9 Currency for payments

Payments by the Agency shall be made in euro.

II.24.10 Date of payment

Payments by the Agency shall be deemed to be effected on the date when they are debited to the Commission's account.

II.24.11 Costs of payment transfers

Costs of the payment transfers shall be borne in the following way:

- (a) costs of transfer charged by the bank of the Agency and/or the Commission shall be borne by the Agency and/or the Commission;
- (b) costs of transfer charged by the bank of a beneficiary shall be borne by the beneficiary;
- (c) all costs of repeated transfers caused by one of the parties shall be borne by the party which caused the repetition of the transfer.

II.24.12 Payments to the coordinator

Payments to the coordinator shall discharge the Agency from its payment obligation.

ARTICLE II.25 – DETERMINING THE FINAL AMOUNT OF THE GRANT**II.25.1 Calculation of the final amount**

Without prejudice to Articles II.25.2, II.25.3 and II.25.4, the final amount of the grant shall be determined as follows:

- (a) where, in accordance with Article I.3(a), the grant takes the form of the reimbursement of eligible costs, the amount obtained by application of the reimbursement rate specified in that Article to the eligible costs of the action approved by the Agency for the corresponding categories of costs, beneficiaries and affiliated entities;
- (b) where, in accordance with Article I.3(b), the grant takes the form of a unit contribution, the amount obtained by multiplying the unit contribution specified that Article by the actual number of units approved by the Agency for the corresponding beneficiaries and affiliated entities;
- (c) where, in accordance with Article I.3(c), the grant takes the form of a lump sum contribution, the lump sum specified in that Article for the corresponding beneficiaries and affiliated entities, subject to approval by the Agency of the proper implementation of the corresponding tasks or part of the action in accordance with Annex I;
- (d) where, in accordance with Article I.3(d), the grant takes the form of a flat-rate contribution, the amount obtained by applying the flat rate referred to in that Article to the eligible costs or to the contribution accepted by the Agency for the corresponding beneficiaries and affiliated entities.

Where Article I.3 provides for a combination of different forms of grant, these amounts shall be added.

II.25.2 Maximum amount

The total amount paid to the beneficiaries by the Agency may in no circumstances exceed the maximum amount specified in Article I.3.

Where the amount determined in accordance with Article II.25.1 exceeds this maximum amount, the final amount of the grant shall be limited to the maximum amount specified in Article I.3.

II.25.3 No-profit rule and taking into account of receipts

II.25.3.1 The grant may not produce a profit for the beneficiaries, unless specified otherwise in the Special Conditions. "Profit" shall mean a surplus of the receipts over the eligible costs of the action.

II.25.3.2 The receipts to be taken into account are the consolidated receipts established, generated or confirmed on the date on which the request for payment of the balance is drawn up by the coordinator, which fall within one of the following two categories:

- (a) income generated by the action; or
- (b) financial contributions specifically assigned by the donors to the financing of the eligible costs of the action reimbursed by the Agency in accordance with Article I.3(a)(i).

II.25.3.3 The following shall not be considered as receipts to be taken into account for the purpose of verifying whether the grant produces a profit for the beneficiaries:

- (a) financial contributions referred to in point (b) of Article II.25.3.2, which may be used by the beneficiaries to cover costs other than the eligible costs under the Agreement;
- (b) financial contributions referred to in point (b) of Article II.25.3.2, the unused part of which is not due to the donors at the end of the period set out in Article I.2.2.

II.25.3.4 The eligible costs to be taken into account are the consolidated eligible costs approved by the Agency for the categories of costs reimbursed in accordance with Article I.3(a).

II.25.3.5 Where the final amount of the grant determined in accordance with Articles II.25.1 and II.25.2 would result in a profit for the beneficiaries, the profit shall be deducted in proportion to the final rate of reimbursement of the actual eligible costs of the action approved by the Agency for the categories of costs referred to in Article I.3(a)(i). This final rate shall be calculated on the basis of the final amount of the grant in the form referred to in Article I.3(a)(i), as determined in accordance with Articles II.25.1 and II.25.2.

II.25.4 Reduction for poor, partial or late implementation

If the action is not implemented or is implemented poorly, partially or late, the Agency may reduce the grant initially provided for, in line with the actual implementation of the action according to the terms laid down in the Agreement.

ARTICLE II.26 – RECOVERY

II.26.1 Recovery at the time of payment of the balance

Where the payment of the balance takes the form of a recovery, the coordinator shall repay the Agency the amount in question, even if it has not been the final recipient of the amount due.

II.26.2 Recovery after payment of the balance

Where an amount is to be recovered in accordance with Articles II.27.6, II.27.7 and II.27.8, the beneficiary concerned by the audit or OLAF findings shall repay the Agency the amount in question. Where the audit findings do not concern a specific beneficiary, the coordinator shall repay the Agency the amount in question, even if it has not been the final recipient of the amount due.

Each beneficiary shall be responsible for the repayment of any amount unduly paid by the Agency as a contribution towards the costs incurred by its affiliated entities.

II.26.3 Recovery procedure

Before recovery, the Agency shall formally notify the beneficiary concerned of its intention to recover the amount unduly paid, specifying the amount due and the reasons for recovery and inviting the beneficiary to make any observations within a specified period.

If no observations have been submitted or if, despite the observations submitted by the beneficiary, the Agency decides to pursue the recovery procedure, the Agency may confirm recovery by formally notifying to the beneficiary a debit note (“debit note”), specifying the terms and the date for payment.

If payment has not been made by the date specified in the debit note, the Agency shall recover the amount due:

- (a) by offsetting it against any amounts owed to the beneficiary concerned by the Union or the European Atomic Energy Community (Euratom) (“offsetting”); in exceptional circumstances, justified by the necessity to safeguard the financial interests of the Union, the Agency may recover by offsetting before the due date; the beneficiary’s prior consent shall not be required; an action may be brought against such offsetting before the General Court of the European Union pursuant to Article 263 TFEU;

- (b) by drawing on the financial guarantee where provided for in accordance with Article I.4.1 ("drawing on the financial guarantee");
- (c) by holding the beneficiaries jointly and severally liable up to the value of the contribution that the beneficiary held liable is entitled to receive. This contribution shall be that indicated in the estimated budget breakdown as set out in Annex III as last amended;
- (d) by taking legal action in accordance with Article II.18.2 or with the Special Conditions or by adopting an enforceable decision in accordance with Article II.18.3.

For the purposes of point (c) of the third subparagraph, the beneficiaries shall not be jointly and severally liable for financial penalties which could be imposed on any defaulting beneficiary in accordance with Article II.17.

II.26.4 Interest on late payment

If payment has not been made by the date set out in the debit note, the amount due shall bear interest at the rate established in Article II.24.8. Interest on late payment shall cover the period running from the day following the due date for payment, up to and including the date when the Agency and/or the Commission actually receives payment in full of the outstanding amount.

Any partial payment shall first be appropriated against charges and interest on late payment and then against the principal.

II.26.5 Bank charges

Bank charges incurred in connection with the recovery of the sums owed to the Agency and/or the Commission shall be borne by the beneficiary concerned except where Directive 2007/64/EC of the European Parliament and of the Council of 13 November 2007 on payment services in the internal market amending Directives 97/7/EC, 2002/65/EC, 2005/60/EC and 2006/48/EC and repealing Directive 97/5/EC applies.

ARTICLE II.27 – CHECKS, AUDITS AND EVALUATION

II.27.1 Technical and financial checks, audits, interim and final evaluations

The Agency and/or the Commission may carry out technical and financial checks and audits in relation to the use of the grant. It may also check the statutory records of the beneficiaries for the purpose of periodic assessments of lump sum, unit cost or flat-rate amounts.

Information and documents provided in the framework of checks or audits shall be treated on a confidential basis.

In addition, the Agency and/or the Commission may carry out interim or final evaluation of the impact of the action measured against the objective of the Union programme concerned.

Checks, audits or evaluations made by the Agency and/or the Commission may be carried out either directly by its own staff or by any other outside body authorised to do so on its behalf.

Such checks, audits or evaluations may be initiated during the implementation of the Agreement and for a period of five years starting from the date of payment of the balance. This period shall be limited to three years in case the maximum amount specified in Article I.3 is not more than EUR 60 000.

The check, audit or evaluation procedure shall be deemed to be initiated on the date of receipt of the letter of the Agency or the Commission announcing it.

II.27.2 Duty to keep documents

The beneficiaries shall keep all original documents, especially accounting and tax records, stored on any appropriate medium, including digitalised originals when they are authorised by their respective national law and under the conditions laid down therein, for a period of five years starting from the date of payment of the balance.

This period shall be limited to three years if the maximum amount specified in Article I.3 is not more than EUR 60 000.

The periods set out in the first and second subparagraphs shall be longer if there are on-going audits, appeals, litigation or pursuit of claims concerning the grant, including in the case referred to in Article II.27.7. In such cases, the beneficiaries shall keep the documents until such audits, appeals, litigation or pursuit of claims are closed.

II.27.3 Obligation to provide information

Where a check, audit or evaluation is initiated before the payment of the balance, the coordinator shall provide any information, including information in electronic format, requested by the Agency and/or Commission or by any other outside body authorised by it. Where appropriate, the Agency and/or the Commission may request such information to be provided directly by a beneficiary.

Where a check or audit is initiated after payment of the balance, such information shall be provided by the beneficiary concerned.

In case the beneficiary concerned does not comply with the obligations set out in the first and second subparagraphs, the Agency and/or the Commission may consider:

- (a) any cost insufficiently substantiated by information provided by the beneficiary as ineligible;
- (b) any unit, lump sum or flat-rate contribution insufficiently substantiated by information provided by the beneficiary as undue.

II.27.4 On-the-spot visits

During an on-the-spot visit, the beneficiaries shall allow Agency and/or Commission staff and outside personnel authorised by the Agency and/or by the Commission to have access to the sites and premises where the action is or was carried out, and to all the necessary information, including information in electronic format.

They shall ensure that the information is readily available at the moment of the on-the-spot visit and that information requested is handed over in an appropriate form.

In case the beneficiary concerned refuses to provide access to the sites, premises and information in accordance with the first and second subparagraphs, the Agency and/or the Commission may consider:

- (a) any cost insufficiently substantiated by information provided by the beneficiary as ineligible;
- (b) any unit, lump sum or flat-rate contribution insufficiently substantiated by information provided by the beneficiary as undue.

II.27.5 Contradictory audit procedure

On the basis of the findings made during the audit, a provisional report ("draft audit report") shall be drawn up. It shall be sent by the Agency and/or the Commission or its authorised representative to the beneficiary concerned, which shall have 30 days from the date of receipt to submit observations. The final report ("final audit report") shall be sent to the beneficiary concerned within 90 days of expiry of the time limit for submission of observations, unless the observations submitted by the beneficiary lead to further audit work, checks or discussions by the Agency and/or the Commission or its authorised representative.

II.27.6 Effects of audit findings

On the basis of the final audit findings, the Agency and/or the Commission may take the measures which it considers necessary, including recovery at the time of payment of the balance or after payment of the balance of all or part of the payments made by it, in accordance with Article II.26.

In the case of final audit findings made after the payment of the balance, the amount to be recovered shall correspond to the difference between the revised final amount of the grant, determined in accordance with Article II.25, and the total amount paid to the beneficiaries under the Agreement for the implementation of the action.

II.27.7 Correction of systemic or recurrent errors, irregularities, fraud or breach of obligations

II.27.7.1 The Agency and/or the Commission may take all measures which it considers necessary, including recovery at the time of payment of the balance or after payment of the balance of all or part of the payments made by it under the Agreement, in accordance with Article II.26, where the following conditions are fulfilled:

- (a) the beneficiary is found, on the basis of an audit of other grants awarded to it under similar conditions, to have committed systemic or recurrent errors, irregularities, fraud or breach of obligations that have a material impact on this grant; and
- (b) the final audit report containing the findings of the systemic or recurrent errors, irregularities, fraud or breach of obligations is received by the beneficiary within the period referred to in Article II.27.1.

II.27.7.2 The Agency and/or the Commission shall determine the amount to be corrected under the Agreement:

- (a) wherever possible and practicable, on the basis of costs unduly declared as eligible under the Agreement.

For that purpose, the beneficiary concerned shall revise the financial statements submitted under the Agreement taking account of the findings and resubmit them to the Agency and/or the Commission within 60 days from the date of receipt of the final audit report containing the findings of the systemic or recurrent errors, irregularities, fraud or breach of obligations.

In the case of systemic or recurrent errors, irregularities, fraud or breach of obligations found after the payment of the balance, the amount to be recovered shall correspond to the difference between the revised final amount of the grant, determined in accordance with Article II.25 on the basis of the revised eligible costs declared by the beneficiary and approved by the Agency and/or by the Commission, and the total amount paid to the beneficiaries under the Agreement for the implementation of the action;

- (b) where it is not possible or practicable to quantify precisely the amount of ineligible costs under the Agreement, by extrapolating the correction rate applied to the eligible costs for the grants for which the systemic or recurrent errors or irregularities have been found.

The Agency and/or the Commission shall formally notify the extrapolation method to be applied to the beneficiary concerned, which shall have 60 days from the date of receipt of the notification to submit observations and to propose a duly substantiated alternative method.

If the Agency and/or the Commission accepts the alternative method proposed by the beneficiary, it shall formally notify the beneficiary concerned thereof and determine the revised eligible costs by applying the accepted alternative method.

If no observations have been submitted or if the Agency and/or the Commission does not accept the observations or the alternative method proposed by the beneficiary, the Agency and /or the Commission shall formally notify the beneficiary concerned thereof and determine the revised eligible costs by applying the extrapolation method initially notified to the beneficiary.

In the case of systemic or recurrent errors, irregularities, fraud or breach of obligations found after the payment of the balance, the amount to be recovered shall correspond to the difference between the revised final amount of the grant, determined in accordance with Article 11.25 on the basis of the revised eligible costs after extrapolation, and the total amount paid to the beneficiaries under the Agreement for the implementation of the action; or

- (c) where ineligible costs cannot serve as a basis for determining the amount to be corrected, by applying a flat rate correction to the maximum amount of the grant specified in Article 1.3 or part thereof, having regard to the principle of proportionality.

The Agency and/or the Commission shall formally notify the flat rate to be applied to the beneficiary concerned, which shall have 60 days from the date of receipt of the notification to submit observations and to propose a duly substantiated alternative flat rate.

If the Agency and/or the Commission accepts the alternative flat rate proposed by the beneficiary, it shall formally notify the beneficiary concerned thereof and correct the grant amount by applying the accepted alternative flat rate.

If no observations have been submitted or if the Agency and/or the Commission does not accept the observations or the alternative flat rate proposed by the beneficiary, the Agency and/or the Commission shall formally notify the beneficiary concerned thereof and correct the grant amount by applying the flat rate initially notified to the beneficiary.

In the case of systemic or recurrent errors, irregularities, fraud or breach of obligations found after the payment of the balance, the amount to be recovered shall correspond to the difference between the revised final amount of the grant after flat-rate correction and the total amount paid to the beneficiaries under the Agreement for the implementation of the action.

II.27.8 Checks and inspections by OLAF

The European Anti-Fraud Office (OLAF) shall have the same rights as the Agency and the Commission, notably right of access, for the purpose of checks and investigations.

By virtue of Council Regulation (Euratom, EC) No 2185/96 of 11 November 1996 concerning on-the-spot checks and inspections carried out by the Commission in order to protect the European Communities' financial interests against fraud and other irregularities and Regulation (EU, EURATOM) No 883/2013 of the European Parliament and the Council of 11 September 2013 concerning investigations conducted by the European Anti-Fraud Office (OLAF), OLAF may also carry out on-the-spot checks and inspections in accordance with the procedures laid down by Union law for the protection of the financial interests of the Union against fraud and other irregularities.

Where appropriate, OLAF findings may lead to recovery by the Agency and/or the Commission.

II.27.9 Checks and audits by the European Court of Auditors

The European Court of Auditors shall have the same rights as the Agency and the Commission, notably right of access, for the purpose of checks and audits.

ANNEX III

ESTIMATED BUDGET OF THE ACTION

ANNEX III: ESTIMATED BUDGET OF THE ACTION

		Maximum unit costs per candidate			Maximum amount per scholarship type	Number of scholarships	Estimated EU grant per scholarship type
Scholarship type	Contribution to participation costs	Contribution to travel & installation costs	Contribution to subsistence costs				
Programme Country scholarship	6.000 €	2.000 €	24.000 €	32.000 €	11	352.000 €	
Partner Country scholarship	6.000 €	7.000 €	24.000 €	37.000 €	34	1.258.000 €	
Contribution to management costs and scholars' mobility							170.000 €
Total Heading 1							1.780.000 €
ENI	ENI East	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	ENI South	6.000 €	7.000 €	24.000 €	37.000 €		0 €
Total ENI							0 €
DCI	Asia – LDC countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	Asia – remaining countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	Central Asia – L-LMI countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	Central Asia – remaining countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	Latin America – LMI countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	Latin America – Brazil and Mexico	6.000 €	7.000 €	24.000 €	37.000 €	1	37.000 €
	Latin America – remaining countries	6.000 €	7.000 €	24.000 €	37.000 €	2	74.000 €
	Middle East	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	Middle East – Iran	6.000 €	7.000 €	24.000 €	37.000 €		0 €
	South Africa	6.000 €	7.000 €	24.000 €	37.000 €		0 €
Total DCI							111.000 €
PI	Gulf countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
Total Heading 4 (ENI + DCI + PI)							111.000 €
EDF	ACP countries	6.000 €	7.000 €	24.000 €	37.000 €		0 €
MAXIMUM EU GRANT							1.891.000 €

ANNEX IV

**LIST OF BENEFICIARIES AND MANDATES
PROVIDED TO THE COORDINATOR BY THE OTHER BENEFICIARIES**

**UNIVERSIDAD AUTONOMA DE MADRID
SPAIN**

**UNIVERSIDAD COMPLUTENSE DE MADRID
SPAIN**

**UNIVERSIDAD DE SALAMANCA
SPAIN**

**UNIVERSITA DEGLI STUDI DI CATANIA
ITALY**

**UNIVERSITA DEGLI STUDI DI PADOVA
ITALY**

**UNIVERSITAT DE BARCELONA
SPAIN**

**UNIVERSITE DE CAEN NORMANDIE
FRANCE**

► To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,

Amaya MENDIKOETXEA PELAYO, Pro Vice-Chancellor for International Relations,

representing,

Universidad Autónoma de Madrid, Spain , UAM

Ciudad Universitaria de Cantoblanco

C/ Einstein 5

28049 Madrid - España

VAT Number - 2818013A,

hereinafter referred to as "the beneficiary",

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled **ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS – NUPHYS** and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency")

hereby:

1. Mandate

Universidad de Sevilla (US)

C/San Fernando, 4, 41004 SEVILLA - ESPAÑA

VAT Number - Q-4118001-1,

represented by **Miguel Ángel CASTRO ARROYO, Rector**

hereinafter referred to as "the coordinator"

to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

2. Mandate the coordinator to act on behalf of the beneficiary in compliance with the grant agreement.

I hereby confirm that the beneficiary accepts all terms and conditions of the grant agreement and, in particular, all provisions affecting the coordinator and the other beneficiaries. In particular, I acknowledge that, by virtue of this mandate, the coordinator alone is entitled to receive funds from the Agency and distribute the amounts corresponding to the beneficiary's participation in the action.

I hereby accept that the beneficiary will do everything in its power to help the coordinator fulfil its obligations under the grant agreement, and in particular, to provide to the coordinator, on its request, whatever documents or information may be required.

I hereby declare that the beneficiary agrees that the provisions of the grant agreement, including this mandate, shall take precedence over any other agreement between the beneficiary and the coordinator which may have an effect on the implementation of the grant agreement.

Subject to selection for a grant award, a copy of this mandate shall be annexed to the grant agreement signed between the coordinator and the Agency and shall form an integral part thereof.



Amaya MENDIKOETXEA PELAYO, Vice-Chancellor for International Relations

Madrid, 04/02/2016

To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,

Isabel Durán Giménez-Rico

representing,

Universidad Complutense de Madrid (UCM)

Pabellón de Gobierno

C/ Isaac Peral s/n

28015 MADRID

ESQ28180141

hereinafter referred to as "the beneficiary",

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled *Erasmus Mundus Joint Master Degree on Nuclear Physics - NuPhys* and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency")

hereby:

1. Mandate

Universidad de Sevilla [US]

C/ San Fernando 4, 41004 Sevilla - SPAIN

Q-4118001-1.

represented by Miguel Ángel Castro Arroyo, as Rector and legal representative of the applicant organisation hereinafter referred to as "the coordinator" to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

2. Mandate the coordinator to act on behalf of the beneficiary in compliance with the grant agreement.

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SIGNATURE

Isabel Durán Giménez-Rico, *Vice-Rector for International Affairs and Cooperation*

[signature]

Done at Madrid, February 8th 2016



To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,

[M^a Ángeles Serrano García of the legal representative of the future beneficiary signing this mandate],

representing,

Universidad de Salamanca [USAL]

[Public University]

[official registration N° – not applicable for a public-sector body]

[Patio de Escuelas, 1, 37008 Salamanca]

[VAT number Q3718001E,

hereinafter referred to as "the beneficiary",

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled *Erasmus Mundus Joint Master Degree on Nuclear Physics – NuPhys* and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency")

hereby:

1. Mandate

Universidad de Sevilla [US]

C/ San Fernando 4, 41004 Sevilla - SPAIN

Q-4118001-I,

represented by Miguel Ángel Castro Arroyo, as Rector and legal representative of the applicant organisation hereinafter referred to as "the coordinator" to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

2. Mandate the coordinator to act on behalf of the beneficiary in compliance with the grant agreement.

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SIGNATURE

M^a Ángeles Serrano García, Vice-Chancellor for Internationalisation

[signature]

Done at Salamanca, 10/02/2016

2016 EMJMD - Mandate granting power of attorney to the coordinator

To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,

Prof. Giacomo PIGNATARO of the legal representative of the future beneficiary signing this mandate, representing,

Università degli Studi di Catania of the future beneficiary - UniCT

Piazza Università, 2, I-95131 Catania (Italy)

VAT number: 02772010878,

hereinafter referred to as "the beneficiary".

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled (EMJMD Erasmus Mundus Joint Degree NUCLEAR PHYSICS - NUPHYS and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency")

hereby:

1. Mandate

UNIVERSIDAD DE SEVILLA of the applicant organisation US

C/ San Fernando, 4, 41004 SEVILLA - ESPAÑA

Q-1118011-1,

represented by Antonio Ramirez de Arellano López, and Rector of the legal representative of the applicant organisation)

hereinafter referred to as "the coordinator"

to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

2. Mandate the coordinator to act on behalf of the beneficiary in compliance with the grant agreement.

I hereby confirm that the beneficiary accepts all terms and conditions of the grant agreement and, in particular, all provisions affecting the coordinator and the other beneficiaries. In particular, I acknowledge that, by virtue of this mandate, the coordinator alone is entitled to receive funds from the Agency and distribute the amounts corresponding to the beneficiary's participation in the action.

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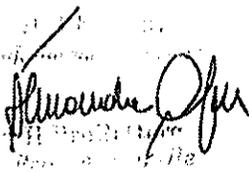
SIGNATURE

Giacomo PIGNATARO, and function of the legal representative of the mandating beneficiary

[signature]

Done at Catania, [date]

11/02/2016



To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,
Prof. Rosario RIZZUTO,
representing,

Università degli Studi di Padova [UNIPD]
via 8 Febbraio, 2
35122 Padova
Italy
VAT number 00742430283,

hereinafter referred to as "the beneficiary",

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled *Erasmus Mundus Joint Master Degree on Nuclear Physics - NuPhys* and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency")

hereby:

1. Mandate

Universidad de Sevilla [US]
C/ San Fernando 4, 41004 Sevilla - SPAIN
Q-4118001-1,

represented by Miguel Ángel Castro Arroyo, as Rector and legal representative of the applicant organisation hereinafter referred to as "the coordinator" to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

2. Mandate the coordinator to act on behalf of the beneficiary in compliance with the grant agreement.

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SIGNATURE

Prof. Rosario RIZZUTO, Rector



Done at Padova, 7th FEB. 2016



To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,

Dra. María R. Callejón Fornieles,

representing,

UNIVERSITAT DE BARCELONA (UB)

Public body

official registration N° 004

Gran Via de les Corts Catalanes, 585, 08007, Barcelona, Spain

Q-0818001J,

hereinafter referred to as "the beneficiary",

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled [ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS-NUPHYS] and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency")

hereby:

1. Mandate

[UNIVERSIDAD DE SEVILLA] [US]

[official legal status or form – not applicable for a public-sector body]

[official registration N° – not applicable for a public-sector body]

[c/San Fernando4, 41004, Sevilla, Spain]

[Q-4118001-I],

represented by [Antonio Ramirez de Arellano López, and Rector of the legal representative of the applicant organisation]

hereinafter referred to as "the coordinator"

to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

2. Mandate the coordinator to act on behalf of the beneficiary in compliance with the grant agreement.

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SIGNATURE

Dra. María R. Callejón Fornieles, Vice-rector for International Policy



[signature]

Done at Barcelona, 09/02/2016

To be signed by the person authorised to enter into legally binding commitments on behalf of the future beneficiary

MANDATE

I, the undersigned,
Nathalie Hauchard-Seguin
representing,

[Université de Caen Normandie] [UNICAEN]

[official legal status or form – not applicable for a public-sector body]
[official registration N° – not applicable for a public-sector body]
[Esplanade de la Paix – CS14032 – 14032 Caen cedex 5]

[FR36191414085],

hereinafter referred to as "the beneficiary",

for the purposes of submitting the proposal for the Erasmus Mundus Joint Master Degree project entitled *Erasmus Mundus Joint Master Degree on Nuclear Physics – NuPhys* and if selected for funding, the signature and the implementation of the related multiple beneficiaries grant agreement (hereinafter referred to as "the grant agreement") with the Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency"),

Hereby:

1. Mandate

Universidad de Sevilla [US]

C/ San Fernando 4, 41004 Sevilla - SPAIN

Q-4118001-1,

represented by Miguel Ángel Castro Arroyo, as Rector and legal representative of the applicant organisation hereinafter referred to as "the coordinator" to sign in my name and on my behalf the grant agreement and its possible subsequent amendments with the Agency.

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Subject to selection for a grant award, a copy of this mandate shall be annexed to the grant agreement signed between the coordinator and the Agency and shall form an integral part thereof.

SIGNATURE

[Nathalie Hauchard-Seguin, Director General of Administration]

[signature]

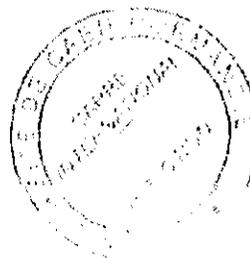
Done at [Caen], [08/02/2016]

PT 10 11

Nathalie

Director,
GRO

UNICAEN



ANNEX V

MODEL TECHNICAL REPORT

The templates of technical reports to be used are available online at the following address:

http://eacea.ec.europa.eu/erasmus-plus/beneficiaries-space_en

ANNEX VI

MODEL FINANCIAL STATEMENT

The templates of financial statements to be used are available online at the following address:

http://cacea.ec.europa.eu/erasmus-plus/beneficiaries-space_en

ANNEX VII

**MODEL TERMS OF REFERENCE FOR THE CERTIFICATE
ON THE FINANCIAL STATEMENTS AND UNDERLYING ACCOUNTS**

[NOT APPLICABLE]

ANNEX IX

MINIMUM REQUIREMENTS FOR THE HEALTH AND ACCIDENT INSURANCE COVERAGE OF EMJMD STUDENTS

The document is available online at the following address:

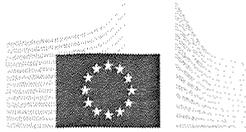
http://eacea.ec.europa.eu/erasmus-plus/beneficiaries-space_en

ANNEX X

**MINIMUM REQUIREMENTS AND RECOMMENDATIONS FOR STUDENT SELECTION & SCHOLARSHIP
MANAGEMENT**

The document is available online at the following address:

http://cacea.ec.europa.eu/erasmus-plus/beneficiaries-space_en



Education, Audiovisual and Culture Executive Agency

Erasmus+: Higher Education – Erasmus Mundus Joint Master Degrees

Brussels, 13. 07. 2016
EACEA/A3/KH/ (2016) 574488

Dr. Miguel Ángel Castro Arroyo
UNIVERSIDAD DE SEVILLA
CALLE S. FERNANDO 4
ES - 41004 SEVILLA
España

Subject: Erasmus+: Key Action 1 – Erasmus Mundus Joint Master Degrees (EMJMDs)
Call for proposals 2016 (EAC/A04/2015)

Title: ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS

Ref.: 574488-EPP-1-2016-1-ES-EPPKA1-JMD-MOB
(Please quote this number in all correspondence)

Dear Dr. Miguel Ángel Castro Arroyo,

You have submitted an application to the Erasmus+ programme, 2016 call for proposals for the Action specified above. The call for proposals closed on 18 February 2016. The Education, Audiovisual and Culture Executive Agency (EACEA) received **89** eligible applications for this call.

I am writing to inform you about the selection decision taken by the Head of Department of the Executive Agency, acting in her capacity as authorising officer, based on the recommendations of an Evaluation Committee assisted by external experts, who had assessed your application against the award criteria specified in the call for proposals. The selection decision is based on the quality of the proposal, its relative position in comparison with the other proposals submitted and the budget available. Applications were assessed on a scale from 0 to 100 points and were ranked according to merit.

As a result, given the available budget, the funding threshold has been set at **78/100 points**.

I am pleased to inform you that your application has been selected for EU co-funding. It received **78,5/100 points**. For your information, out of the 89 eligible applications, **27** have been selected for funding, and **3** have been placed in a reserve list.

The list of all selected projects will be published on the following website of the Executive Agency when all applicants have been notified about the selection results:

http://eacea.ec.europa.eu/erasmus-plus/selection-results_en

Attached to this letter you will find an evaluation report based on the opinion of the external experts. Please take into account that most of the evaluation reports were written by non-native speakers. The Executive Agency will not elaborate further on these assessments.

The maximum amount of funding to be awarded to your project is **1.891.000 EUR**.

Please note that taking into account the total number of scholarship requests received and the budget available, the number of scholarships you have applied for has been revised and corresponds to **45 Heading 1 EMJMD scholarships (11 Programme Country + 34 Partner Country)** and **3 Heading 4 EMJMD scholarships**.

The process of awarding a grant can only be finalised once the Executive Agency has received and validated the **Bank Account File (BAF)** as requested in Annex 2. The BAF must be submitted within a period of 10 working days from the date of receipt of this letter and be sent to the functional mailbox:

EACEA-EPLUS-EMJMD@ec.europa.eu

In addition, your organisation's data and your **Participant Identification Code (PIC)** need to be validated before the Executive Agency can grant you EU-funding (see Annex 3). In case your organisation holds a validated PIC, the PIC validation process is not relevant for your organisation.

Furthermore, it is very important that you provide us with the link to your EMJMD project website as soon as this is available, so that this link can also be published on the Executive Agency's website. If you have amendments to make to the project description after publication, please let us know via the above-mentioned EMJMD functional mailbox.

The Executive Agency organises a kick-off meeting for newly selected projects every year. We would like to inform you about the organisation of the 2016 EMJMDs Coordinators' meeting, which will take place in Brussels during two consecutive days around mid-November. Your travel and accommodation costs should be covered from the project management lump-sum, subject to the signature of the Grant Agreement. Please note that for organisational reasons we cannot allow the participation of more than two representatives of your project. A full programme of the event and practical information will follow in due time.

This letter does not represent a financial or legal commitment of the Executive Agency. The offer of an award is confirmed only when the legal representative of the Executive Agency signs the Grant Agreement associated with this application.

Please do not hesitate to contact us should you have any further questions.

Yours sincerely,



Klaus HAUPT
Head of Unit

Annexes:

- Annex 1: Evaluation report – Comments from the external experts who assessed your proposal
- Annex 2: Bank Account file: Financial Identification Form (FIF)
- Annex 3: Information for applicants about PIC validation process (if relevant)

Cc: (by email) **Dr. José Miguel Arias Carrasco**
ariasc@us.es

Proposal number:	574488-EPP-1-2016-1-ES-EPPKA1-JMD-MOB574488-EPP-1-2016-1-ES-EPPKA1-JMD-MOB
Proposal title:	ERASMUS MUNDUS MASTER JOINT DEGREE NUCLEAR PHYSICS
Applicant organisation:	UNIVERSIDAD DE SEVILLA
Contact person:	José Miguel Arias Carrasco

Award Criteria	Score:	78,5/100
-----------------------	---------------	-----------------

A.1 Relevance of the project

The proposed EMJMD aims at offering an effective training in the field of Nuclear Physics, thanks to a consortium of 8 Partner organisations that are highly experienced HEIs, and a wide range of important research facilities. The programme foresees the involvement of many other stakeholders, which have provided letters of intent. The Consortium has been built by adding three partners to an existing, fully Spanish Consortium having the same training and research objectives. Although this represents a concrete basis for the proposed programme, it is not made clear how far the three new partners have been involved in the programme construction. This possible lack of integration is reinforced by the fact that most common actions, on which the Consortium has committed itself, are to start at the beginning of the project, but not before. This could also explain some asymmetry in the course structure, particularly the fact that it is not possible to spend the last semester in France for thesis work. Still, a number of jointness elements are described in the application. The proposed managing scheme and the role of the partner institutions are adequate. In its structure, the course has been clearly designed in order to exploit well the specific research and educational competencies of the partners, complemented by the opportunities for in-depth analysis and research made possible by the associated partners.

The curriculum has been merged in the degree catalogues of partners, and some of the courses in the curriculum are offered also to the local students. Presently the Universities participating to the consortium can only provide multiple degrees, with each University being able to award its own Master. A diploma supplement would also be awarded. The Consortium is committed, as also indicated in the Consortium Agreement, to pursue the objective of awarding a Joint Master Degree, and provides adequate information about the legislative background for the implementation of its accreditation. The proposal makes a clear analysis of needs, which are very wide and cover a broad range of applications. This analysis is supported by documents issued by scientific associations and it appears crucial to maintain and develop an adequate workforce of well trained specialists in the field. As these needs include nuclear safety and involve large and costly infrastructure, European funding is fully relevant and even necessary. The comparison with other existing Masters shows that one of them is devoted mostly to Nuclear Fusion, and very appropriately the current proposal would deal with this topic only marginally. The other initiative discussed, TALENT, devoted to low-energy nuclear theory, partially overlaps with the proposed master, and it makes sense to exploit this overlap by means of an agreement, which would result into a joint module, as proposed and documented in a letter of intent by TALENT coordinator. However, a more extensive comparison with possible educational offers outside Europe would have been useful to place the proposal in a wider context.

The proposal describes in detail the contents of the programme and the different training paths that are offered, both in terms of contents and location. They appear to cover adequately the needs both of industry and of research, as intended. The offer of both a general training and three specialization tracks well focused on Nuclear Physics contributes significantly to the attractiveness of the EHEA. However a solid marketing plan showing how the new students are reached is not clearly provided.

The learning outcomes of the Master are spelled out in detail, and are consistent with the proposed programme. Mobility is a key element of the programme as all paths require to study at different places. Teaching would be in English, or local language, in which case they would have language courses. This is good for multicultural education, but may be viewed as a difficulty by foreign

students. The proposed project would clearly benefit from mobility and collaboration between partners, to enhance internationalisation of the involved HEIs and give an international dimension to the students career. The student mobility is a core issue and well described in the application, including aspects of cultural awareness and linguistic performance. The mobility plan for scholars and administrative staff is included in the application, which is very positive. However the Consortium is strongly centered on Spain and does not cover a large geographical region.

B.1 Quality of the project design and implementation

The design of the Master curriculum is traditional, with a sequential development through modules, and is appropriate to deliver the academic content for the three possible specialisations. It is based on already existing education modules of the applicants, which are running since several years and therefore well established. However, the teaching approach and the learning methods are not discussed in a detailed way, and are not particularly innovative. There is also no clear explanation of the lesser contribution of the French partner to the teaching. The proposal makes a lengthy description of the joint evaluation process, with a procedure to harmonize the grading and a translation into ECTS. The quality assurance foresees both internal and external evaluation processes, which are well described and are fully convincing. The course elements to be evaluated are clearly identified and also the methodology of the evaluation is discussed in adequate detail. A Quality Committee would be in charge of internal quality assessment, mostly based on feedback from the participants, not only students but also people involved in the teaching process as well as Alumni and other specialists. It would also rely on the quality plans of each institution. External evaluation would be performed by an external international committee, who have listed objectives. It may be however somewhat inefficient that the same internal Quality Committee defines the corrective actions in response to the external evaluation. The student mobility is clearly defined for each path, and would successively send the students to the three partners countries. It is well motivated by the course objectives, and affords different specializations by exploiting the academic specializations of the partners and the availability of laboratories and facilities. All students of a cohort would meet in S3 in France, which is positive but not shown to be fully exploited. In addition, visits to facilities at various places are also to be organised. Academic induction is briefly discussed, and is a responsibility of the local coordinator who would provide initial orientation, and tutoring and support during the semester. More information would have been necessary about the involvement of visiting scholars and guest lecturers.

Full information about the EMJMD is to be provided through various internet communication tools, and documents such as the Student's Handbook that would be downloadable from the web site, which is under construction and is to be dedicated to the academic staff, students and other participants. The handbook would provide adequate information about the Master, including details about the study programme, the procedures for enrolment, the services offered and the financial aspects, and the managerial structure. Support to the students would be harmonized among the partners to offer similar high quality services before, during and at the end of the stay. Services including assistance for administrative issues and accommodation, as well as all kinds of equity issues, are explained in great detail, giving a very positive picture of the supporting services. All partners offer local language training, but in different form. It is not specified if they would all be free.

Insurance is to be provided by the programme, and satisfies the "Minimum Requirements" defined by the Erasmus Programme. Student rights and obligations are fully described and reported in the Student Agreement to be signed by both the students and the EMJMD coordinator. A draft Student Agreement is provided in Annex 5 and contains the needed information, including the financial information about the management of the scholarships towards the student. The same student agreement provides the main rules of the programme: what is required to pass a course, how internships are regulated, how thesis work and defence is arranged. It can be appreciated that explicit provisions are foreseen for the amicable resolution of conflicts; however, the complete exemption of the consortium from any responsibility in case of accidents or injuries related to the activities is an unfair clause.

Networking of the EMJMD students would be set up through Students and Alumni associations that would be strongly encouraged by the Consortium. In addition, the common semester at Caen for all students of one cohort would develop their interaction. Welcome sessions would be organized to introduce the students to the local culture and society. The measures for exposing the students to the professional environment are convincing, particularly the two-month internship during the 3rd semester, the common advanced course delivered by professionals from associated partners, and the 4th semester dedicated to the Master thesis outside academia.

The proposal outlines clearly the interaction between the proposed EMJMD and main Nuclear Physics facilities in Europe as non-educational actors in course planning process as well as implementation. They are offering internships and taking active roles in the management of the programme via Academic and Quality committees. Non-educational actors also contribute to the employability, though the claim that the links established with the consortium will guarantee the sustainability of the Master beyond EU funding is not sufficiently justified in detail.

B.2 Quality of the project team and the cooperation arrangements

The proposal describes the expertise of each partner, which is appropriate for the programme objectives. It also explains why and how they are complementary. A list of experts involved in the programme is provided for each institution and appear to be sufficiently qualified.

With some of the participants having a common history of cooperation in a previous Interuniversity Master in Nuclear Physics in Spain, the added value of the proposed EMJMD is having three more European Universities in the consortium with large-scale nuclear research facilities.

In view of the large spectrum of competences already available in the consortium, the proposal fails to clarify the added value brought by visiting scholars, besides their contribution to networking.

The proposal describes adequately the institutional commitment of each partner, specifies their role and tasks in the EMJMD implementation. Except for the coordinator, who has a specific role, all partners have the same contribution to the programme implementation, by equal participation to the different committees for the management, recruitment, administration and quality. The roles of these committees - the Academic Committee, the NuPhys Secretariat (or executive board), a Selection Committee and a Quality Committee- are reasonable and some of them, as appropriate to the task assigned, involve the associated partners and the students in an adequate way.

It is noted, however, that these governing and management structures do not fully correspond to what is described in the annexed draft Consortium Agreement, where fewer tasks are listed and only one Committee, the Board of Management, is introduced. The application and selection procedure is described in clear and comprehensive terms and would be jointly performed by the consortium. Admission requirements, and a list of the documents required in the application procedure, are clearly stated. The examination and performance evaluation of students is discussed properly in a most convincing way. The proposal explains very well how the student participation costs have been calculated. However an inadequate description is given on how the financial resources are to be mobilised, allocated and managed within the partnership. Although complementary funding is mentioned, no estimations are made, what the sum might be and how it would be used. No significant evidence is provided of possible sources of income to be mobilised, beyond a generic reference to companies and associated partners.

B.3 Impact and dissemination

The proposal provides some financial projections about the possible evolution of the budget composition, particularly of the sources of income, after the end of the EU funding.

Although attracting a higher number of self-funded students and looking for complementary funding are clearly stated as necessary objectives, the proposal does not provide a sufficiently convincing plan for attaining them. A series of measures and conditions is proposed, which are based on public funding, partners contributions and companies. Although reasonable, these measures may not be sufficient and hold only a qualitative meaning. They are not translated in a true quantitative sustainability plan, which should assign to each prospected measure a tentative value in the budget.

The international nature of EMJMD is presented as the main force to promote the internationalisation of the partners, including towards relevant stakeholders with several examples and named stakeholders at national and European level. The proposal explains the strong expected impact toward internationalization by the involvement in the programme of the most important centers in the field. This also aims to introduce the students to a true international network which they should naturally tend to promote and develop. The impact on the industry, particularly if associated to the Master, may be substantial, thanks to the privileged access to high quality graduates.

The proposed programme is primarily oriented toward academia, preparing Students for a future PhD. As a consequence, although it is claimed in the proposal, there are little specific actions to prepare them to the private and/or applied sector. Most non-academic competencies would be acquired during the Internships. Still, the partner HEIs offer relevant training for developing the sense of initiative of the graduates and the curriculum contains several courses for improving student's competencies and skills for future employability in the fields of research, project management and education.

Furthermore, events to demonstrate the graduates' capacity to work in the domain of Nuclear Physics are inserted in the study path with strong involvement of the non-educational partners.

The presence of associated partners in the governing bodies of the Master and their participation to the implementation are a good guarantee that their needs would be taken into account and would lead to adaptation of the course contents. The application presents a solid marketing plan for attracting the excellent students worldwide via mass emailing, brochures in different languages and events. The promotion/dissemination methods and awareness-raising strategy of the programme via the networks of the partner organisations to target groups is described adequately to the concrete task level.

The targets of the promotion are sufficiently well identified and the promotion is effective towards universities and students, with the objective of attracting applications, but this is somewhat less credible as a way to attract the interest of potential sponsors. Some of the lectures are to be recorded and made available freely on the programme website. Materials of annual common course on hot topics related with Nuclear Physics co-organised with "TALENT"- consortium of European and Northern American institutions providing training to graduate students and young researchers in low-energy nuclear theory- would be made freely available through the NuPhys webpage as well as some recorded lectures. However the overall policy about "free to access" of the other teaching materials, finished thesis or other produced documents is not sufficiently discussed. The proposal does not present a clear strategy in terms of free access to the produced material.

C. Relevance of the project in the targeted region(s)

One partner has strong relationships with Latin America, through signed agreements with HEIs and participation to various networks and projects. These links may be efficient to attract students from this Region to the proposed Programme even if they are focused on topics quite distant from Nuclear Physics. This attractiveness is however limited by the fact that no other participant, or the EMJMD programme, is mentioned as actor.

Benefits would be important to students from these countries as there is no Master programme on Nuclear Physics there. However the added value to the programme itself could have been better addressed, although it can be guessed that, with regards to the multiple possible applications of Nuclear Physics in this Region, establishing strong links with future scientists in the field may be beneficial to the institutions. The programme's marketing, and the added value for the two sides, could have been better attested by including concrete examples of activities and methods.

Overall comments

This proposal arises from an existing joint national programme and is enlarged to three countries. This results in some unbalance between the previous, full Spanish consortium partners, and the newly added ones. The subject proposed is highly relevant for European education and more generally for science and economy. The partners are already in a position to award multiple degrees but are committed to accredit a joint degree. The needs in the field are clearly identified but comparison with educational offers outside Europe is not sufficiently developed. Academic programme and learning outcomes, discussed in a clear and comprehensive way, appear to be innovative and contribute to the attractiveness of the EHEA. The effects of the proposed EMJMD on the internationalisation of European education are quite positive. However the possibility of teaching some courses of the first semester in the local language could represent an unneeded obstacle in a Master mostly taught in English. The proposal presents a very well thought programme that fulfils most criteria. The excellence of the academic content is attested and quality assurance methods are mostly appropriate. The mobility is well motivated and instrumental to the objectives, though the role of visiting scholars should have been more extensively discussed. Course rules, student rights and obligations are outlined adequately. Information about the program, and integration of students are excellent. The partners carry considerable, complementary expertise and contribute the access to important facilities. However the financial management is not sufficiently detailed and the sustainability plan is not convincing. The program emphasises an academic ambition, and the involvement and benefit to the non-academic sector is rather weak. The promotion plan is quite strong, however much less so the dissemination plan, which is very limited.

Additional scholarships are limited. They are based on strong existing links with the targeted regions of one partner who has a wide and functional network, and thus dominating that section of the application.



MINISTERIO
DE EDUCACIÓN, CULTURA
Y DEPORTE



SECRETARÍA GENERAL DE UNIVERSIDADES

En cumplimiento de lo dispuesto en el artículo 40 de la Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas, le notifico que la Comisión de Verificación y Acreditación de Planes de Estudios del Consejo de Universidades, en el ejercicio de las competencias atribuidas por el artículo 25 del Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales, modificado por el Real Decreto 861/2010, de 2 de julio, y el artículo 12.2.a) del Reglamento del Consejo de Universidades, ha dictado la siguiente resolución:

"Vista la solicitud presentada para la verificación del plan de estudios conducente al título oficial de Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova(Italia), en la rama de conocimiento de Ciencias;

Tras comprobar que la propuesta del plan de estudios cuenta con la aprobación de la Comisión Europea, el Convenio correspondiente del consorcio, la carta de notificación de haber obtenido el sello Erasmus Mundus, así como un formulario adaptado que proporciona los datos necesarios para la inscripción del correspondiente título en el Registro de Universidades, Centros y Títulos (RUCT);

Entendiendo, en consecuencia, que la propuesta cuenta con el informe favorable de verificación a que se refiere el artículo 24 del Real Decreto 1393/2007, de 29 de octubre, por el que establece la ordenación de las enseñanzas universitarias oficiales, modificado por el Real Decreto 861/2010, de 2 de julio; la Comisión de Verificación y Acreditación de Planes de Estudios del Consejo de Universidades, en su sesión del día 23 de junio de 2017,

HA RESUELTO:

Verificar en sentido positivo el plan de estudios correspondiente al título oficial de Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova(Italia).

Contra esta resolución, que no agota la vía administrativa, podrá interponerse reclamación ante la Presidencia del Consejo de Universidades, de acuerdo con lo dispuesto en el artículo 25.9 del Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales, modificado por el Real Decreto 861/2010, de 2 de julio."





Madrid, 27 de junio de 2017

El Subdirector General de Coordinación
y Seguimiento Universitario

Leonardo Caruana de las Cagigas



Resolución de 23 de junio de 2017, del Consejo de Universidades, en relación con la verificación del plan de estudios conducente al título oficial de Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova (Italia) (4316319).

Vista la solicitud presentada para la verificación del plan de estudios conducente al título oficial de Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova(Italia), en la rama de conocimiento de Ciencias;

Tras comprobar que la propuesta del plan de estudios cuenta con la aprobación de la Comisión Europea, el Convenio correspondiente del consorcio, la carta de notificación de haber obtenido el sello Erasmus Mundus, así como un formulario adaptado que proporciona los datos necesarios para la inscripción del correspondiente título en el Registro de Universidades, Centros y Títulos (RUCT);

Entendiendo, en consecuencia, que la propuesta cuenta con el informe favorable de verificación a que se refiere el artículo 24 del Real Decreto 1393/2007, de 29 de octubre, por el que establece la ordenación de las enseñanzas universitarias oficiales, modificado por el Real Decreto 861/2010, de 2 de julio; la Comisión de Verificación y Acreditación de Planes de Estudios del Consejo de Universidades, en su sesión del día 23 de junio de 2017,

HA RESUELTO:

Verificar en sentido positivo el plan de estudios correspondiente al título oficial de Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova(Italia).



Contra esta resolución, que no agota la vía administrativa, podrá interponerse reclamación ante la Presidencia del Consejo de Universidades, de acuerdo con lo dispuesto en el artículo 25.9 del Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales, modificado por el Real Decreto 861/2010, de 2 de julio.

Madrid, 23 de junio de 2017

El Secretario del Consejo de Universidades

Jorge Sainz González

IMPRESO SOLICITUD PARA VERIFICACIÓN DE TÍTULOS OFICIALES

1. DATOS DE LA UNIVERSIDAD, CENTRO Y TÍTULO QUE PRESENTA LA SOLICITUD

De conformidad con el Real Decreto 1393/2007, por el que se establece la ordenación de las Enseñanzas Universitarias Oficiales

UNIVERSIDAD SOLICITANTE	CENTRO	CÓDIGO CENTRO
Universidad de Sevilla	Escuela Internacional de Posgrado de la Universidad de Sevilla	41015895
NIVEL	DENOMINACIÓN CORTA	
Máster	Física Nuclear / European Master in Nuclear Physics	
DENOMINACIÓN ESPECÍFICA		
Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova(Italia)		
RAMA DE CONOCIMIENTO	CONJUNTO	
Ciencias	Internacional	
CONVENIO		
Consortium Agreement for the European Master in Nuclear Physics		
UNIVERSIDADES PARTICIPANTES	CENTRO	CÓDIGO CENTRO
Universidad de Barcelona	Facultad de Física	08032968
Universidad Complutense de Madrid	Facultad de Ciencias Físicas	28027758
Universidad de Salamanca	Facultad de Ciencias	37007912
Universidad Autónoma de Madrid	Facultad de Ciencias	28027060
HABILITA PARA EL EJERCICIO DE PROFESIONES REGULADAS	NORMA HABILITACIÓN	
No		
SOLICITANTE		
NOMBRE Y APELLIDOS	CARGO	
AGUSTÍN DEL CASTILLO GARCÍA	Director Técnico del Área de Ordenación Académica	
Tipo Documento	Número Documento	
NIF	28541229T	
REPRESENTANTE LEGAL		
NOMBRE Y APELLIDOS	CARGO	
CRISTINA MARIA YANES CABRERA	Vicerrectora de Ordenación Académica	
Tipo Documento	Número Documento	
NIF	31862344F	
RESPONSABLE DEL TÍTULO		
NOMBRE Y APELLIDOS	CARGO	
MARIA DEL CARMEN GALLARDO CRUZ	Directora de las Escuelas Internacionales de Postgrado y Doctorado	
Tipo Documento	Número Documento	
NIF	27301910J	

2. DIRECCIÓN A EFECTOS DE NOTIFICACIÓN

A los efectos de la práctica de la NOTIFICACIÓN de todos los procedimientos relativos a la presente solicitud, las comunicaciones se dirigirán a la dirección que figure en el presente apartado.

DOMICILIO	CÓDIGO POSTAL	MUNICIPIO	TELÉFONO
C/ San Fernando, 4	41004	Sevilla	669569672
E-MAIL	PROVINCIA	FAX	
vordenacion@us.es	Sevilla	954556982	

3. PROTECCIÓN DE DATOS PERSONALES

De acuerdo con lo previsto en la Ley Orgánica 5/1999 de 13 de diciembre, de Protección de Datos de Carácter Personal, se informa que los datos solicitados en este impreso son necesarios para la tramitación de la solicitud y podrán ser objeto de tratamiento automatizado. La responsabilidad del fichero automatizado corresponde al Consejo de Universidades. Los solicitantes, como cedentes de los datos podrán ejercer ante el Consejo de Universidades los derechos de información, acceso, rectificación y cancelación a los que se refiere el Título III de la citada Ley 5-1999, sin perjuicio de lo dispuesto en otra normativa que ampare los derechos como cedentes de los datos de carácter personal.

El solicitante declara conocer los términos de la convocatoria y se compromete a cumplir los requisitos de la misma, consintiendo expresamente la notificación por medios telemáticos a los efectos de lo dispuesto en el artículo 59 de la 30/1992, de 26 de noviembre, de Régimen Jurídico de las Administraciones Públicas y del Procedimiento Administrativo Común, en su versión dada por la Ley 4/1999 de 13 de enero.

	En: Sevilla, a ___ de _____ de ____
	Firma: Representante legal de la Universidad

1. DESCRIPCIÓN DEL TÍTULO

1.1. DATOS BÁSICOS

NIVEL	DENOMINACIÓN ESPECÍFICA	CONJUNTO	CONVENIO	CONV. ADJUNTO
Máster	Máster Universitario Erasmus Mundus en Física Nuclear / European Master in Nuclear Physics por la Universidad Autónoma de Madrid; la Universidad Complutense de Madrid; la Universidad de Barcelona; la Universidad de Salamanca; la Universidad de Sevilla; UNIVERSITE DE CAEN BASSE-NORMANDIE(Francia); Università degli Studi di Catania(Italia) y Università degli Studi di Padova(Italia)	Internacional		Ver Apartado 1: Anexo 1.

LISTADO DE ESPECIALIDADES

Especialidad en Física Nuclear Experimental en Grandes Aceleradores

Especialidad en Física Nuclear Teórica

Especialidad en Física Nuclear Aplicada con Pequeños Aceleradores

ERASMUS	NOMBRE DEL CONSORCIO INTERNACIONAL
Sí	222 NUPHYS - Erasmus Mundus Master Joint Degree Nuclear Physics

NOTIFICACIÓN DE OBTENCIÓN DEL SELLO ERASMUS MUNDUS

Ver Apartado 1: Anexo 2.

RAMA	ISCED 1	ISCED 2
Ciencias	Física	

NO HABILITA O ESTÁ VINCULADO CON PROFESIÓN REGULADA ALGUNA

AGENCIA EVALUADORA

Education, Audiovisual and Culture Executive Agency

UNIVERSIDAD SOLICITANTE

Universidad de Sevilla

LISTADO DE UNIVERSIDADES

CÓDIGO	UNIVERSIDAD
004	Universidad de Barcelona
010	Universidad Complutense de Madrid
014	Universidad de Salamanca
023	Universidad Autónoma de Madrid
017	Universidad de Sevilla

LISTADO DE UNIVERSIDADES EXTRANJERAS

CÓDIGO	UNIVERSIDAD
ORG00043904	Università degli Studi di Catania
ORG00039159	UNIVERSITE DE CAEN BASSE-NORMANDIE
ORG00030260	Università degli Studi di Padova

LISTADO DE INSTITUCIONES PARTICIPANTES

No existen datos

1.2. DISTRIBUCIÓN DE CRÉDITOS EN EL TÍTULO

CRÉDITOS TOTALES	CRÉDITOS DE COMPLEMENTOS FORMATIVOS	CRÉDITOS EN PRÁCTICAS EXTERNAS
120		12
CRÉDITOS OPTATIVOS	CRÉDITOS OBLIGATORIOS	CRÉDITOS TRABAJO FIN GRADO/ MÁSTER

72	6	30
LISTADO DE ESPECIALIDADES		
ESPECIALIDAD	CRÉDITOS OPTATIVOS	
Especialidad en Física Nuclear Experimental en Grandes Aceleradores	48.	
Especialidad en Física Nuclear Teórica	48.	
Especialidad en Física Nuclear Aplicada con Pequeños Aceleradores	48.	

1.3. Universidad de Barcelona

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO
08032968	Facultad de Física

1.3.2. Facultad de Física

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO		
PRESENCIAL	SEMIPRESENCIAL	A DISTANCIA
Sí	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
25	25	
TIEMPO COMPLETO		
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	30.0	90.0
RESTO DE AÑOS	30.0	90.0
TIEMPO PARCIAL		
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	12.0	30.0
RESTO DE AÑOS	12.0	30.0
NORMAS DE PERMANENCIA		
http://servicio.us.es/academica/sites/default/files/nuevosplanes/permanpdf.pdf		
LENGUAS EN LAS QUE SE IMPARTE		
CASTELLANO	CATALÁN	EUSKERA
No	No	No
GALLEGO	VALENCIANO	INGLÉS
No	No	Sí
FRANCÉS	ALEMÁN	PORTUGUÉS
No	No	No
ITALIANO	OTRAS	
No	No	

1.3. Universidad Autónoma de Madrid

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO
28027060	Facultad de Ciencias

1.3.2. Facultad de Ciencias

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO

PRESENCIAL	SEMPRESENCIAL	A DISTANCIA
Sí	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
25	25	
	TIEMPO COMPLETO	
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	30.0	90.0
RESTO DE AÑOS	30.0	90.0
	TIEMPO PARCIAL	
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	12.0	30.0
RESTO DE AÑOS	12.0	30.0
NORMAS DE PERMANENCIA		
http://servicio.us.es/academica/sites/default/files/nuevosplanes/permanpdf.pdf		
Lenguas en las que se imparte		
CASTELLANO	CATALÁN	EUSKERA
No	No	No
GALLEGO	VALENCIANO	INGLÉS
No	No	Sí
FRANCÉS	ALEMÁN	PORTUGUÉS
No	No	No
ITALIANO	OTRAS	
No	No	

1.3. Universidad Complutense de Madrid

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO
28027758	Facultad de Ciencias Físicas

1.3.2. Facultad de Ciencias Físicas

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO		
PRESENCIAL	SEMPRESENCIAL	A DISTANCIA
Sí	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
25	25	
	TIEMPO COMPLETO	
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	30.0	90.0
RESTO DE AÑOS	30.0	90.0
	TIEMPO PARCIAL	
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	12.0	30.0
RESTO DE AÑOS	12.0	30.0

NORMAS DE PERMANENCIA		
http://servicio.us.es/academica/sites/default/files/nuevosplanes/permanpdf.pdf		
LENGUAS EN LAS QUE SE IMPARTE		
CASTELLANO	CATALÁN	EUSKERA
No	No	No
GALLEGO	VALENCIANO	INGLÉS
No	No	Sí
FRANCÉS	ALEMÁN	PORTUGUÉS
No	No	No
ITALIANO	OTRAS	
No	No	

1.3. Universidad de Sevilla

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO
41015895	Escuela Internacional de Posgrado de la Universidad de Sevilla

1.3.2. Escuela Internacional de Posgrado de la Universidad de Sevilla

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO		
PRESENCIAL	SEMIPRESENCIAL	A DISTANCIA
Sí	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
25	25	
TIEMPO COMPLETO		
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	30.0	90.0
RESTO DE AÑOS	30.0	90.0
TIEMPO PARCIAL		
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	12.0	30.0
RESTO DE AÑOS	12.0	30.0
NORMAS DE PERMANENCIA		
http://servicio.us.es/academica/sites/default/files/nuevosplanes/permanpdf.pdf		
LENGUAS EN LAS QUE SE IMPARTE		
CASTELLANO	CATALÁN	EUSKERA
No	No	No
GALLEGO	VALENCIANO	INGLÉS
No	No	Sí
FRANCÉS	ALEMÁN	PORTUGUÉS
No	No	No
ITALIANO	OTRAS	
No	No	

1.3. Universidad de Salamanca

1.3.1. CENTROS EN LOS QUE SE IMPARTE

LISTADO DE CENTROS	
CÓDIGO	CENTRO
37007912	Facultad de Ciencias

1.3.2. Facultad de Ciencias

1.3.2.1. Datos asociados al centro

TIPOS DE ENSEÑANZA QUE SE IMPARTEN EN EL CENTRO		
PRESENCIAL	SEMPRESENCIAL	A DISTANCIA
Sí	No	No
PLAZAS DE NUEVO INGRESO OFERTADAS		
PRIMER AÑO IMPLANTACIÓN	SEGUNDO AÑO IMPLANTACIÓN	
25	25	
TIEMPO COMPLETO		
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	30.0	90.0
RESTO DE AÑOS	30.0	90.0
TIEMPO PARCIAL		
	ECTS MATRÍCULA MÍNIMA	ECTS MATRÍCULA MÁXIMA
PRIMER AÑO	12.0	30.0
RESTO DE AÑOS	12.0	30.0
NORMAS DE PERMANENCIA		
http://servicio.us.es/academica/sites/default/files/nuevosplanes/permanpdf.pdf		
LENGUAS EN LAS QUE SE IMPARTE		
CASTELLANO	CATALÁN	EUSKERA
No	No	No
GALLEGO	VALENCIANO	INGLÉS
No	No	Sí
FRANCÉS	ALEMÁN	PORTUGUÉS
No	No	No
ITALIANO	OTRAS	
No	No	

2. JUSTIFICACIÓN, ADECUACIÓN DE LA PROPUESTA Y PROCEDIMIENTOS

Ver Apartado 2: Anexo 1.

3. COMPETENCIAS

3.1 COMPETENCIAS BÁSICAS Y GENERALES
BÁSICAS
CB6 - Poseer y comprender conocimientos que aporten una base u oportunidad de ser originales en el desarrollo y/o aplicación de ideas, a menudo en un contexto de investigación
CB7 - Que los estudiantes sepan aplicar los conocimientos adquiridos y su capacidad de resolución de problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio
CB8 - Que los estudiantes sean capaces de integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre las responsabilidades sociales y éticas vinculadas a la aplicación de sus conocimientos y juicios
CB9 - Que los estudiantes sepan comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados de un modo claro y sin ambigüedades
CB10 - Que los estudiantes posean las habilidades de aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo.
GENERALES
CG1 - Saber aplicar los conocimientos adquiridos a la resolución de problemas nuevos en contextos más amplios (o multidisciplinares) relacionados con la Física Nuclear
CG2 - Ser capaces de integrar conocimientos y enfrentarse a la complejidad de formular juicios a partir de una información que, siendo incompleta o limitada, incluya reflexiones sobre las responsabilidades sociales y éticas vinculadas a la aplicación de sus conocimientos y juicios
CG3 - Saber comunicar sus conclusiones (y los conocimientos y razones últimas que las sustentan) en el campo de la Física Nuclear y aplicaciones a públicos especializados y no especializados de un modo claro y sin ambigüedades
CG4 - Poseer las habilidades de aprendizaje que permitan continuar estudiando en el campo de la Física Nuclear de un modo que habrá de ser en gran medida autodirigido o autónomo
CG5 - Conocer la influencia de los procesos nucleares sobre el entorno medioambiental y conocer las consideraciones éticas derivadas
3.2 COMPETENCIAS TRANSVERSALES
CT1 - Fomentar y garantizar el respeto a los Derechos Humanos y a los principios de accesibilidad universal, igualdad, no discriminación y los valores democráticos y de la cultura de la paz
CT2 - Fomentar el espíritu emprendedor
3.3 COMPETENCIAS ESPECÍFICAS
CE1 - Capacidad para el estudio e investigación en temas abiertos en la frontera del conocimiento en los campos de la Física Nuclear, tanto teórica como experimental, y sus aplicaciones tecnológicas y médicas
CE2 - Poseer una visión global del conocimiento actual de los procesos de generación de materia y energía en el Universo, de la exploración del Universo usando partículas y radiación de alta energía, de la descripción de la estructura de los núcleos atómicos y de sus interacciones y de la conexión de éstos con estructuras más fundamentales
CE3 - Capacidad para el uso de las principales herramientas y métodos de computación y programación utilizadas en la actualidad en los experimentos de Física Nuclear, y para el manejo de las técnicas experimentales que son de uso generalizado tanto en física medioambiental como en medicina, en el ámbito diagnóstico y terapéutico de las radiaciones ionizantes
CE4 - Capacidad para desarrollar el trabajo de investigación científica en el marco o formando parte de grandes colaboraciones internacionales en el que se combinan labores tanto teóricas como experimentales y tecnológicas

4. ACCESO Y ADMISIÓN DE ESTUDIANTES

4.1 SISTEMAS DE INFORMACIÓN PREVIO

Ver Apartado 4: Anexo 1.

4.2 REQUISITOS DE ACCESO Y CRITERIOS DE ADMISIÓN

4.2.-CRITERIOS DE ACCESO Y CONDICIONES O PRUEBAS DE ACCESO ESPECIALES

4.2.1. Perfil de ingreso

Título universitario equivalente a Grado o Bachelor en Física de acuerdo al marco de Bolonia. Cualquier otro perfil científico con las bases necesarias a juicio de la Comisión Académica para poder seguir con aprovechamiento el Máster NuPhys EMJMD.

4.2.2. Criterios de acceso De acuerdo con lo previsto en el artículo 16 del Real Decreto 1393/2007, de 29 de octubre, modificado por el Real Decreto 861/2010, con carácter general podrán acceder a enseñanzas oficiales de Máster quienes reúnan los requisitos exigidos: - Estar en posesión de un título universitario oficial español u otro expedido por una institución de educación superior perteneciente a otro Estado integrante del Espacio Europeo de Educación Superior que faculte en el mismo para el acceso a enseñanzas de Máster. - Asimismo, podrán acceder los titulados conforme a sistemas educativos ajenos al Espacio Europeo de Educación Superior sin necesidad de la homologación de sus títulos, previa comprobación por la Universidad de que aquellos acreditan un nivel de formación equivalente a los correspondientes títulos universitarios oficiales españoles y que facultan en el país expedidor del título para el acceso a enseñanzas de postgrado. El acceso por esta vía no implicará, en ningún caso, la homologación del título previo de que esté en posesión el interesado, ni su reconocimiento a otros efectos que el de cursar las enseñanzas de Máster. **4.2.3 Admisión** El artículo 17 del Real Decreto 1393/2007, modificado por el Real Decreto 861/2010, regula la admisión a las enseñanzas de Máster y establece que los estudiantes podrán ser admitidos conforme a los requisitos específicos y criterios de valoración que establezca la Universidad. Por otra parte, de acuerdo con las previsiones del Art. 75 de la Ley 15/2003 Andaluza de Universidades, a los únicos efectos del ingreso en los centros universitarios, todas las Universidades públicas andaluzas se constituyen en un distrito único. En consecuencia los procesos de admisión de alumnos se realizan de acuerdo con los criterios que establezca la Comisión de Distrito Único Andaluz, considerándose en los mismos la existencia de estudiantes con necesidades educativas específicas derivadas de discapacidad. Según las disposiciones del Distrito Único Universitario de Andalucía por las que se establece el procedimiento para el ingreso en los Másteres universitarios, el criterio de prelación en la adjudicación de plazas tendrá en cuenta ¿los requisitos de admisión y los criterios en el orden de preferencia que para cada Máster se haya establecido en la correspondiente memoria de implantación, o en su defecto, por la comisión Académica correspondiente¿. La Comisión Académica del Máster establecerá y aplicará los criterios de selección, siempre respetando los principios de mérito e igualdad de oportunidades. En caso de haber más candidaturas que plazas, éstas se ordenarán según una valoración que tendrá en cuenta los siguientes criterios: Requisitos excluyentes:

- Título universitario equivalente a Grado o Bachelor en Física de acuerdo al marco de Bolonia. Cualquier otro perfil científico con las bases necesarias a juicio de la Comisión Académica para poder seguir con aprovechamiento el Máster NuPhys EMJMD.
- Idioma: Inglés, los candidatos de países en los que el inglés no es la lengua oficial deben demostrar su conocimiento del inglés con certificado de nivel B2 (FCE) o equivalente usando el CEF (Common European Framework of Reference for Languages).

Méritos adicionales: los candidatos que cumplan los requisitos anteriores se baremarán sobre 100 puntos de acuerdo a los siguientes criterios que aplicará la Comisión de Selección:

1. (hasta 40 puntos) Excelencia académica (se requiere una nota media como mínimo del 75% del máximo posible)
2. (hasta 40 puntos) Entrevista con el Comité de Selección (personal ó on ¿line).
3. (hasta 5 puntos) Relevancia de la experiencia laboral previa del estudiante en relación a este Máster.
4. (hasta 5 puntos) Motivación del estudiante para seguir el Máster y relevancia para su desarrollo profesional.
5. (hasta 5 puntos) Cartas de recomendación de dos evaluadores.
6. (hasta 2 puntos) Conocimientos de idiomas superiores a los exigidos en los requisitos excluyentes (inglés y lenguas del consorcio).
7. (hasta 3 puntos) Otros méritos según criterio del Comité de Selección.

Además, como uno de los objetivos del Máster NuPhys EMJMD es atraer a los mejores estudiantes del Mundo interesados en Física Nuclear, la selección final intentará, en lo posible, el reparto del número de plazas considerando las nacionalidades de los solicitantes. Ordenados los estudiantes que solicitan la admisión con arreglo a los criterios de valoración antedichos, serán admitidos tantos solicitantes como plazas se oferten, por estricto orden de prelación. En caso de que se produzcan renunciaciones, podrán optar a la admisión los solicitantes no seleccionados en primera instancia, otra vez de acuerdo a su orden de méritos.

4.3 APOYO A ESTUDIANTES

4.4 SISTEMA DE TRANSFERENCIA Y RECONOCIMIENTO DE CRÉDITOS

Reconocimiento de Créditos Cursados en Enseñanzas Superiores Oficiales no Universitarias

MÍNIMO	MÁXIMO
0	0

Reconocimiento de Créditos Cursados en Títulos Propios

MÍNIMO	MÁXIMO
0	18

Adjuntar Título Propio

Ver Apartado 4: Anexo 2.

Reconocimiento de Créditos Cursados por Acreditación de Experiencia Laboral y Profesional

MÍNIMO	MÁXIMO
0	18

4.4.- TRANSFERENCIA Y RECONOCIMIENTO DE CRÉDITOS: SISTEMA PROPUESTO POR LA UNIVERSIDAD.

NORMATIVA REGULADORA DEL RECONOCIMIENTO Y TRANSFERENCIA DE CRÉDITOS EN LA UNIVERSIDAD DE SEVILLA (Texto consolidado) (Aprobada por Acuerdo 4.3/CG 22-11-11 y modificada por Acuerdo 7.3/CG 20-2-15) INTRODUCCIÓN El Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales indica que, con objeto de hacer efectiva la movilidad de estudiantes, tanto dentro del territorio nacional como fuera de él, las universidades elaborarán y harán pública su normativa sobre el sistema de reconocimiento y transferencia de créditos, con sujeción a los criterios generales establecidos en el mismo. La Universidad de Sevilla, a fin de dar cumplimiento al mencionado precepto, aprobó mediante Acuerdo 5.1/C.G. 30-09-2008 las Normas Básicas sobre Reconocimiento y Transferencia de Créditos de aplicación a los estudios universitarios oficiales de Grado y Máster. Posteriormente, el Real Decreto 861/2010, de 2 de julio, por el que se modifica el anterior, modifica sustancialmente el apartado correspondiente al régimen de reconocimiento y transferencia de créditos introduciendo nuevas posibilidades de reconocimiento académico, especialmente a partir de la experiencia laboral y profesional y a partir de estudios cursados en títulos propios. Por todo ello, el Consejo de Gobierno de la Universidad de Sevilla acuerda modificar las Normas Básicas aprobadas por el Acuerdo 5.1/C.G. 30-09-2008, que quedarán establecidas según las siguientes normas reguladoras: CAPÍTULO I: DISPOSICIONES GENERALES **Artículo 1. Objeto.** Las presentes normas tienen por objeto establecer los criterios generales y el procedimiento para el reconocimiento y la transferencia de créditos en las enseñanzas universitarias de Grado y Máster previstas en el Real Decreto 1393/2007, de 29 de octubre, por el que se establece la ordenación de las enseñanzas universitarias oficiales, modificado por el Real Decreto 861/2010, de 2 de julio. **Artículo 2. Ámbito de aplicación.** La presente normativa reguladora será de aplicación a las enseñanzas universitarias oficiales de Grado y Máster impartidas por la Universidad de Sevilla. **Artículo 3. Definiciones.** 3.1 Se entiende por reconocimiento de créditos la aceptación por la Universidad de Sevilla, a efectos de la obtención de un título universitario oficial, de:

1. Los créditos obtenidos en otras enseñanzas universitarias oficiales.
2. Los créditos obtenidos en enseñanzas superiores oficiales no universitarias.
3. Los créditos obtenidos en enseñanzas universitarias conducentes a otros títulos.
4. La acreditación de experiencia laboral o profesional.
5. La participación en actividades universitarias culturales, deportivas, de representación estudiantil, solidarias y de cooperación.

3.2 La transferencia de créditos implica que, en los documentos académicos oficiales acreditativos de las enseñanzas seguidas por cada estudiante, se incluirán la totalidad de los créditos obtenidos en enseñanzas oficiales cursadas con anterioridad, en la misma u otra universidad, que no hayan conducido a la obtención de un título oficial. **CAPÍTULO II: RECONOCIMIENTO DE CRÉDITOS EN ENSEÑANZAS OFICIALES DE GRADO. Artículo 4. A par-**

tir de otros títulos de Grado. 4.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos universitarios de Grado se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar.

1. Para la resolución de estas solicitudes se tendrán en cuenta los siguientes criterios:
 1. Cuando el título de origen y el título de destino pertenezcan a la misma rama de conocimiento serán objeto de reconocimiento todos los créditos superados en materias de formación básica vinculadas a dicha rama de conocimiento. Cuando se hayan superado la totalidad de los créditos de formación básica del título de origen, se garantizará el reconocimiento de al menos 36 créditos correspondientes a materias de formación básica de dicha rama en el título de destino.
 2. Cuando el título de origen y el título de destino pertenezcan a diferentes ramas de conocimiento serán objeto de reconocimiento todos los créditos superados en materias de formación básica de la rama de conocimiento a la que se encuentre adscrito el título de destino.
 3. En todo caso, los efectos del reconocimiento de créditos se reflejarán en la resolución indicando las materias o asignaturas concretas que se considerarán superadas ¿que podrán tener el carácter de formación básica, obligatoria, optativa o prácticas externas- y, en su caso, los créditos reconocidos con cargo al cómputo de optatividad del plan de estudios.
 4. El número de créditos reconocidos con cargo a la optatividad no podrá superar el número de créditos optativos exigido por el plan de estudios del título de destino.
 5. En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Grado.
 6. En el ámbito del sistema universitario público andaluz serán objeto de reconocimiento automático los módulos o materias comunes definidas para cada título de Grado. En caso de no haberse superado íntegramente un determinado módulo, el reconocimiento se llevará a cabo por materias o asignaturas en función de las competencias y conocimientos asociados a las mismas.
 7. En el caso de títulos oficiales de Grado que habiliten para el ejercicio de profesiones reguladas en España, para los que el Gobierno haya establecido las condiciones a las que han de adecuarse los planes de estudios, se reconocerán los créditos de los módulos definidos en la correspondiente norma reguladora que hayan sido superados por el estudiante. En caso de no haberse superado íntegramente un determinado módulo, el reconocimiento se llevará a cabo por materias o asignaturas en función de las competencias y conocimientos asociados a las mismas.

Artículo 5. A partir de títulos de Máster Universitario. 5.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos oficiales de Máster Universitario (tanto los regulados por el RD 56/2005, como por el RD 1393/2007) o periodo de formación específico del Doctorado se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 5.2 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Grado **Artículo 6. A partir de títulos de la anterior ordenación universitaria.** 6.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos universitarios de la anterior ordenación universitaria, Arquitecto Técnico, Diplomado, Ingeniero Técnico, Maestro, Licenciado, Arquitecto, Ingeniero o periodo de docencia del doctorado, se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 6.2 Para la resolución estas solicitudes se tendrán en cuentas los siguientes criterios.

1. Cuando las competencias y conocimientos no estén explicitados o no puedan deducirse del plan de estudios de origen del estudiante se tomarán como referencia el número de créditos y/o los contenidos de las materias o asignaturas cursadas.
2. En el caso de títulos en proceso de extinción por la implantación de los nuevos títulos de Grado, la adaptación de los estudiantes a éstos últimos se basará en el reconocimiento de créditos previsto en la tabla de adaptación incluida en la correspondiente memoria de verificación del título de Grado en cuestión.
3. En los procesos de adaptación de estudiantes a los nuevos planes de los títulos de Grado deberá garantizarse que la situación académica de aquellos no resulte perjudicada. A tal efecto, las materias, asignaturas o créditos superados que no tengan equivalencia en las correspondientes al plan de estudios de Grado se incorporarán en el expediente del estudiante como créditos genéricos de carácter optativo. Si, aún así resultarán excedentes, los créditos restantes se podrán incorporar al expediente como créditos transferidos, a petición del interesado y siempre que se trate de materias o asignaturas completas.
4. El número de créditos reconocidos con cargo a la optatividad no podrá superar el número de créditos optativos exigido por el plan de estudios del título de destino.
5. En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Grado

Artículo 7. A partir de otros títulos universitarios. 7.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos universitarios que no tengan carácter oficial y validez en todo el territorio nacional, se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 7.2 El número de créditos que sean objeto de reconocimiento a partir de enseñanzas universitarias no oficiales y de la experiencia profesional o laboral prevista en el artículo 9 no podrá ser superior, en su conjunto, al 15 por ciento del total de créditos que constituyen el plan de estudios de destino. 7.3 No obstante lo anterior, los créditos procedentes de títulos propios podrán, excepcionalmente, ser objeto de reconocimiento en un porcentaje superior al señalado en el párrafo anterior o, en su caso, ser objeto de reconocimiento en su totalidad siempre que el correspondiente título propio haya sido extinguido y sustituido por el título oficial para el que se solicita el reconocimiento. 7.4 El reconocimiento de estos créditos no incorporará calificación de los mismos por lo que no computarán a efectos de baremación del expediente. 7.5 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Grado **Artículo 8. A partir de títulos de enseñanzas superiores.** 8.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos oficiales españoles de educación superior no universitaria, se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 8.2 Podrán ser objeto de reconocimiento de créditos los estudios superados correspondientes a los siguientes títulos:

1. Título Superior de Arte Dramático
2. Título Superior de Artes Plásticas
3. Título Superior de Conservación y Restauración de Bienes Culturales
4. Título Superior de Danza
5. Título Superior de Diseño
6. Título Superior de Música
7. Técnico Superior de Artes Plásticas y Diseño
8. Técnico Superior de Formación Profesional
9. Técnico Deportivo Superior

8.3 Únicamente podrán ser objeto de reconocimiento de créditos los estudios acreditados mediante los títulos oficiales enumerados en el apartado anterior. En el caso de enseñanzas artísticas de grado conducentes a titulaciones oficiales podrán ser objeto de reconocimiento los periodos parciales de estudios cursados, siempre que se acrediten oficialmente en créditos ECTS. 8.4 En función de los criterios generales que determine el Ministerio de Educación, Cultura y Deporte y, previo acuerdo con la Administración educativa correspondiente, se garantizará un reconocimiento mínimo de créditos ECTS a quienes posean una titulación de educación superior y cursen otras enseñanzas relacionadas con dicho título. 8.5 En cualquier caso el número de créditos reconocidos no podrá superar el 60 por 100 de los créditos del plan de estudios co-

respondiente al título que se pretende cursar. 8.6 Cuando el reconocimiento de créditos se solicite para cursar enseñanzas conducentes a la obtención de títulos que dan acceso al ejercicio de profesiones reguladas, deberá comprobarse que los estudios alegados reúnen los requisitos exigidos reglamentariamente para obtener la cualificación profesional necesaria. 8.7 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Grado. **Artículo 9. A partir de experiencia laboral o profesional.** 9.1 Las solicitudes de reconocimiento de créditos basadas en experiencia laboral o profesional acreditada se resolverán teniendo en cuenta su relación con las competencias inherentes al título, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar, o los créditos aplicados al cómputo de optatividad del plan de estudios del título que se pretende obtener. 9.2 El número de créditos que sean objeto de reconocimiento a partir de experiencia profesional o laboral acreditada y de enseñanzas universitarias no oficiales previstas en el artículo 7 no podrá ser superior, en su conjunto, al 15 por ciento del total de créditos que constituyen el plan de estudios de destino. 9.3 Dentro de este límite se reconocerán hasta 6 créditos por cada año de experiencia laboral o profesional debidamente acreditada. 9.4 Con carácter general, siempre que el plan de estudios contemple la posibilidad o necesidad de realizar prácticas externas, el reconocimiento de créditos por experiencia laboral o profesional se aplicará preferentemente a este tipo de materias. 9.4 bis. Asimismo, podrán reconocerse por prácticas curriculares, aquellas prácticas extracurriculares que hayan sido gestionadas desde la Universidad de Sevilla o cualquier otra Universidad, al amparo del mismo título para el que se solicita el reconocimiento, siempre y cuando así lo estime la Comisión competente en función del programa formativo acreditado de las mismas y de su relación con las competencias inherentes al título. 9.5 El reconocimiento de estos créditos no incorporará calificación de los mismos por lo que no computarán a efectos de baremación del expediente. 9.6 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Grado **Artículo 10. A partir de la realización de actividades universitarias.** 10.1 Las solicitudes de reconocimiento de créditos basadas en la participación en actividades universitarias culturales, deportivas, de representación estudiantil, solidarias y de cooperación, serán resueltas teniendo en cuenta la normativa aprobada por el Consejo de Gobierno de la Universidad de Sevilla mediante Acuerdo 5.1/CG 22-7-2010. 10.2 El número máximo de créditos que se podrá reconocer por la participación en estas actividades será de 6 créditos ECTS. **CAPÍTULO III: RECONOCIMIENTO DE CRÉDITOS EN ENSEÑANZAS OFICIALES DE MÁSTER. Artículo 11. A partir de otros títulos de Grado, Máster o Doctorado.** 11.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos universitarios de Grado, Máster -ya sean de Programas Oficiales de Postgrado regulados por el Real Decreto 56/2005 o de títulos de Máster desarrollados al amparo del Real Decreto 1393/2007- o periodo de formación específico del Doctorado ¿Real Decreto 1393/2007 y, en su caso, los derivados del Real Decreto 99/2011- se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 11.2 Para la resolución de estas solicitudes se tendrán en cuentas los siguientes criterios.

1. En el caso de solicitudes de reconocimiento de créditos entre títulos oficiales de Máster que habiliten para el ejercicio de profesiones reguladas, para los que el Gobierno haya establecido las condiciones a las que han de adecuarse los planes de estudios, se reconocerán los créditos de los módulos definidos en la correspondiente norma reguladora que hayan sido superados por el estudiante. En caso de no haberse superado íntegramente un determinado módulo, el reconocimiento se llevará a cabo por materias o asignaturas en función de las competencias y conocimientos asociados a las mismas.
2. En el caso de títulos de Máster en proceso de extinción por la implantación de nuevos planes de estudios, la adaptación de los estudiantes a éstos últimos se basará en el reconocimiento de créditos previsto en la tabla de adaptación incluida en la correspondiente memoria de verificación del título de Máster en cuestión.
3. En los procesos de adaptación de estudiantes a los nuevos planes de los títulos de Máster deberá garantizarse que la situación académica de aquellos no resulte perjudicada. A tal efecto, las materias, asignaturas o créditos superados que no tengan equivalencia en las correspondientes al plan de estudios de destino se incorporarán en el expediente del estudiante como créditos genéricos de carácter optativo. Si, aún así resultarán excedentes, los créditos restantes se podrán incorporar al expediente como créditos transferidos, a petición del interesado y siempre que se trate de materias o asignaturas completas.
4. El número de créditos reconocidos con cargo a la optatividad no podrá superar el número de créditos optativos exigido por el plan de estudios del título de destino.
5. En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Máster.

Artículo 12. A partir de títulos de la anterior ordenación universitaria. 12.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos universitarios de la anterior ordenación universitaria, Arquitecto, Ingeniero, Licenciado o periodo de docencia del doctorado, se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 12.2 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Máster. **Artículo 13. A partir de otros títulos universitarios.** 13.1 Las solicitudes de reconocimiento de créditos basadas en estudios superados en títulos universitarios que no tengan carácter oficial y validez en todo el territorio nacional, se resolverán teniendo en cuenta la adecuación entre las competencias y conocimientos adquiridos en las materias superadas y los previstos en el plan de estudios del título de destino, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar. 13.2 El número de créditos que sean objeto de reconocimiento a partir de enseñanzas universitarias no oficiales y de la experiencia profesional o laboral prevista en el artículo 14 no podrá ser superior, en su conjunto, al 15 por ciento del total de créditos que constituyen el plan de estudios de destino. 13.3 No obstante lo anterior, los créditos procedentes de títulos propios podrán, excepcionalmente, ser objeto de reconocimiento en un porcentaje superior al señalado en el párrafo anterior o, en su caso, ser objeto de reconocimiento en su totalidad siempre que el correspondiente título propio haya sido extinguido y sustituido por el título oficial para el que se solicita el reconocimiento. 13.4 El reconocimiento de estos créditos no incorporará calificación de los mismos por lo que no computarán a efectos de baremación del expediente. 13.5 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Máster. **Artículo 14. A partir de experiencia laboral o profesional.** 14.1 Las solicitudes de reconocimiento de créditos basadas en experiencia laboral o profesional acreditada se resolverán teniendo en cuenta su relación con las competencias inherentes al título, indicándose las materias o asignaturas que se considerarán superadas por el interesado y que, por lo tanto, no estarán obligados a cursar, o los créditos aplicados al cómputo de optatividad del plan de estudios del título que se pretende obtener. 14.2 El número de créditos que sean objeto de reconocimiento a partir de experiencia profesional o laboral acreditada y de enseñanzas universitarias no oficiales previstas en el artículo 13 no podrá ser superior, en su conjunto, al 15 por ciento del total de créditos que constituyen el plan de estudios de destino. 14.3 Dentro de este límite se reconocerán hasta 6 créditos por cada año de experiencia laboral o profesional debidamente acreditada. 14.4 Con carácter general, siempre que el plan de estudios contemple la posibilidad o necesidad de realizar prácticas externas, el reconocimiento de créditos por experiencia laboral o profesional se aplicará preferentemente a este tipo de materias. 14.4 bis. Asimismo, podrán reconocerse por prácticas curriculares, aquellas prácticas extracurriculares que hayan sido gestionadas desde la Universidad de Sevilla o cualquier otra Universidad, al amparo del mismo título para el que se solicita el reconocimiento, siempre y cuando así lo estime la Comisión competente en función del programa formativo acreditado de las mismas y de su relación con las competencias inherentes al título. 14.5 El reconocimiento de estos créditos no incorporará calificación de los mismos por lo que no computarán a efectos de baremación del expediente. 14.6 En ningún caso podrán ser objeto de reconocimiento los Trabajos Fin de Máster. **CAPÍTULO IV. RECONOCIMIENTO DE CRÉDITOS EN PROGRAMAS DE MOVILIDAD Artículo 15.** 15.1 Los estudiantes que participen en programas de movilidad nacionales o internacionales suscritos por la Universidad de Sevilla, cursando un periodo de estudios en otras Universidades o Instituciones de Educación Superior obtendrán el reconocimiento que se derive del acuerdo académico establecido antes de su partida. 15.2 El periodo de estudios realizado en el marco de un programa oficial de movilidad deberá obtener un reconocimiento académico completo en la Universidad de Sevilla, debiendo reemplazar a un periodo comparable en ésta con los efectos previstos en el artículo 22 de las presentes normas. 15.3 Antes de la partida de todo estudiante que participe en un programa de movilidad, el Centro en el que se encuentre matriculado deberá facilitarle:

- Adecuada y suficiente información actualizada sobre los programas de estudios a cursar en la Institución de destino.
- Un acuerdo de estudios que contenga las materias a matricular en el centro de la Universidad de Sevilla independientemente de su naturaleza o tipo y las que vaya a cursar en el Centro de destino.

15.4 Las equivalencias entre ambas se establecerán en función de las competencias asociadas a las mismas, atendándose especialmente al valor formativo conjunto de las actividades académicas desarrolladas y sin que sea necesariamente exigible la identidad de contenidos entre las materias y programas ni la plena equivalencia de créditos. 15.5

El contenido mínimo o máximo de créditos a incluir en los acuerdos de estudios será el que, en su caso, determinen los programas o convenios internacionales al amparo de los cuales se realicen las estancias. En el supuesto de que dichos programas o convenios no contemplarán previsiones al respecto, se actuará conforme a las siguientes reglas:

1. Con carácter general, para una estancia de curso completo, el contenido máximo de créditos que podrá figurar en un acuerdo de estudios será de 60 créditos ECTS. Para estancias de menor duración, el número de créditos a incluir será proporcional a aquella.
2. En el caso de programaciones que contemplen, para un determinado curso, un número de créditos superior al total mencionado en el punto anterior, los acuerdos de estudios podrán contemplar tantos créditos como corresponda a dicho curso. Como en el caso anterior, a una menor duración de la estancia, corresponderá una proporcional reducción del número de créditos.
3. De forma excepcional, y en el supuesto de que el estudiante tenga la posibilidad de finalizar sus estudios con la estancia en la universidad asociada, el número máximo de créditos previsto en los dos puntos anteriores podrá incrementarse en 20.
4. Mientras permanezcan vigentes los planes de estudio de la anterior ordenación universitaria, se establece con carácter general el límite máximo de créditos a cursar a lo largo de una titulación en el equivalente a dos cursos académicos. En ningún caso un estudiante podrá realizar el total de créditos al que se refiere este punto en un único periodo de movilidad. A tal fin serán de aplicación las previsiones contenidas en los tres apartados anteriores.

15.6 El acuerdo de estudios deberá ser firmado por el Decano o Director del Centro o por el cargo académico que tenga atribuida la competencia y por el estudiante, y tendrá el carácter de contrato vinculante para las partes firmantes. El acuerdo de estudios sólo podrá ser modificado en los términos y plazos fijados en la correspondiente convocatoria de movilidad. 15.7 De los acuerdos de estudios que se establezcan se enviará copia a los Servicios Centrales del Rectorado que corresponda. 15.8 Con carácter general lo dispuesto en estas normas será de aplicación a la movilidad para dobles titulaciones sin perjuicio de las previsiones contenidas en los convenios respectivos. 15.9 Resultarán igualmente de aplicación las normas que eventualmente se aprueben por los órganos nacionales o internacionales competentes para cada programa específico de movilidad. **CAPITULO V: TRANSFERENCIA DE CRÉDITOS Artículo 16. Definición** La transferencia de créditos implica que, en los documentos académicos oficiales acreditativos de las enseñanzas seguidas por cada estudiante, se incluirán la totalidad de los créditos obtenidos en enseñanzas universitarias oficiales cursadas con anterioridad, en ésta u otra universidad, que no hayan conducido a la finalización de sus estudios con la consiguiente obtención de un título oficial. **Artículo 17. Aplicación** Los créditos correspondientes a materias o asignaturas previamente superadas por el estudiante, en enseñanzas universitarias no concluidas y que no puedan ser objeto de reconocimiento, serán transferidos a su expediente en los estudios a los que ha accedido con la calificación de origen y se reflejarán en los documentos académicos oficiales acreditativos de los estudios seguidos por el mismo, así como en el Suplemento Europeo al Título. **CAPITULO VI: TRAMITACIÓN Artículo 18. Solicitudes de reconocimiento de créditos.** 18.1 Los expedientes de reconocimiento de créditos se tramitarán a solicitud del interesado, quién deberá aportar la documentación justificativa de los créditos obtenidos y su contenido académico, indicando los módulos, materias o asignaturas que considere superados. 18.2 Será requisito imprescindible estar admitido y matriculado en los correspondientes estudios, salvo en los casos de cambios de estudios oficiales de Grado, según lo dispuesto en la Resolución Rectoral por la que se regula la admisión a los títulos de Grado de la Universidad de Sevilla de los estudiantes que han iniciado anteriormente otros estudios universitarios. 18.3 Las solicitudes de reconocimiento de créditos tendrán su origen en materias o asignaturas realmente cursadas y superadas, en ningún caso se referirán a materias o asignaturas previamente reconocidas, convalidadas o adaptadas. 18.4 Las solicitudes se presentarán en la Secretaría del Centro responsable del título para el que se solicita el reconocimiento dentro de los plazos indicados en el calendario académico de cada curso. **Artículo 19. Documentación acreditativa.** 19.1 En el caso de estudios universitarios cursados, estudios superiores no universitarios u otros estudios no oficiales, se aportará la siguiente documentación:

1. Certificación académica personal de los estudios realizados expedida por el Centro de origen, en la que se haga constar la denominación de las asignaturas superadas y la calificación obtenida en cada una de ellas.
2. Los programas de estudios, sellados por el Centro de origen, con sus contenidos académicos y su carga lectiva en créditos (LRU o ECTS), en su defecto el número de horas semanales y el carácter anual o cuatrimestral de las asignaturas o, en su caso, documentación que acredite las competencias adquiridas y los contenidos formativos cursados. En ambos casos, deberá constar la fecha de vigencia de los mismos.
3. El plan de estudios al que pertenecen y denominación del título.
4. Copia del título obtenido, en su caso.
5. Cuando se aporten estudios extranjeros, la documentación debe estar expedida por las autoridades competentes para ello y deberá presentarse debidamente legalizada (salvo en el caso de Instituciones de Estados miembros de la Unión Europea o signatarios del Acuerdo sobre el Espacio Económico Europeo) y, en su caso, traducida al castellano.
6. En estos casos se deberá aportar también información del sistema universitario de calificaciones del país de origen o escala de calificaciones indicando obligatoriamente la nota mínima para aprobar y los puntos en que se basa la escala e intervalos de puntuación.
7. Cuando los estudios previamente cursados pertenezcan a la Universidad de Sevilla no será necesaria la presentación de certificación académica alguna, los datos necesarios se recabarán de oficio por la Secretaría del Centro.

19.2 Para la acreditación de experiencia laboral o profesional se deberá aportar:

1. Informe de Vida laboral expedido por la Tesorería General de la Seguridad Social en el que se acredite el nombre de la empresa o empresas y la antigüedad laboral en el grupo de cotización correspondiente.
2. Copias compulsadas de los contratos laborales o nombramientos con alta en la Seguridad Social.
3. **En caso de trabajador autónomo o por cuenta propia, se deberá aportar** certificación de la Tesorería General de la Seguridad Social de los periodos de alta en la Seguridad Social en el régimen especial correspondiente y descripción de la actividad desarrollada y tiempo en el que se ha realizado.
4. Memoria con la descripción detallada de las actividades o tareas desempeñadas y el tiempo durante el que se desarrollaron.
5. Certificados de empresa acreditativos de las tareas anteriores y cualquier otro documento que permita comprobar y avalar la experiencia alegada y su relación con las competencias inherentes al título para el que se solicita el reconocimiento de créditos.
6. En el caso de reconocimiento de prácticas curriculares por prácticas extracurriculares solo será necesario aportar la documentación citada en el apartado d) junto con un certificado acreditativo del Secretariado de Prácticas en Empresas y Empleo de la Universidad de Sevilla.

19.3 La documentación acreditativa para el reconocimiento de créditos por la participación en programas de movilidad será la prevista en las correspondientes convocatorias. 19.4 La documentación acreditativa para el reconocimiento de créditos por la participación en actividades universitarias culturales, deportivas, de representación estudiantil, solidarias y de cooperación, será la prevista en la normativa aprobada por el Consejo de Gobierno de la Universidad de Sevilla mediante Acuerdo 5.1/CG 22-7-2010. **Artículo 20. Órganos responsables.** 20.1 En la forma que determine cada Centro se constituirá en cada uno de ellos una Comisión de Reconocimiento de Créditos en la que estarán representados los diferentes sectores de la comunidad universitaria, que estará presidida por el Decano o Director, o Vicedecano o Subdirector en quien delegue y de la que formarán parte el Secretario y el Responsable de Administración del Centro. 20.2 En el caso de la Escuela Internacional de Posgrado se constituirá una Comisión de Reconocimiento de Créditos específica para los títulos de Máster vinculados a la misma, con representación de los diferentes sectores de la comunidad universitaria y con la composición que determine la Dirección de la misma, de la que formará parte, en todo caso, la persona responsable de la administración de la Escuela Internacional de Posgrado. 20.3 Serán funciones de la Comisión de Reconocimiento de Créditos:

1. Analizar las solicitudes presentadas sobre reconocimiento de créditos a partir de estudios universitarios cursados, estudios superiores no universitarios o a partir de experiencia laboral o profesional acreditada por los interesados y realizar la propuesta de resolución correspondiente.

2. En los casos de estudios previos cursados, solicitar informe a los Departamentos Universitarios responsables de las enseñanzas objeto de reconocimiento sobre la adecuación entre las competencias y conocimientos adquiridos por el interesado y los previstos en el plan de estudios para el que se solicita el reconocimiento. Este informe deberá ser evacuado en el plazo máximo de 15 días y no tendrá carácter vinculante. De no emitirse en el plazo señalado se proseguirán las actuaciones de la Comisión.
3. Para la valoración de la experiencia laboral y profesional aportada por los interesados, la Comisión, tras el estudio de la documentación presentada, podrá acordar la realización de una evaluación de los conocimientos y capacidades de los solicitantes para determinar la adquisición de las competencias alegadas. Esta evaluación podrá consistir en entrevistas profesionales, pruebas de competencia, demostraciones prácticas en situaciones similares a las de los puestos desempeñados u otros medios similares y para su realización se podrá contar con la asistencia de especialistas de los Departamentos correspondientes.
4. En los supuestos en que puedan reconocerse automáticamente créditos obtenidos en otras titulaciones de Grado de la misma o distintas ramas de conocimiento, en titulaciones oficiales de Máster o en otros títulos de enseñanza superior, esta Comisión elaborará tablas de reconocimiento de créditos que serán públicas y que permitirán a los estudiantes conocer anticipadamente las asignaturas, materias o módulos que le serían automáticamente reconocidos ante una hipotética solicitud.
5. Emitir informes sobre los contenidos de los recursos administrativos que se interpongan ante el Rector contra las resoluciones de reconocimiento de créditos basadas en las solicitudes indicadas en el apartado 1 anterior.
6. Cualesquiera otras funciones que pudieran asignarse en las disposiciones de desarrollo de esta norma.

20.4 No será necesaria la intervención de la Comisión de Reconocimiento de Créditos y se aprobarán de oficio con carácter automático las solicitudes de reconocimiento de créditos que correspondan a alguno de los supuestos que conlleven el reconocimiento automático, así como las que se deriven del acuerdo de estudios firmado por el estudiante y el Centro con ocasión del disfrute de una plaza de movilidad de los programas ¿SICUE¿, ¿Erasmus¿ o similares. 20.5 Corresponderá al Decano o Director del Centro correspondiente o a la persona responsable de la Escuela Internacional de Posgrado, en su caso, dictar resolución, previa propuesta de la Comisión de Reconocimiento de Créditos, salvo en el supuesto previsto en el apartado anterior. La resolución, que en caso desestimatorio debe ser motivada académicamente, deberá dictarse y notificarse en un plazo máximo de tres meses desde la presentación de la solicitud. 20.6 El vencimiento del plazo sin haberse notificado resolución expresa legitimará al interesado para entenderla desestimada por silencio administrativo. 20.7 Contra las resoluciones del Decano o Director del Centro se podrá interponer recurso de alzada ante el Rector de la Universidad de Sevilla. 20.8 A efecto de la tramitación del procedimiento se declaran inhábiles los periodos no lectivos previstos en el calendario académico de cada curso. **Artículo 21. Solicitudes de transferencia de créditos** Los expedientes de transferencia de créditos se tramitarán a petición del interesado. A estos efectos, los estudiantes que se incorporen a un nuevo estudio, mediante escrito dirigido al Decano o Director del Centro y en los plazos que se establezcan en el calendario académico de cada curso, indicarán si han cursado anteriormente otros estudios universitarios oficiales sin haberlos finalizado, aportando, en caso de no tratarse de estudios de la Universidad de Sevilla, la documentación justificativa que proceda de entre la contemplada en el artículo 19.1. **Artículo 22. Efectos del reconocimiento y transferencia de créditos** 22.1 En el proceso de reconocimiento quedarán reflejados de forma explícita aquellos módulos, materias o asignaturas que no deberán ser cursadas por el estudiante. Se entenderá en este caso que dichos módulos, materias o asignaturas ya han sido superadas, no serán susceptibles de nueva evaluación y se reflejarán en el expediente del estudiante como, módulos, materias o asignaturas reconocidas, indicándose el origen del reconocimiento. 22.2 En todo caso, el reconocimiento de créditos se referirá, al menos, a unidades de matrícula completas, es decir, no se podrá realizar el reconocimiento parcial de una asignatura. 22.3 Cuando la resolución del procedimiento dé lugar al reconocimiento de créditos optativos, el número de créditos reconocidos se minorará del número de créditos optativos exigido por el correspondiente plan de estudios y se reflejará en el expediente del estudiante como créditos optativos reconocidos, indicándose el origen del reconocimiento. En todo caso, el número de créditos optativos reconocidos no podrá superar el número de créditos exigido por el plan de estudios en cuestión. 22.4 En los casos procedentes, tras el proceso de reconocimiento de créditos, se permitirá a los interesados la ampliación de su matrícula en los términos recogidos en las Normas de Matrícula de cada curso académico. 22.5 La calificación de las asignaturas o, en su caso, de los créditos superados como consecuencia de un proceso de reconocimiento será equivalente a la calificación de las materias o asignaturas que han dado origen a éste. En caso necesario, se realizará la media ponderada cuando varias materias o asignaturas conlleven el reconocimiento de una sola en la titulación de destino. 22.6 Las calificaciones se reflejarán en el expediente académico en los términos recogidos en el Real Decreto 1125/2003, de 5 de septiembre, por el que se establece el sistema europeo de créditos y el sistema de calificaciones en las titulaciones universitarias de carácter oficial y validez en todo el territorio nacional. 22.7 No obstante lo anterior, cuando en el expediente académico de origen sólo se haga referencia a las calificaciones cualitativas, se transformarán en calificaciones numéricas, teniendo en cuenta la siguiente tabla de equivalencias:

Calificación	Valor numérico
Aprobado	6
Convalidada	6
Notable	8
Sobresaliente	9,5
Matrícula de Honor	10

22.8 Para los estudiantes que hayan cursado parte de sus estudios en un Centro extranjero, la valoración se aplicará teniendo en cuenta, cuando proceda, las tablas de equivalencia establecidas por la Dirección General de Universidades, por la que se establece el criterio a aplicar para el cálculo de la nota media de los expedientes académicos de los estudiantes con título extranjero homologado. 22.9 Cuando las materias o asignaturas de origen no tengan calificación, las materias, asignaturas o créditos reconocidos figurarán con la notación de ¿Apto¿ y no se computarán a efectos del cálculo de la nota media del expediente. 22.10 El reconocimiento de créditos derivado de enseñanzas cursadas en títulos universitarios no oficiales, el derivado de experiencia laboral o profesional acreditada y el derivado de la participación de los estudiantes en actividades universitarias culturales, deportivas, de representación estudiantil, solidarias y de cooperación no incorporará calificación de los mismos por lo que no computará a efectos de baremación del expediente. En estos casos se reflejarán en el expediente del estudiante con la notación de ¿Apto¿. 22.11 Los créditos transferidos no computarán a efectos de nota media del expediente ni de obtención del título oficial. 22.12 El reconocimiento y la transferencia de créditos exigirán el previo abono de los precios públicos que establezca la Comunidad Autónoma de Andalucía en la norma reguladora que fija los precios por servicios académicos universitarios en las universidades públicas andaluzas. 22.13 Todos los créditos obtenidos por el estudiante en enseñanzas oficiales cursadas, los transferidos, los reconocidos y los superados para la obtención del correspondiente título, serán incluidos en su expediente académico y reflejados en el Suplemento Europeo al Título en los términos que reglamentariamente se establezcan. **DISPOSICIONES ADICIONALES Disposición Adicional Primera. Títulos conjuntos y dobles titulaciones.** En las titulaciones conjuntas establecidas por la Universidad de Sevilla y otra Universidad española o extranjera conducentes a la obtención de un título universitario oficial de Grado o Máster, a los que se refiere el artículo 3.4 del Real Decreto 1393/2007, de 29 de octubre, modificado por el Real Decreto 861/2010, de 2 de julio, y en las dobles titulaciones nacionales o internacionales desarrolladas por la Universidad de Sevilla, se aplicará a efectos de reconocimiento y transferencia de créditos lo dispuesto en el correspondiente convenio de colaboración suscrito por las instituciones

participantes. **Disposición Adicional Segunda. Reconocimiento parcial de estudios extranjeros** Las solicitudes de reconocimiento de créditos por convalidación parcial de estudios extranjeros se ajustarán a lo previsto en el Real Decreto 967/2014, de 21 de noviembre, y sus disposiciones de desarrollo, y con carácter supletorio por las presentes normas. **Disposición adicional Tercera. Aplicabilidad a los Centros Adscritos.** Los criterios y procedimientos contenidos en la presente normativa también serán de aplicación a los Centros Adscritos a la Universidad de Sevilla, en cuanto no contravengan lo dispuesto en los convenios de colaboración existentes. **Disposición Adicional Cuarta. Cita en género femenino de los preceptos de estas normas** Las referencias a personas, colectivos o cargos académicos figuran en el presente reglamento en género masculino como género gramatical no marcado. Cuando proceda, será válida la cita de los preceptos correspondientes en género femenino. **DISPOSICIÓN DEROGATORIA Disposición Derogatoria.** 1. Quedan derogadas las Normas Básicas sobre Reconocimiento y Transferencia de Créditos en la Universidad de Sevilla aprobadas por Acuerdo 5.1/CG 30-9-08. 2. Queda derogado el Acuerdo 4.7/CG 29-4-2011 sobre límites de créditos a cursar en programas de movilidad estudiantil. 3. Asimismo, quedan derogadas cuantas disposiciones de igual o inferior rango se opongan a lo establecido en la presente norma. **DISPOSICIONES FINALES Disposición final Primera. Título competencial** Esta normativa se dicta al amparo de lo dispuesto en el artículo 6.1. del Real Decreto 1393/2007, de 29 de octubre, modificado por el Real Decreto 861/2010, de 2 de julio, por el que se establece la ordenación de las enseñanzas universitarias oficiales, que atribuye a las universidades la competencia de elaborar y hacer pública su normativa sobre el sistema de reconocimiento y transferencia de créditos. **Disposición final Segunda. Habilitación para el desarrollo normativo.** Se habilita al Rector de la Universidad de Sevilla para dictar las resoluciones que fueran necesarias para el cumplimiento y/o desarrollo de lo dispuesto en estas normas. **Disposición final Tercera. Entrada en vigor.** La presente normativa, una vez aprobada por el Consejo de Gobierno, entrará en vigor tras su publicación en el Boletín Oficial de la Universidad de Sevilla.

4.6 COMPLEMENTOS FORMATIVOS

5. PLANIFICACIÓN DE LAS ENSEÑANZAS

5.1 DESCRIPCIÓN DEL PLAN DE ESTUDIOS
Ver Apartado 5: Anexo 1.
5.2 ACTIVIDADES FORMATIVAS
No existen datos
5.3 METODOLOGÍAS DOCENTES
No existen datos
5.4 SISTEMAS DE EVALUACIÓN
No existen datos
5.5 NIVEL 1
No existen elementos Nivel 1

6. PERSONAL ACADÉMICO

PERSONAL ACADÉMICO
Ver Apartado 6: Anexo 1.
6.2 OTROS RECURSOS HUMANOS
Ver Apartado 6: Anexo 2.

7. RECURSOS MATERIALES Y SERVICIOS

Justificación de que los medios materiales disponibles son adecuados: Ver Apartado 7: Anexo 1.

8. RESULTADOS PREVISTOS

8.1 ESTIMACIÓN DE VALORES CUANTITATIVOS		
TASA DE GRADUACIÓN %	TASA DE ABANDONO %	TASA DE EFICIENCIA %
CODIGO	TASA	VALOR %
No existen datos		
Justificación de los Indicadores Propuestos:		
Ver Apartado 8: Anexo 1.		
8.2 PROCEDIMIENTO GENERAL PARA VALORAR EL PROCESO Y LOS RESULTADOS		

9. SISTEMA DE GARANTÍA DE CALIDAD

ENLACE	
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10. CALENDARIO DE IMPLANTACIÓN

10.1 CRONOGRAMA DE IMPLANTACIÓN	
CURSO DE INICIO	2017
Ver Apartado 10: Anexo 1.	
10.2 PROCEDIMIENTO DE ADAPTACIÓN	
10.3 ENSEÑANZAS QUE SE EXTINGUEN	
CÓDIGO	ESTUDIO - CENTRO

11. PERSONAS ASOCIADAS A LA SOLICITUD

11.1 RESPONSABLE DEL TÍTULO			
NIF	NOMBRE	PRIMER APELLIDO	SEGUNDO APELLIDO
27301910J	MARIA DEL CARMEN	GALLARDO	CRUZ
DOMICILIO	CÓDIGO POSTAL	PROVINCIA	MUNICIPIO
C/ San Fernando, 4	41004	Sevilla	Sevilla
EMAIL	MÓVIL	FAX	CARGO
direccioneipd@us.es	669569672	954556982	Directora de las Escuelas Internacionales de Postgrado y Doctorado
11.2 REPRESENTANTE LEGAL			
NIF	NOMBRE	PRIMER APELLIDO	SEGUNDO APELLIDO
31862344F	CRISTINA MARIA	YANES	CABRERA
DOMICILIO	CÓDIGO POSTAL	PROVINCIA	MUNICIPIO
C/ San Fernando, 4	41004	Sevilla	Sevilla
EMAIL	MÓVIL	FAX	CARGO
vordenacion@us.es	669569672	954556982	Vicerrectora de Ordenación Académica
El Rector de la Universidad no es el Representante Legal			
Ver Apartado 11: Anexo 1.			
11.3 SOLICITANTE			

El responsable del título no es el solicitante			
NIF	NOMBRE	PRIMER APELLIDO	SEGUNDO APELLIDO
28541229T	AGUSTÍN	DEL CASTILLO	GARCÍA
DOMICILIO	CÓDIGO POSTAL	PROVINCIA	MUNICIPIO
C/ San Fernando, 4	41004	Sevilla	Sevilla
EMAIL	MÓVIL	FAX	CARGO
ordenacion@us.es	669569672	954556982	Director Técnico del Área de Ordenación Académica

Apartado 1: Anexo 1

Nombre :Convenio_NuPhys_Sede.pdf

HASH SHA1 :592D9B0FC3A736C3D9B3E257ABC2960E3BDCF39C

Código CSV :258013748465950442998676

Ver Fichero: Convenio_NuPhys_Sede.pdf

Apartado 1: Anexo 2

Nombre :Sello_Erasmus_Mundus.pdf

HASH SHA1 :C561BCC0B62ABAB7B0913BA8FA4EDCAD74354D30

Código CSV :234912768922636734438672

Ver Fichero: Sello_Erasmus_Mundus.pdf

Apartado 5: Anexo 1

Nombre :Planificacion_ensenanza.pdf

HASH SHA1 :01F9B2AD8666C79717AC4E502B486B194CBE8978

Código CSV :258040891156858884060219

Ver Fichero: Planificacion_ensenanza.pdf

Apartado 6: Anexo 2

Nombre :No_procede.pdf

HASH SHA1 :BBE31473D0AFD9FC5F3D3A5C3FD8C37A658BFCAC

Código CSV :255070721857308196038793

Ver Fichero: No_procede.pdf

Apartado 10: Anexo 1

Nombre : Cronograma_implantacion.pdf

HASH SHA1 : 9211211D44B486B76D535BFF5E6A50AA6E0B2077

Código CSV : 254993909706671444411825

Ver Fichero: Cronograma_implantacion.pdf

Apartado 11: Anexo 1

Nombre :Delegacion_FIRMA_Cristina_NUEVO.pdf

HASH SHA1 :DA58EFB2429230ED5C5685CF7FFEDD93C66041E1

Código CSV :234920131068954969302590

Ver Fichero: Delegacion_FIRMA_Cristina_NUEVO.pdf

