A European model for Joint Doctoral Programmes

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Policy context & programme aims

- Promote European Higher Education
- Improve career prospects of students
- Promote intercultural understanding
- EU External Relations Policies
- Bologna Process
- Erasmus Mundus Programme
- EU 2020 Strategy
Erasmus Mundus – three actions

**ACTION 1:**
Erasmus Mundus Joint Master Courses
Erasmus Mundus **Joint Doctorates**

**ACTION 2:**
Erasmus Mundus Partnerships

**ACTION 3:**
Projects to promote higher education cooperation between Europe and the rest of the world (e.g. CODOC - Cooperation on Doctoral Education between Africa, Asia, Latin America and Europe - 2010)

Scholarships for **students** (bachelor to post-doc.) and **staff** (teaching and administrative)

2009-2013 Budget: 1.2 billion euros
### Doctoral Education in EM Action 1 and 2

<table>
<thead>
<tr>
<th>ACTION 1 Joint Programmes</th>
<th>ACTION 2 Partnerships</th>
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<tbody>
<tr>
<td><strong>Limited size</strong> consortia (5 to 6 partners – univ. / research org.)</td>
<td><strong>Large size</strong> partnerships (up to 20 Univ. – mainly non EU)</td>
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<tr>
<td>Raising the Quality/international attractiveness of EUR Univ. at PhD level) and designing new models of PhD programmes</td>
<td>Addresses the development needs of non-EU countries at PhD level</td>
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<td><strong>New international</strong> integrated postgraduate programmes</td>
<td><strong>Existing national</strong> (Eur or non Eur) programmes</td>
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<td>EM full fellowships for European and non-European doctoral candidates</td>
<td>EM partial and full fellowships for European and non-European doctoral candidates (mainly)</td>
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<tr>
<td>Mobility in at least 2 EU countries</td>
<td>Mobility home (non EU) to host univ. (EU)</td>
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<tr>
<td><strong>Duration</strong>: 36-48 months</td>
<td><strong>Duration</strong>: 6-36 months</td>
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<tr>
<td>Fully recognised double, multiple or joint degrees awarded by the Consortia with Diploma Supplement</td>
<td><strong>National degree</strong> by the home or the host university – Diploma supplement is recommended.</td>
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EM Action 1 Joint Programmes

2004-2011:

- Over 12,000 masters students, 2,000 academics and 350 doctoral scholarships awarded (95% non Eur.)
- 165 EM Joint Programmes
  - 131 joint master courses
  - 34 joint doctoral programmes
- 724 EU universities and 207 non-EU
EM Action 2: Partnerships

2007-2011:
- 160 partnerships selected
- 317 EU and 691 non-EU universities involved
- Around 23,000 individual scholarships awarded

2007-2009 doctoral scholarships
- 2677 doctoral candidates supported (531 EU / 2146 non EU)
- Up to 10 months mobility for 1002 Doctoral Candidates
- 11 - 34 months mobility for 1675 Doctoral Candidates
Erasmus Mundus Action 1 b
Joint Doctoral programmes
EM Action 1 Joint Programmes at Doctoral Level (EMJDS)

- First call in 2009
- Based on the EM masters model and on the experience of Marie Curie fellowship
  - Marie Curie is focused on individual research
  - EMJDs puts more emphasis on **structured inter-university cooperation** models and on the implementation of integrated joint doctoral programme
- Double objective
  - Shape doctoral studies in the EHEA (promoting innovative models of joint governance between the HEIs, research and professional sectors)
  - Support researchers from EUR and non-EUR countries in a framework of excellence
Innovative doctoral training: 8 key principles

1. Excellence of research
2. Attractive Institutional environment
3. Inter and multi-disciplinary research options
4. Exposure to relevant employment sectors
5. International networking
6. Training in transferable (/transversal) skills
7. Organised around doctoral (/graduate) schools
8. Quality assurance, commitment and accountability for the complete “life cycle”
WHAT IS AN EMJD? (1)

- A three to four years integrated postgraduate programme at doctorate level,
- Delivered by a consortium of univ. representing at least 3 different European countries,
- Including if relevant, non European universities (/research centers)
- Including mandatory mobility periods in at least 2 of the consortium countries,
- Organised around doctoral (/postgraduate) schools
WHAT IS AN EMJD? (2)

- Including a mandatory training component
- Leading to the award of fully recognised double, multiple or joint degrees,
- Offering EM fellowships to Eur. and non-Eur. doct. candidates, enrolled under employment contracts
- Following the recommendations of «The European Charter for Researchers» and «The Code of Conduct for the Recruitment of Researchers»
What is the EMJD added value?

EMJDs constitute a link between the European Higher Education Area (EHEA) and the European Research Area (ERA) by:

- Contributing to shaping models of Doct Studies in the EHEA
- Offering young researchers a framework of excellence embedded in an institutional environment
- Acting in the center of the knowledge triangle between academia, research and industry (/business)
- Increasing the visibility / attractiveness of Eur. doct. studies
- Providing a global access to EU doct. studies through fellowships for excellent doctoral candidates (EU and non EU)
## EMJD: Financial support

(lump sums / flat rates only)

<table>
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<tr>
<th>Contribution to EMJD running costs</th>
<th>€ 50 000 / EMJD edition (/cohort)</th>
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<tbody>
<tr>
<td><strong>3 years Doctoral Fellowship</strong></td>
<td><strong>Category A</strong></td>
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<tr>
<td>I Travel, installation and other personal costs</td>
<td>€ 7 500</td>
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<tr>
<td>II EMJD participation costs</td>
<td>• € 300 per month (€ 10 800 for 36 months) for non-laboratory-based EMJDs or • € 600 per month (€ 21 600 for 36 months) for laboratory-based EMJDs</td>
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<tr>
<td>III Fixed living allowance (36 months in total)</td>
<td>• € 2 800 per month (i.e. € 100 800 for 36 months) for an employment contract • € 1 400 per month (i.e. € 50 400 for 36 months) for a stipend</td>
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<tr>
<td>Maximum fellowship amount</td>
<td>Between EUR 61 200 and EUR 129 900 (depending on category, lab., or type of recruitment)</td>
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EMJD key figures

• First selection in 2009
• First mobility started in 2010
• 34 EMJD selected by 2011
• 346 EM Doctoral candidates by 2011
  – 94 EU Doctoral candidates
  – 252 NEU Doctoral Candidates
• Approximately 5 M€ / EMJD
  (including 5 cohorts of 8 to 10 fellowships)
Some EMJD Examples

ALGANT-DOC - Algebra, Geometry and Number Theory Joint Doctorate SOC

DCGC - Doctoral Programme in Cultural and Global Criminology

EGS-ABG – European Graduate School in Animal Breeding and Genetics

EMJD-DC - Joint Doctorate in Distributed Computing

ENC Network - European Neuroscience campus network

ETeCoS3 - Environmental Technologies for Contaminated Solids, Soils and Sediments

MoveAge - Prevention of mobility loss with ageing

NanoFar - European Doctorate in nanomedicine and pharmaceutical innovation
EM 2012 Annual Calls for Proposals

One Call, three actions

• Next Call launched December 2011
• Deadline for proposals: 30 April 2012
• Targets:
  – **Action 1**: Up to 30 Masters and 10 Doctorates
  – **Action 2**: 50 Action 2 Partnerships (6 with Latin America)
  – **Action 3**: 6 Projects
• Selection to be completed by July 2012
More information on EM

EACEA website

Selected projects

Overall Statistics

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