



DOCTORAL CANDIDATE AGREEMENT

Erasmus Mundus Doctorate in Membrane Engineering (EUDIME)

The present agreement stipulates the essential academic, research, financial and administrative obligations of the parties directly involved in the programme, here undersigned:

the **University of Calabria (UNICAL)**, as Co-ordinating Institution of the Consortium EUDIME, here represented by the programme coordinator *Prof. Enrico Drioli*,

the (Home University_(acronym)), as Full Member Institution of the EUDIME Consortium enrolling the doctoral candidate, here represented by the local coordinator (Title, Name and Surname);

AND

(name and surname of the doctoral candidate), born (date/place/nationality),
passport/ID number _____, as doctoral candidate of the EUDIME Programme.

The (Full Partner Institution) is appointed as "Home University"¹ to the doctoral candidate. The doctoral candidate commits himself to comply with local rules and customary practices in force at the Home University. The EUDIME Programme will last:

36 month, starting on (day/month/year) and ending on (day/month/year);

48 months, starting on (day/month/year) and ending on (day/month/year).

¹ The "Home University" is the Full Partner Institution of the EUDIME Consortium where the doctoral candidate will carry out the most part of his/her research activity. The doctoral candidate is enrolled at the Home University.



During his/her stay at the Home University, the doctoral candidate is invited to contact (___ Title/ Name and Surname___) who will serve as Erasmus Life Counsellor.

The doctoral candidate:

- agrees to perform his/her training/research activities related to the following theme and cluster:
 - ENERGY**
 - Cluster 1.1: Electrolyte membranes for fuel cells
 - Cluster 1.2: Membranes for gas separation, catalytic reactors & biofuel production
 - WATER AND ENVIRONMENT**
 - Cluster 2.1: Membrane systems for desalination and water purification
 - Cluster 2.2: (Bio-Catalytic) Membrane Reactors for wastewater treatment
 - HEALTH & BIOTECHNOLOGY**
 - Cluster 3.1: Biomedical membrane processes/Active Pharmaceutical Ingredients/Food formulation
 - NEW MEMBRANE MATERIALS & PROCESSES**
 - Cluster 4.1: Nanofabrication/inorganic-hybrid membranes/molecular-scale monitoring

under the supervision of (___ Title/ Name and Surname/Affiliation___). The research plan is detailed in Annex 2;

- commits himself to carry out the two compulsory mobility periods (12 months in total) in the following Hosting Universities²:

1. (___ Name of the Hosting Institution #1/Department___) under the supervision of (___ Title/ Name and Surname/Affiliation___).
2. (___ Name of the Hosting Institution #2/Department___) under the supervision of (___ Title/ Name and Surname/Affiliation___).

² The "Hosting Universities" are two Full Partner Institutions of the EUDIME Consortium (different from the Home University) where the doctoral candidate shall spend two mandatory mobility periods, each one with duration of 6 months.



according to the mobility plan approved by the Executive Board of the EUDIME Programme. The supervisors shall ensure that the doctoral candidate is in the best possible situation to complete his/her work according to the foreseen plan;

- takes responsibility for attending, diligently and on a regular basis, to the scheduled training activities that include courses, seminars, workshops, Summer Schools etc. for a total of 12 ECTS:

SCIENTIFIC MODULES (provide a general knowledge on membrane science and technology) 5 ECTS			
COURSE TITLE	LOCATION	NOTES	ECTS
Membrane science & technology	Home University & e-learning platform		1
Advanced membrane processes	Home University & e-learning platform		2
EMS Summer School			1
EMS Summer School			1
TECHNICAL MODULES (provide a technical knowledge necessary to the conduction of the research in a given thematic field). Candidates are requested to attend the technical module corresponding to their specific thematic cluster. 3 ECTS			
Tick appropriate box.			
<input type="checkbox"/> Electrolyte Membranes	Katholieke Universiteit Leuven		3
<input type="checkbox"/> Catalytic membrane reactors & Gas separation	Universiteit Twente		3
<input type="checkbox"/> Membrane processes for water treatment	Università della Calabria		3
<input type="checkbox"/> Membranes in downstream processing	Université Paul Sabatier		3
<input type="checkbox"/> Membranes in biomedicine and ingredient formulation	Université Montpellier 2		3
<input type="checkbox"/> Nanostructured membranes	Institute of Chemical Technology Prague		3
MANAGEMENT MODULES (transferrable skills training related to research and industry) 4 ECTS			
Intellectual capital management	Università della Calabria & e-learning platform		2
Valorisation, commercialisation and entrepreneurship	Institute of Chemical Technology Prague & e-learning platform		2

- takes responsibility for academic misconduct (plagiarism, falsifying data, inventing citations etc.), and strictly adheres to basic rules of confidentiality for what concerns the results obtained while carrying out the research activity;



- takes responsibility to strictly respect the programmed deadlines concerning the delivery of annual reports and final thesis manuscript.

The doctoral candidate agrees on the following withdrawals and prohibitions rules that lead to the cancellation of the present agreement:

- enrolment on another course which assigns an academic qualification, even from other universities, is not allowed;
- unexplained and prolonged absence, unjustified failure to comply with the mobility programme, failure to obtain admission to subsequent years of the doctoral programme due to serious default or unsuitable research activity results - in relation to the procedures established by the Admission & Examination Committee - shall cause the exclusion from the programme and the withdrawal of the eventual grant and the obligation for the student to return the eventual instalments already received for that year;
- doctoral candidates with grants who drop out of the course during the year have the right to keep the portion of the grant which corresponds to the period of activity if, and only if, the Admission & Examination Committee states that the students' activities up to that moment were regular and fruitful;
- doctoral candidates who are found to have made false statements during the selection procedure shall be excluded from the doctoral programme; criminal punitive measures for the issuing of false documentation and untruthful statements may also be applied.

*For a doctoral candidate **financially** supported by an Individual Erasmus Mundus EMJD Fellowship*

As a beneficiary of Individual EMJD Fellowship, the doctoral candidate will receive from the EUDIME Consortium:

- Category A³**: a sum of 7,500€, as **fixed contribution to the travel**, installation and any other types of costs. It will be paid in three instalments of 2,500€, corresponding to the installations at the Home University and at the two Hosting Universities, unless different and duly documented needs of the candidate;

³ *Category A doctoral candidate means doctoral candidates who are nationals of a country other than those from EEA-EFTA States and candidate countries for accession to the European Union; who have already obtained a second cycle Higher Education degree (Master level degree); who are not resident of any of the member States or the participating countries; who have not carried out their main activities (studies, work, etc.) for more than a total of twelve months over the last five years in any of the Member States or the participating countries; and who have been accepted to register or are registered in an Erasmus Mundus Joint Doctoral Programme.*



Category B⁴: no support to the travel and installation costs and any other types of costs;

and:

- a gross **monthly allowance for living costs** (for 36 months) in the form of employment contract: a gross sum of 2,800€/month, from which is deducted the (*percentage according to national legislation of the Home University*) % as compulsory charges and taxes, so resulting in a net salary of _____ €/month.

For a EUDIME Programme lasting 4 years, the doctoral candidate will receive from the Home University, during the additional fourth year of activities, a gross monthly allowance for living costs of _____ €/month (*amount no less than 2,800€/month*), from which is deducted the (*percentage according to national legislation of the Home University*) % as compulsory charges and taxes, so resulting in a net salary of _____ €/month.

Money will be transferred to doctoral candidate on the following Bank Account Coordinates:

Name/Surname _____

Local address of residence _____

Name of the bank _____

Address of the bank _____

IBAN code _____

BIC code _____

The doctoral candidate is responsible for submitting the correct data refer to the bank account. In case of wrong communication, the relative bank charges will be deducted from the salary.

The Consortium may suspend or stop the monthly payment in case of missing or not regularly attending planned training/research activities, or insufficient proficiency in annual examination, or not compliance with the EUDIME rules.

⁴ *Category B doctoral candidate means doctoral candidates who are not included in the previous Category A; who have already obtained a second cycle Higher Education degree (Master level degree); and who have been accepted to register or are registered in an Erasmus Mundus Joint Doctoral Programme.*



As an Erasmus Mundus EMJD fellowship recipient, the doctoral candidate receives a fixed contribution of 7,200€/year (for 36 months) as **fixed contribution to participation costs**. The doctoral candidate agrees that the EUDIME Consortium will deduct directly from the overall amount of the EMJD Fellowship this sum for mandatory costs – established regardless of actual place of study and research - as provisionally detailed in the following table:

PROVISIONAL BREAKTHROUGH OF PARTICIPATION COSTS	
Tuition fees	1,000 €/year
Laboratory and Equipment utilization & maintenance cost	3,000 €/year
Insurance	500 €/year
Phone/Fax/PC/Libraries	200 €/year
Attendance at Summer Schools, Meetings, Conferences	2,000 €/year
Costs related to Training Activities	500 €/year
TOTAL	7,200 €/year

For a EUDIME program lasting 4 years, the Home University will be in charge, during the additional fourth year of activities, for all costs related to: tuition fees, laboratory and equipment utilization and maintenance costs, insurance coverage against accidents occurred during the training/research activities, use of libraries/phone/fax/PC, costs related to training activities.

*For doctoral candidate **not financially** supported by an Individual EMJD Fellowship*

The doctoral candidate shall pay the tuition fees, in the amount of **1,000 €/year** - at the beginning of each year of activity - on the following account (Home University):

BANK NAME: _____
BRANCH ADDRESS: _____
TOWN/CITY: _____ POSTCODE: _____
COUNTRY: _____
ACCOUNT NUMBER: _____
IBAN: _____



The EUDIME Consortium guarantees insurance coverage against accidents occurred during the training/research activities only.

The EUDIME Consortium implements a joint supervision and monitoring of the doctoral candidate in order to ensure a daily progression of the programme towards the planned objectives. A personal supervisor is appointed to the doctoral candidate: he takes the responsibility for the scientific training of the PhD candidate and serves as a link with: 1) the Executive Board (EB); 2) the Admission & Examination Committee (A&EC); 3) the Supervisory Committee (SC) composed by 2 academic representatives of the Home University, 1 academic representative for each Hosting University, and 1 co-supervisor from Industrial Associate Partners.

At the end of each year of activity, examination procedures will include the following deliverables:

- a written report on research/training activities, preventively approved by the supervisor and positively considered by the SC, that the doctoral candidate must provide to the A&EC. The enrolment to the successive year of activity, or to the final thesis defence, depends on: i) the positive judgement of A&EC; ii) the definitive approval of the EB;
- an oral report (in the form of a seminar) on research/training activities during Doctoral Meeting Days.

Compulsory elements for a successful completion of the doctorate programme are:

- the candidate must have produced at least 2 scientific publications (in the form of journal article, contribution to a book, conference proceedings, patent) at international level;
- the candidate must have successfully attended teaching/training activities for a total of 12 ECTS;
- the candidate must have fulfilled the scheduled mobility periods;
- the candidate must have prepared a PhD Thesis manuscript approved by SC, A&EC and EB.

The doctoral candidate hereby agrees that the degree awarding universities may store and protect the thesis essay, either as a hardcopy or as a softcopy following their respective procedures.



The final public defence will take place in one of the Universities of the EUDIME Consortium. The doctoral candidates will present key findings and conclusion of his/her research activities in front of an External Evaluation Committee (up to 7 members) and 3 academic staffs (nominated by EB) of the EUDIME Consortium. The EB will make all efforts in order to guarantee that the composition of the External Evaluation Committee complies with the relevant regulations in force to the Universities of the EUDIME Consortium.

After the successful fulfilment of the EUDIME Programme, the Consortium will award the doctoral candidate by a *Multiple Doctoral Degree* (released by the Home University and the two Hosting Universities visited) and a Diploma Supplement (released by the co-ordinating institution on behalf of the EUDIME Consortium) that will provide details about the structure of the programme, mobility periods and skills acquired:

Tick appropriate box

- Dottorato di Ricerca Erasmus Mundus in Ingegneria delle Membrane, Università della Calabria (Italy)**
- Doctorat en Sciences Chimiques, Université Montpellier 2 (France)**
- Doctor in de Bio-ingenieurswetenschappen, Katholieke Universiteit Leuven (Belgium)**
- Doctorat en Génie des procédés et de l'environnement, Université Paul Sabatier (France)**
- Doctorsky Studijni Program Chemie a Chemické Technologie, Institute of Chemical Technology Prague (Czech Republic)**
- Doctor aan de Universiteit Twente, University of Twente (The Netherlands)**

It is the signatories' responsibility to inform in writing the EUDIME Coordinator of any changes this agreement may need. The Executive Board shall be informed of any amendment.

All changes in the financial conditions have to be brought to the attention of all parties to the present agreement, who shall work collectively towards warranting the doctoral candidate the best possible conditions under the existing constraints. Once these (new) conditions have been determined, they will have to be included into an amendment of the present agreement.

In the event of minor changes to this agreement, an amendment may be proposed by the party concerned and incorporated to the agreement as an annex signed by all parties.



The local coordinator at the Home University is responsible for the formalization of this agreement upon the candidate's arrival; the signed agreement is forwarded to the Doctoral Office of the Co-ordinating Institution (University of Calabria). The present agreement is completed by:

- **ANNEX 1:** *European Charter for Researchers and The Code of Conduct for the Recruitment of Researchers*
- **ANNEX 2:** *Research project*

Any dispute among the Parties will be handled by the EUDIME co-ordinator; insurmountable conflicts will be solved according to legislation in force within the country where Home University is located.

The Consortium Coordinator

(Prof. Enrico Drioli)

Place and Date:

The Local Coordinator

at (__ Name of the Home University__)

(__ Name/Surname __)

Place and Date:

The Doctoral Candidate

(__ Name/Surname __)

Place and Date:



ANNEX 1 - European Charter for Researchers and The Code of Conduct for the Recruitment of Researchers

The *European Charter for Researchers* and *The Code of Conduct for the Recruitment of Researchers* can be downloaded from the following link:

http://ec.europa.eu/eracareers/pdf/am509774CEE_EN_E4.pdf



ANNEX 2 - Research project

Title		
Duration of the project (year)		
Home University		
Supervisor	Name/ Surname/ Position/ Affiliation/ Contact details/ Tel: Fax: e-mail:	
Mobility scheme	HOSTING UNIVERSITY # 1: <hr/>	HOSTING UNIVERSITY # 2 <hr/>
	Supervisor: Name/ Surname/ Position/ Affiliation/ Contact details/ Tel: Fax: e-mail:	Supervisor: Name/ Surname/ Position/ Affiliation/ Contact details/ Tel: Fax: e-mail:
State of the art		



Project description	
Scientific Objectives & Expected Results	
Milestones	