Aktuelle Entwicklungen in den Marie Curie – Maßnahmen

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DG Education and Culture, Unit C.3 – Marie Curie Actions
Content

- Marie Curie Actions: short introduction
- Innovative Doctoral Programmes and European Industrial Doctorates
- Co-funding of research fellowship programmes
- Marie Curie Actions in Horizon 2020
Marie Curie Actions – key features

- **bottom-up approach**
- **mobility**, both **trans-national** and **inter-sectoral**
- Main EU programme providing **structured doctoral training**, including industrial doctorates
- Opening **research careers at European** and **international** level
- Enhanced **business-academia** collaboration and staff exchange
- Excellent **employment** and **working conditions**, in line with the **EU Charter and Code for Researchers**
- **role model** with pronounced structuring effect on regional, national and other international programmes
<table>
<thead>
<tr>
<th>FP7 Marie Curie Action</th>
<th>Objective</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial training of researchers (1900 M€)</strong></td>
<td><strong>Objective</strong></td>
</tr>
<tr>
<td>Initial Training Networks (ITN)</td>
<td>Improve career perspectives of early stage researchers in both public &amp; private sector</td>
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<tr>
<td><strong>Life-long training and career development (1170–1400 M€)</strong></td>
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<tr>
<td>Intra-European Fellowships (IEF)</td>
<td></td>
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<tr>
<td>Career Integration Grants (CIG)</td>
<td>Career development of experienced researchers by e.g.: diversification skills/competencies; integrate a stable position after mobility</td>
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<td>Co-funding of regional, national, international programmes (COFUND)</td>
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<tr>
<td><strong>Industry dimension (250-450 M€)</strong></td>
<td></td>
</tr>
<tr>
<td>Industry-Academia Partnerships and Pathways (IAPP)</td>
<td>Open and foster dynamic pathways between public research organisations and private commercial enterprises</td>
</tr>
<tr>
<td><strong>International dimension “World fellowships” (1170–1400 M€)</strong></td>
<td></td>
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<tr>
<td>International Outgoing Fellowships (IOF)</td>
<td>Reinforce extra-European dimension of the ERA through mobility through training, knowledge transfer and cooperation</td>
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<tr>
<td>International Incoming Fellowships (IIF)</td>
<td></td>
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<tr>
<td>International Research Staff Exchange Scheme (IRSES)</td>
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</table>
# FP7 Marie Curie Actions in Germany

- Number of German researchers funded in Marie Curie Actions (2007-2012): 909
- EU budget allocated so far to German institutes (2007-2012): € 296.5 million
- Number of German institutions participating in Marie Curie Actions (2007-2012): 1117

<table>
<thead>
<tr>
<th>Marie Curie Actions (2007-2012)</th>
<th>Number of institutions</th>
<th>Budget (€ million) allocated to German institutions</th>
<th>Number of researchers coming to German institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Training Networks</td>
<td>526</td>
<td>190.8</td>
<td>597</td>
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<tr>
<td>Industry-Academia Partnerships and Pathways</td>
<td>94</td>
<td>24.7</td>
<td>78</td>
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<tr>
<td>International Research Staff Exchange Staff Scheme</td>
<td>114</td>
<td>7.2</td>
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<tr>
<td>Co-funding of regional, national and international programmes</td>
<td>6</td>
<td>15.4</td>
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<tr>
<td>Intra-European Fellowships for career development</td>
<td>171</td>
<td>27.8</td>
<td>171</td>
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<tr>
<td>European Reintegration Grants</td>
<td>13</td>
<td>0.57</td>
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<tr>
<td>International Reintegration Grants</td>
<td>16</td>
<td>1.6</td>
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<tr>
<td>Re-Integration Grants</td>
<td>72</td>
<td>5.5</td>
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<tr>
<td>International Incoming Fellowships</td>
<td>48</td>
<td>8.4</td>
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</tr>
<tr>
<td>International Outgoing Fellowships</td>
<td>57</td>
<td>12.4</td>
<td>57</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1117</strong></td>
<td><strong>296.5</strong></td>
<td><strong>1234</strong></td>
</tr>
</tbody>
</table>
Doctoral Training

- Intersectoral
- International
- Interdisciplinary

Excellence
Marie Curie
Initial Training Networks

2 Implementation Modes

- 2011
  - Multi-ITNs
  - Mono-ITNs

3 Implementation Modes

- 2012
  - ≥3 Multi-ITNs
  - 1 Innovative Doctoral Programmes
  - 2 European Industrial Doctorates

~400 M€
20 M€
COFUND: objectives

• Numerical impact and leverage effect
  – more individual Marie Curie fellowships
  – creation of new fellowship programmes

• Encourage regional and national fellowship programmes to open for transnational mobility

• Structuring the European Research Area:
  – selection processes:
    • transparency of process and criteria
    • international peer review & composition of committees
  – improved working conditions for researchers
COFUND

- EU contribution: 40% of the fellowship costs (max. € 10 Mio per applicant per call)
- for experienced researchers
- trans-national mobility required (incoming, outgoing, re-integration)

<table>
<thead>
<tr>
<th></th>
<th>Indicative EU budget (M€)</th>
<th>Fellowships</th>
</tr>
</thead>
<tbody>
<tr>
<td>COFUND (2007-2010)</td>
<td>215</td>
<td>4670</td>
</tr>
<tr>
<td>Individual fellowships (2007-2010)</td>
<td>642</td>
<td>3090</td>
</tr>
<tr>
<td>Call</td>
<td>Call closure date</td>
<td>Call budget M€</td>
</tr>
<tr>
<td>----------------------</td>
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</tr>
<tr>
<td>FP7-PEOPLE-2007-2-3-COFUND</td>
<td>13/3/2008</td>
<td>65</td>
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<tr>
<td>FP7-PEOPLE-2008</td>
<td>19/2/2009</td>
<td>75</td>
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<tr>
<td>FP7-PEOPLE-2010-COFUND</td>
<td>18/2/2010</td>
<td>75</td>
</tr>
<tr>
<td>FP7-PEOPLE-2011-COFUND</td>
<td>17/2/2011</td>
<td>90</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>305</strong></td>
<td><strong>197</strong></td>
</tr>
</tbody>
</table>
COFUND – participation of universities
Horizon 2020 – Objectives and structure

Europe 2020 priorities

International cooperation

Shared objectives and principles
Common rules, toolkit of funding schemes

Societal Challenges
- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research, and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

Industrial Leadership
- Leadership in enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
- Access to risk finance
- Innovation in SMEs

Excellent Science
- European Research Council
- Future and Emerging Technologies
- Marie Curie actions on skills, training and career development
- Research infrastructures

Supporting the objectives:
European Institute for Innovation and Technology
Joint Research Centre

Dissemination & knowledge transfer

Simplified access
MCA: Horizon 2020 vs. FP7

H2020 Marie Curie Activities

- **ITN**: Action 1, Doctoral Researchers
  - Research networks supporting doctoral training
- **IEF**: Action 2, Experienced Researchers
  - Support for experienced researchers undertaking mobility
- **IOF**: Action 3, Exchange of Staff
  - International and inter-sector cooperation through the exchange of research and innovation staff
- **IAPP**: Action 4, COFUND
  - Co-funding of regional, national and international programmes covering actions 1, 2 and 3

- **CIG**:
- **IRSES**:
- **COFUND**:
MCA – key features under Horizon 2020

- cross-cutting issues
  - fostering **skills** to match the labour market needs
  - **gender** balance
  - strengthening the participation of **SMEs**
  - synergies with the societal challenges and the industrial technologies

- broad participation of **businesses and other socio-economic actors**

- increased possibility of the **portability of grants**

- stronger emphasis on **communicating results** and on outreach activities

- extended use of the scale of unit costs (including indirect costs)

- new name: **Marie Skłodowska-Curie Actions**
Thank you for your attention!

Find out more at:

http://www.ec.europa.eu/research/horizon2020/