



ERASMUS MUNDUS
DOCTORATE
IN MEMBRANE ENGINEERING



CALL FOR APPLICATION TO ERASMUS MUNDUS DOCTORATE IN MEMBRANE ENGINEERING ("EUDIME") – THIRD EDITION (ACADEMIC YEAR 2013-2014)

THE RECTOR

Having regard to the Decision No 1298/2008/EC of the European Parliament and of the European Council on 16 December 2008 establishing the Erasmus Mundus 2009-2013 action programme for the enhancement of quality in higher education and for the promotion of intercultural understanding through cooperation with third countries;

Having regard to the selection results for the Call for Proposal EAC/29/09 – Erasmus Mundus Action 1, establishing that the Erasmus Mundus Doctorate in Membrane Engineering ("EUDIME") is approved (project reference: 511944-1-2010-1-IT-EMJD), and recognizing the Università della Calabria (Italy) as the beneficiary organization of the Action;

Having regard to the Framework Partnership Agreement nr. 2011-0014 established between the Education, Audiovisual and Culture Executive Agency ("EACEA") acting under powers delegated by the Commission of the European Union, and the Università della Calabria (Italy) acting as Coordinating Institution of the Erasmus Mundus Doctorate in Membrane Engineering ("EUDIME") and represented by its Rector;

Considering that the *Università della Calabria* ("UNICAL"), the *Universiteit Twente* ("UTWENTE"), the *Vysoká škola Chemicko-Technologická v Praze* ("ICTP"), the *Université Montpellier 2 Sciences et Techniques* ("UM2"), the *Université Paul Sabatier* ("UPS"), the *Katholieke Universiteit Leuven* ("KULEUVEN"), the *Universidade Nova de Lisboa* ("UNL"), and the *Universidad de Zaragoza* ("UZA") will co-operate to the implementation of the doctoral programme EUDIME according to the modalities specified in the Consortium Agreement;

Considering that English is recognized as the official language of the Consortium;

HEREBY DECREES

Article 1 – Implementation

1. A public competition for admission to the Third Edition of the doctoral programme "Erasmus Mundus Doctorate in Membrane Engineering" EUDIME (Academic Year 2013-2014) is open to European and non-European candidates, regardless of age and citizenship, under admission requirements specified in Article



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2. The administrative coordination, concerning this public selection, is established at the *Università della Calabria* (UNICAL) as a Coordinating Institution of the EUDIME Consortium.
2. The selection of candidates is a competitive process based on academic excellence, curriculum vitae, professional experience, motivation, recommendation letters, English proficiency (recognized as official language of the EUDIME Programme), research project and other qualifications. Applicants will be asked to confirm their overall qualification by interview via tele- or video-conference in accordance with modalities and dates that will be indicated on the official website of EUDIME programme (<http://eudime.unical.it>). All information to candidates will be notified by e-mail only.
3. The **application deadline** is set on **December 3rd 2012** (mid-night CET). Applications received after the deadline will be not considered.
4. The Erasmus Mundus Doctorate in Membrane Engineering offers to doctoral students a high education programme in the field of research related to membrane science and technology. The maximum duration of the doctorate programme is four years. The scheduled mobility, considered as relevant and instrumental to the fulfilment of the doctoral activities, ensures that the doctoral candidate will spend training/research periods in at least two Institutions of the EUDIME Consortium established in two different Countries.

Article 2 – Admission Requirements

1. This competition is open to candidates who hold a 2nd Level Master Degree (120 ECTS) or a Single-Cycle Degree (minimum 240 ECTS) in Chemical Engineering or Bio-Engineering, Materials Science, Chemistry or a equivalent degree in a pertinent field which has been conferred according to the rules and regulations in force in the applicant's Country, or an equivalent foreign academic qualification.
2. In the case of academic degree(s) obtained in a country other than Institutions' countries of the EUDIME Consortium, should the qualifications not have been already deemed equivalent, the candidate shall require this recognition be granted for this public selection purposes only. In such case, candidates shall provide a certified copy of academic degree(s), stating the final classification obtained, in original language and relative translation in English, as expressly requested in the Application Form.

Article 3 – Application

1. In order to access to EUDIME programme, applicants are requested to properly fill the Application Form enclosed to the present call, available at the official EUDIME website <http://eudime.unical.it>, and to provide all documents requested. Incomplete applications will be rejected. Applicants must preventively register on-line at the official website of EUDIME programme; after successfully registering, applicants must login and upload in electronic format all requested documents according to instructions provided in the Application Form. Receipt of application is acknowledged by e-mail. In case the applicant will not receive the confirming e-mail within 7 days, he/she is asked to contact the EUDIME Coordinating Team at eudime@unical.it. Applications received after the deadline indicated in Article1 will be not considered.
2. Applications shall report – under the candidates' responsibility and at the risk of exclusion from the public selection – the following information:
 - a) the applicant's full name, date and place of birth, contact telephone number, mail and e-mail address for correspondence;



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- b) the applicant's citizenship(s);
- c) detailed and signed Curriculum Vitae in English, specifying scientific and professional experiences, academic degrees, publications and special skills;
- d) copy of all pages of the international passport (preferably) or a valid identification card;
- e) certified copy of academic degree(s) in original language and translated in English, stating the final classification obtained, as well as certified copies of official transcripts (mark sheets) of academic courses attended to obtain each degree (Bachelor, Master or equivalent) with translation in English, and correspondent Grade Point Average;
- f) signed Letter of Motivation in English, covering the following aspects: what made the candidate decide to apply to EUDIME Doctorate, which skills and abilities make the applicant a good candidate for EUDIME, motivations to carry out research abroad, professional interests in coming to Europe for education (statement of purpose);
- g) two Reference Letters signed by a university lecturer, researcher or expert in the area of Membrane Science and Engineering. Letters must be printed on letterhead;
- h) a short Research Statement, describing a proposal related to the preferred EUDIME research area (as in paragraph 6 of the Application Form). The EUDIME Consortium reserves the right to assign a research track different from that proposed by the candidate;
- i) official proof of English language proficiency (if any) providing evidence that the applicant's level of proficiency of the English language;
- j) any other qualifications relative to the areas of the research dealt with in the doctoral programme.

Applicants with disabilities or special needs may apply, if they wish, for special aids to take the entry examination. Applicants who wish to make use of this facility must enclose a medical certificate substantiating the validity of their request with their application form.

- 3. The personal statement in the Curriculum Vitae is deemed to be official substitute certification or formal declaration before a commissioner of oaths. Should rules and regulations concerning substitute statements not be applicable, candidates shall nonetheless take civil, administrative and legal responsibility for the statements reported in their Curriculum Vitae. The EUDIME administrative staff reserves the right to ascertain the truthfulness of such statements, as governed by laws in force. Candidates who make false statements will be automatically excluded from the enrolment procedure, and any grant awarded will be retroactively withdrawn. Further administrative and/or penal sanctions foreseen by the laws and legislation in force may also be applied.
- 4. The EUDIME Consortium is not responsible for lost messages due to mistaken indications of e-mail address or late communication of any change of address by the candidate. The EUDIME Consortium is not responsible for problems in communication due to electronic system failures.
- 5. The EUDIME Consortium reserves the right to enforce, even after the public selection is over, sanctions which exclude candidates who have failed to comply with or meet up to requirements herein established.

Article 4 – Selection Procedures

The Admission & Examination Committee ("A&EC") is in charge of the selection of applicants. Selection procedures are accomplished during 2 meetings organized by the EUDIME Coordinator via video-conference/software that enables the world's video-conversations. In a first meeting, to be held not later than January 12th 2013, A&EC verifies the coherence of applications with admission criteria and provides a ranked selection list



(to be published on the EUDIME website: <http://eudime.unical.it>) made on the basis of pre-defined, fair, transparent and objective evaluation criteria where CV, educational background, scientific/professional experience, research project, letters of motivation and recommendation.

Academic Degree(s)	From 1 to 5, proportionally to final score		
	<i>Very good</i>	<i>Good</i>	<i>Fair</i>
Professional/Scientific experience	2.0	1.0	0.5
Research proposal	1.0	0.5	0.25
Motivation/Recommendation letters	1.0	0.5	0.25
Interview (second step)	From 0 to 3.0		

Recognition and evaluation of qualifications will focus on judging the achievements of the person rather than his/her circumstances or the reputation of the Institution where the qualifications were gained. Mobility experiences will be recognized as a valuable contribution to the professional development of a researcher. For female applicants, career breaks in CVs due to maternity will not be penalised.

In a second meeting, to be held not later than February 8th 2013, A&EC finalises the selection list by interview via video-conference/ software that enables the world's video-conversations to candidates. Final selection results will be available on the EUDIME website (<http://eudime.unical.it>) and communicated by e-mail to successful applicants. Information about the date of the examination will be given on the EUDIME website. In order to sustain the interview, candidates will be asked to identify themselves by proving coherence with data included in the identity document they enclosed with the Application Form.

Article 5 – Examining Commission and its functions

1. The Admission & Examination Committee (“A&EC”) is in charge of the selection of applicants. A&EC includes the EUDIME Coordinator and one academic staff member – well reputed in the field of membrane engineering - per full partner university.
2. According to deadlines indicated in Article 4, once the first phase is completed, the commission will draw up a ranked list of the applicants based on the selection marks achieved. The ranked list will be available on the EUDIME Consortium web site: <http://eudime.unical.it>. Most valuable candidates will be also informed via e-mail about date and modalities of the following selection step (interview). Final results will be available on the EUDIME Consortium web site: <http://eudime.unical.it>. The final result will be communicated to applicants by e-mail.

Article 6 – Admission to the doctoral programme

1. Candidates are eligible to be admitted to EUDIME programme according to the order in which they appear in the final list until all available positions. Candidates eligible for a EMJD fellowship are defined on the basis of selection ranking under constraints as per article 7. Candidates who are eligible to be admitted to



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- EUDIME programme, but not adequately positioned to receive a EMJD fellowship, will be inserted in a reserve list, so having the possibility to access the courses in case of renunciation by admitted students.
2. Admission to EUDIME doctoral programme and assignment of EMJD fellowships will be notified to applicants only upon the approval of the final list by the Education, Audiovisual and Culture Executive Agency (<http://eacea.ec.europa.eu>).
 3. In order to be admitted to the doctoral programme, the individual candidate and the EUDIME coordinator must sign a Doctoral Candidate Agreement. This agreement defines the joint programme and the training/research implementation rules and mechanisms, as well as mutual rights, obligations, and responsibilities of the two parties for what concerns the academic, administrative and financial aspects of the doctoral student participation to EUDIME programme.

Article 7 – Fellowships

1. EUDIME Programme, through the European Commission, will offer a limited number of Erasmus Mundus fellowships (“EMJD fellowships”) to non-European and European students. According to the definition stated in the European Commission Erasmus Mundus Programme Guide 2009-2013, we hereby consider the following two categories:
 - i. **Category A** fellowships can be awarded to doctoral candidates selected by the EUDIME Consortium, who come from a Country other than a Member State of the European Union, or from an EEA-EFTA State (i.e. Iceland, Norway and Lichtenstein), Turkey, the Western Balkan Countries (i.e. Albania, Bosnia-Herzegovina, Croatia, Kosovo under UNSC Resolution 1244/99, the Former Yugoslav Republic of Macedonia, Montenegro and Serbia) or Switzerland, 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. The only exception to this rule applies to Third-Country doctoral candidates who have previously received an Erasmus Mundus masters scholarship in order to follow an Erasmus Mundus Master Course;
 - ii. **Category B** fellowships can be awarded to any doctoral candidate selected by the EUDIME Consortium and who do not fulfil the Category A criteria defined above. Category B fellowship holders must perform their training/research periods in at least two different Countries represented in the Consortium; these two Countries must be different from the Country in which the doctoral candidate has obtained his/her last university degree.

The Erasmus Mundus fellowships will cover a **maximum period of three years**. Individual EMJD fellowships are awarded exclusively for full-time enrolment. Doctoral candidates benefiting from a EMJD fellowship cannot benefit from other Community grants while carrying out their Erasmus Mundus doctoral activities. EMJD fellowships cannot be assigned to more than two candidates having the same citizenship. Details on additional eligibility criteria for EMJD fellowships are clearly stated in the EUDIME Application Form.

The Erasmus Mundus fellowships will be awarded in the form of employment contracts, except in adequately documented cases (e.g. related to institutional or national practice) or where national regulation would prohibit this possibility. If such a contract may not be awarded, the pertinent universities of EUDIME Consortium may opt for different approaches compatible with the national legislation and with the necessary social security coverage for the fellowship holders.

The exact number of EMJD fellowships will be communicated from EACEA to EUDIME Consortium only at the end of the selection procedure. Indicatively:



- i. n.5 (at maximum) for Category A applicants who come from a Country other than a Member State of the European Union different than the previous ones;
- ii. n.1 (at maximum) for Category A applicants who come from Turkey or Western Balkan Countries (i.e. Albania, Bosnia-Herzegovina, Croatia, Kosovo under UNSC Resolution 1244/99, the Former Yugoslav Republic of Macedonia, Montenegro and Serbia);
- iii. n.3 (at maximum) for Category B applicants.

The **gross amounts** of individual EMJD fellowships are below detailed:

	CATEGORY A	CATEGORY B
Fixed contribution to travel, installation and any other type of costs	€ 7,500	-
Fixed contribution to doctoral candidate participation costs (education and research related costs, attendance at meetings, conferences etc.)	€ 7,200/year (total: € 21,600 over 36 months)	€ 7,200/year (total: € 21,600 over 36 months)
Fixed living allowance	€ 2,800/month (total: € 100,800 over 36 months)	€ 2,800/month (total: € 100,800 over 36 months)

For EMJD fellowship holders, participation costs (7,200 Euros/year) will be directly retained by the EUDIME Consortium from the gross amount of the individual EMJD fellowship. The net amount of salary will result from deducting all relevant charges and taxes according to national regulations.

2. The total number of grants may increase, also successively to the publication of the present call, on the basis of special agreements with public or private Institutions. The amount of additional grants can differ from the amount of EMJD fellowships. The additional grants will be assigned to eligible applicants, although not selected for EMJD fellowships. In this case, EUDIME doctoral students commit themselves to pay course tuition fees (1000 Euros/year). EMJD fellowships and additional grants do not cover: i) any period preceding the official enrolment date, even if it includes the actual start of the course; ii) any course extension; iii) any additional period required to sustain the defence of the thesis.

Article 8 – Enrolment Application

Applicants admitted to the doctoral course will lose their entitlement if they fail to make express acceptance within eight working days after publication of the final ranking list on the EUDIME website (<http://eudime.unical.it>). In such a case, the position will be taken by the next eligible applicant according to the final ranking list.



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In addition, doctoral candidates will be asked to provide: i) a certified copy of an identity document or other valid identification document; ii) evidence that all procedures for VISA request have been properly submitted (non-European candidates only); iii) receipt of payment of the annual tuition fees (1,000 Euro/year) as indicated in Article 7 (non-EMJD fellowship holders only).

Article 9 – Withdrawals and Prohibitions

1. Enrolment to any additional course which assigns an academic qualification, even at universities external to EUDIME Consortium, is not allowed.
2. Failure to obtain admission to subsequent years of the doctoral programme, or exclusion due to severe misconduct or inadequate scientific outcome - in relation to the evaluation procedures established by the Admission & Examination Committee - shall cause the withdrawal of the grant and the obligation for the student to return the instalments already received for the current year.
3. A granted doctoral student who drop out the course due to grave and adequately certified problems is allowed to keep the annual portion of the grant corresponding to the period of research activity accomplished, if - and only if - the Admission & Examination Committee states that the student activity up to that moment is regular and fruitful.
4. Candidates who are found to have made false statements shall be excluded from the doctoral programme. Criminal punitive measures for the issuing of false documentation and untruthful statements may also be applied.

Article 10 – Degrees awarded

1. Compulsory elements for a successful completion of the doctoral programme are:
 - a) the candidate must have regularly and fruitfully attended all scheduled training/research activities;
 - b) the candidate must have fulfilled the two scheduled mobility periods;
 - c) the candidate must succeed in the final public defence of the PhD thesis.
2. A multiple doctoral degree, released by the University where the doctoral candidate has accomplished the most part of his training/research activity ("Home University") and by the full member Universities where the PhD student has fulfilled his compulsory mobility periods ("Hosting Universities"), will be awarded to the successful doctoral candidate in conformity with the respective national regulations in force.
A list of the official names of the degrees awarded by each institution of the EUDIME Consortium is reported below:

UNIVERSITY	OFFICIAL NAME OF THE DEGREE IN NATIONAL LANGUAGE	OFFICIAL NAME OF THE DEGREE IN ENGLISH
Università della Calabria (Italy)	Dottorato di Ricerca Erasmus Mundus in Ingegneria delle Membrane	Erasmus Mundus Doctorate in Membrane Engineering
Universiteit Twente (The Netherlands)	Doctor aan de Universiteit Twente	Doctor at the University of Twente
Vysoká škola Chemicko-Technologická v Praze (Czech Republic)	Doktorský Studijní Program Chemie a Chemické Technologie	Doctorate in Chemistry and Chemical Technologies
Université Montpellier 2 Sciences et Technique (France)	Doctorat en Sciences Chimiques	Doctorate in Chemical Science



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Université Paul Sabatier (France)	Doctorat en Genie des Procèdes et de l'Environnement	Doctorate in Process and Environmental Engineering
Katholieke Universiteit Leuven (Belgium)	Doctor in de Bio- Ingenieurswetenschappen	Doctorate in Applied Biological Sciences
Universidade Nova de Lisboa (Portugal)	Doutor em Engenharia de Membranas	Doctor in Membrane Engineering
Universidad de Zaragoza (Spain)	Doctor/a Erasmus Mundus en Doctorate in Membrane Engineering	Erasmus Mundus Doctorate in Membrane Engineering

Article 11 – Personal Data Protection

Personal data supplied by candidates will be handled by the University of Calabria - Office for Scientific Research Area and International Affairs, and used for selection and career procedures as per Italian Legislative Decree/Executive Order (D.L.vo) No. 196 of 30.06.2003.

Article 14 – Availability and Information

This call, the related application form and additional information are available on the official EUDiME website at <http://eudime.unical.it>. Items for which no specific provision has been made in this announcement shall be regulated in accordance to provisions stated in the Erasmus Mundus Doctorate in Membrane Engineering Proposal that was approved by the European Commission under reference number: 511944-1-2010-1-IT-EMJD.

Arcavacata di Rende (CS) on October 1st, 2012

The Legal Representative
of the Coordinating Institution
(Università della Calabria)

THE RECTOR
F.to Prof. Giovanni Latorre