



Prof. Peter Gudmundson
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Brussels, 11 July 2011
ARES (2011) 743450

Re: Erasmus Mundus Action 1.B - Joint Doctorate Programmes - Call for Proposals EACEA/41/10
Title: Environomical Pathways for Sustainable Energy Services
Ref.: 520332-1-2011-1-SE-ERA MUNDUS-EMJD
(Please quote this number in all correspondence)

Dear Prof. Peter Gudmundson

You have submitted a proposal under Action 1.B in the framework of the Erasmus Mundus Call for proposals EACEA 41/10.

I am pleased to inform you that your above-mentioned proposal has been selected.

The Agency received 140 proposals under Action 1.B – Joint Doctorate Programmes. 10 of these proposals were selected for funding, and 1 is on the reserve list.

All proposals were assessed with the assistance of independent academic experts. Enclosed you will find the consolidated version of the experts' assessments of your proposal. Please take account of the fact that most of the assessments were written by non-native speakers and that the Agency cannot comment on these independent assessments.

The selection decision is based on the quality of the proposal, its relative position in comparison with the other proposals received, the budget available, as well as the specific selection procedure.

You will find attached the short summary of your proposal that was included in your e-application. We would appreciate if you could revise and, if necessary, amend it in order for us to be able to publish it on the Agency's website in early September. The objective is to inform potential fellowship candidates about the content of your joint programme and allow them to contact you, if need be. In this context you should ensure that your joint programme's summary includes the address of an active and comprehensive consortium website. Please return the updated summary to EACEA-Erasmus-Mundus@ec.europa.eu, using your project number as reference, **by 08/08 at the latest**. Note that if we do not hear from you by that date, the Agency will publish the summary as it is.

We would also like to take this opportunity to invite you and a representative of one of your consortium partners to the 2011 Erasmus Mundus Coordinators' meeting for newly-selected

projects which will take place in Brussels on 23 September 2011. Travel and accommodation expenses will be covered for both of you. Please note that this venue is limited in space and we cannot allow for the participation of more than two representatives of your project. A full programme of the event and practical information will follow in a message later in July. This message will also contain a password allowing you to register on the conference web-site: <http://emcoordinatorsmeeting.teamwork.fr/>

In addition we would like you to take note of the following information:

- Consortia should ensure that the consortium's website and any other promotion activities/material are ready to be used by next September at the latest so that they can start promoting and advertising for potential fellowship candidates.
- As explained in the Programme Guide, consortia will sign a 5-year Framework Partnership Agreement (FPA) that will be sent for signature by the end of the summer. For the preparation of this document, please complete a "Legal Entity" form (http://ec.europa.eu/budget/execution/legal_entities_en.htm) and a "Financial Identification" (http://ec.europa.eu/budget/execution/ftiers_en.htm) form. Originals signed by your institution's legal representative should be returned to the Agency to the following address as soon as possible so as to allow us producing your FPA:

Erasmus Mundus and External Cooperation Unit
EACEA – "Education, Audiovisual and Culture" Executive Agency
Avenue du Bourget, 1 (BOUR 02/31) – 1140 Brussels, Belgium

Please note that the signature of the FPA does not trigger any fellowship or grant payment. The first Specific Grant Agreement (SGA) including the individual fellowships and the consortium flat rate will be sent in the first semester of 2012. In order to benefit from this grant, selected consortia will have to have completed their first doctoral candidate selection and submitted to the Agency the main and reserve lists of their fellowship candidates. The submission deadline for these lists will be 28 February 2012. The relevant application document and procedure will be sent to the consortium in the autumn.

- The signature of a final Consortium Agreement and a final template for the Doctoral Candidate Agreement that will be signed between the consortium and the enrolled candidates is a mandatory condition for the award of the first SGA. Consortia should prepare and finalise these documents during the second semester of 2011 so as to send them to the Agency at the latest by the above mentioned fellowship application deadline. Examples of existing Consortium and Doctoral Candidate Agreements are available under the following "best practice" page of the Erasmus Mundus website:

http://eacea.ec.europa.eu/erasmus_mundus/tools/good_practices_en.php.

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

Sincerely Yours,



Joachim Fronia
Head of Unit

Annex: Comments and recommendations from the academic experts who assessed your proposal.

Proposal number:	520332-EM-1-2011-1-SE-ERA MUNDUS-EMJD
Proposal title:	Environomical Pathways for Sustainable Energy Services
Coordinator:	Prof. Peter Gudmundson
Applicant organisation:	Kungliga Tekniska Högskolan

Award Criteria
B.1 Academic and Research quality (25% of the max. score)
<p>This EMJD is proposed in the field of engineering in sustainable and renewable sources of energy. The proposal gives a convincing picture of the very important needs in such resources in the near future.</p> <p>Multidisciplinary and development of innovative technologies with real market potential are well addressed.</p> <p>Specific and general objectives of the EMJD match quite well with the analysis of needs but it fails to describe the job market for young researchers.</p> <p>This EMJD is very innovative since it is end-to-end: its main goal is to identify, test, implement and commercialize highly efficient energy technologies.</p> <p>No proper comparison is performed by the consortium with the other similar degrees in Europe and worldwide. However, this EMJD will bring a lot of added value compared to any national doctorate. It is very distinct in many educational aspects.</p> <p>Some new educational experiences will be included and integrated in the programme such as a "project of the year" and a closer collaboration with industries.</p> <p>The program is very innovative in its teaching practices, in its mobility patterns and in how students select the research subjects.</p> <p>The idea of creating a strong interaction between the academic sector and the industrial one is further added value.</p> <p>An individual study plan (ISP) is foreseen as well as specific training in IT-based communication tools.</p> <p>There is not sufficient information about the content of the modules.</p> <p>The many industrial partners as well as the three private research centres are key elements of this</p>

EMJD and are engaged in different fields.

It is said that "A certain amount of the funding from Erasmus Mundus is set aside for various competitions, in which also members outside the core partnership are invited". The precise meaning of this sentence is unclear.

Mobility placements will be performed at both university and industry, which is excellent.

The outcomes are in line with the objectives and the trained skills portfolio includes entrepreneurship and international teamwork.

Educating product-oriented researchers with international mobility and industrial experience brings added value.

B.2 Partnership experience and composition (25% of the max. score)

The consortium composition with eight core universities, three research centres, six associated academic and 9 non-academic partners (also from third countries) ensures a high scientific level, a correct commitment and the necessary competencies in the field of the EMJD.

A strong business school is added to the consortium and is responsible for the entrepreneurship-related research and teaching activities. This is quite innovative.

Some previous collaboration activities are described as EMJD, EMMC and Marie Curie training.

The information included in part A and in the CVs give a good overview of the skills of the involved key staff but reference to previous monitoring of PhD theses are not made available in all cases.

Complementarity in the elective courses and in research expertise is good.

Geographical and educational diversity are assured.

This proposal tends to refer too much to the Annexes. In the B.2.3 section, no concrete numeric figures are given, for example the number of co-publications, the number of co-PhDs, etc...

The presented information is not sufficiently analyzed or summarized in the application to give the best overview.

Reference to attached annexes are not always consistent.

The professional sector participation to this EMJD is presented only in general terms in B.2.4., but it appears relevant.

Furthermore the "project of the year" will develop a closer and direct collaboration with the enterprises.

B.3 European integration and functioning of the programme (20% of the max. score)

The structure of the EMJD is completely and clearly detailed through a figure, where different options are included as well as the innovation camps and the virtual incubator.

All education and training are validated by ECTS, and it is excellent that each student will have an Individual Study Plan. It is very innovative to have planned options for an intermediate degree,

corresponding to 60 or 120 ECTS for students not finishing their PhD

A consulting group (3 members: academic I and II, and industrial) will be an important reference for all students.

This EMJD proposes "physical mobility" and "mental mobility" in 3 different research environment that can be also non-academic.

This could be an excellent way of educating young researchers with e-technologies, or this could prove a lack of real human contacts and interactions. The innovation camp can be considered as an added value.

The application, selection and admission mechanisms seem very good. Priority is given to educational and academic background, and a personal interview to check the motivation is also foreseen.

The proposal take account of all students' special needs and lifelong learning possibilities. However it lacks details on the concrete measures taken to ensure gender balance at admission.

The requirement of a 120 ECTS for master degree should be better replaced with a 300 ECTS general requirement (bachelor + master).

The fee calculation and fee structure is quite clear and justified when we take into account the information included in A17. There is a "cash" contribution of 10,000 €/year from each partner university.

The joint supervision is classic but adequate, but there is no mention of a "co-supervision" agreement in B.3.5 defining the rights and duties of each supervisor is given in B.3.5 . However, it is mentioned later in B.5.1, and this problem of information location is present elsewhere in the proposal.

It is very good that external members are invited to monitor some projects. Requirement to obtain the final degree are also described here.

Double degrees are possible among the consortium and two partner institutions present the possibility of awarding a joint degree.

A task force will work so that a full joint degree will be delivered in the future.

B.4 Provisions for EMJD candidates and fellowship holders (15% of the max. score)

The promotion strategies (personal contacts, energy gateway web-page, specific links, existing networks) are well described and seem to be consistent. More could be done in order to attract applicants from non-European countries.

There is a reference (as in point B.3.3) to gender balance and equal opportunities.

This EMJD offers an excellent set of services to the students, both at the local level and at the joint unique administration.

Visa and travel arrangements are also foreseen. A welcome package and the mentor/student coach system are envisaged.

The working language is English.

Scientific writing courses and technical English courses are offered and integrated in the curriculum

as well as local language courses.

Fully academic recognition is assured.

Employment contracts are discussed in another section, and B.4.4 is not detailed enough since answers are given in general terms, referring to the annexes. A gross or net income for the student should have been presented.

There is a clear reference to the Doctorate Candidate agreement and a complementary insurance.

The consortium will offer an integrated career management service to the students, which is of very high quality.

A quite wide range of measures is described in the application for enhancing the job opportunities.

A special information site for both university and private sector is foreseen as well as an integrated career management service.

The Doctoral Candidate Agreement transparently reflects the rights and obligations of both partners.

The main aspects (professional, recognition, ethical, anti-discrimination, evaluation) are correctly described.

The reference to the European Charter for research and the Code of good Conduct for Recruitment are also included.

B.5 Programme Management and Quality Assurance (15% of the max. score)

The organizational arrangements and cooperation mechanisms of the consortium are well described in the application.

The role and the composition of the 4 boards and committees is briefly but clearly included (in a chart).

The development and sustainability plan is briefly described, and this EMJD is closely linked to business with sustainable energies.

The commitment of the industrial partner and the development of an attractive (for the industries) research project are clear.

The complementary funding possibilities have been very well explored. An amount corresponding to 35% of the EU funding is secured.

Consistent data over an 8-year period are illustrated.

The internal evaluation will follow usual best practice methods once a year.

Annual reports from students and survey concerning the general management from the HEIS will give the necessary feedback for the final report.

The external advisory committee consisting of external scientific and management experts will be in charge of the external evaluation, which is very good.

Other comments on the proposal

The EMJD proposal SELECT+ is the result of a collaboration of 26 partners, with 8 core universities,

additional HEIs, research partner and private enterprises, with a great European dimension.

The topic is in the field of sustainable energies.

SELECT+ is a very demanding PhD programme with duration of 4 years. 11 students are foreseen.

A longstanding collaboration with previous relationships as well as experience in European projects among the consortium partners is described also in part A.

The given information is in all parts of the application clear and consistent.

The programme will undoubtedly provide students with significant added value in science and in education, which will jump-start their career. The presence of partners from the industrial sector and private research centre is important and increases the connection with the professional non-academic world, and enhances the professional opportunities of the PhD students. The socio-economic needs are very important, although the proposal fails to present the job market in sufficient detail.

The course can prepare the students to be businessmen(women), and take them to the level where they could start their own company at the end of the PhD.

The consistent development brings added value, and there is a briefly described sustainability plan. Some external funding is described and secured (with auto-funding) and at the same time the fee structure and the budget are quite clear and justified. Quality assurance (internal and external) is well addressed.

The individual (personalized) study plan is very innovative, but there is not sufficient information about the contents of the modules.

Transversal skills like entrepreneurship and international teamwork will be also taught ,as well as foreign language skills. Local language courses are truly integrated in the EMJD.