Future development of the Marie Curie Actions

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• Europe 2020 strategy: smart/sustainable/inclusive growth

• Marie Curie Actions support 3 flagship initiatives:

  ✓ "Innovation Union“:
  ▪ 1 million new research jobs needed
  ▪ to attract and train young people to become researchers
  ▪ quality of doctoral training, with businesses involvement
  ▪ offer internationally competitive research careers
  ▪ attractive employment conditions, gender balance

  ✓ "Youth on the move“:
  mobility of researchers across countries, disciplines and sectors

  ✓ "An agenda for new skills and jobs“:
  better skills for better jobs
Some basic about Marie Curie Actions:

• Addressed to researchers at all stages of their careers
• Open to all domains of research (bottom-up)
• Mobility (international, intersectoral, interdisciplinary)
• Application through competitive calls for proposals
• Selection criteria:
  S&T quality, Training/ToK, Implementation, Impact
• Budget covers generally:
  salary, mobility and research budget for the researcher
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<th>Marie Curie Action</th>
<th>Objective</th>
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<td><strong>Initial training of researchers</strong> (1900 M€)</td>
<td>Improve career perspectives of early stage researchers in both public &amp; private sector</td>
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<td>Initial Training Networks (ITN)</td>
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<td><strong>Life-long training and career development</strong> (1170–1400 M€)</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>Intra-European Fellowships (IEF)</td>
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<td>Career Integration Grants (CIG)</td>
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<td>Co-funding of regional, national, international programmes (COFUND)</td>
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<td><strong>Industry dimension</strong> (250-450 M€)</td>
<td>Open and foster dynamic pathways between public research organisations and private commercial enterprises</td>
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<td>Industry-Academia Partnerships and Pathways (IAPP)</td>
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<td><strong>International dimension “World fellowships”</strong> (1170–1400 M€)</td>
<td>Reinforce extra-European dimension of the ERA through mobility through training, knowledge transfer and cooperation</td>
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<td>International Outgoing Fellowships (IOF)</td>
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<td>International Incoming Fellowships (IIF)</td>
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<td>International Research Staff Exchange Scheme (IRSES)</td>
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Researchers On the Move

• 50.000 researchers from over 120 nationalities since 1996
• 40% women
MARIE CURIE ACTIONS for an INNOVATIVE EUROPE
Excellence, mobility and skills for researchers

Marie Curie host organisations in 67 countries

FP6 and FP7 Marie Curie host organisations

12 MAIN DESTINATIONS
Enhancing Excellence in Science & Training

• Excellence in Science:
  – All top 100 European universities participate (Shanghai ranking)
  – Nobel prize and other laureates involved in training Marie Curie researchers

• Excellence in Training:
  – Focused on creative and innovative skills development
  – Entrepreneurship, business management, language, communication

• Excellent environment:
  – Attractive salaries and employment conditions
Strengthening Innovation

• Focus on university, research organisation and business cooperation
  – 2007-2013: Businesses involved in the training of **10,000 PhDs**
  – Mobility of ~**6000** researchers between industry and academia through **staff exchange**
  – Small and Medium enterprises to benefit from about €300 million

2007-2009: top 12 country distribution of participating enterprises
Marie Curie (2007-2009)
Budget distribution per scientific panel

- Physics: 12%
- Mathematics: 3%
- Life Sciences: 30%
- Environmental and Geo-Sciences: 11%
- Information Science and Engineering: 17%
- Social Sciences and Humanities: 9%
- COFUND: 7%
- Chemistry: 9%
- Economic Sciences: 2%

2007-2009:
- EU contribution of €1350 million
- 3705 research projects funded
- Research topics freely chosen by applicants
Supporting researchers in key areas for the future

- **2007-2009:**
  - 1550 training research projects addressing directly major societal challenges

**Marie Curie Budget Share (2007-2009)**

- **Climate Change:** €81 m, 6%
- **Energy shortage:** €203 m, 15%
- **Food Supply:** €44 m, 3%
- **Health:** €420 m, 31%
- **Ageing Population:** €50 m, 4%
- **Other fields of research:** €531 m, 39%
- **Water Supply:** €22 m, 2%
Implementation Modes

2011
- Multi-ITNs
- Mono-ITNs

2012
- Multi-ITNs
- Innovative Doctoral Programmes
- European Industrial Doctorates

Total Funding:
- 400 M€
- 20 M€
• At least 3 participants + associated partners from different countries, sectors and disciplines
• Short-term secondments of ESRs
• Networking activities
• Equip ESRs with innovative skills (scientific and transversal skills)
- Single participant + associated partners from different countries, sectors and disciplines
- Innovative training programmes addressing the triple ‘i’ dimensions
- Short-term secondments of doctoral candidates
- Equip doctoral candidates with innovative skills (scientific and transversal)
- Quality and quantity of supervision of doctoral candidates
Objectives

- Involve companies in doctoral training
- Develop innovative attitudes and entrepreneurial mindsets
- Improve the employability and career perspectives of doctorate holders
- Strengthen the cooperation between universities and companies
Structure

- 2 participants (public/private sector) + possible associated partners
- Each researcher must:
  - be enrolled in a doctoral programme
  - be employed by at least one of the participants
  - spend > 50% time in private sector
  - be jointly supervised by both participants
- 1 to 5 researchers / project
Funds

• €38000 gross salary per researcher / year \( \times \text{country coefficient} \)
• €700-1000 of mobility allowance per researcher / month \( \times \text{country coefficient} \)
• €1200 for research costs per researcher / month
• Additional funds for project management and overheads

How to apply

• First call to be launched on 20 July 2011
• Participant Portal:

  http://ec.europa.eu/research/participants/portal/
MCA possible future development

- New Alumni services
- Extend the co-financing principle to early stage researchers
- Streamlining MCA actions, further simplification of rules
- Staff exchange: both inter-sectoral and international ToK
MCA possible future development

- How to make 3 MCA actions out of 8?
THANK YOU FOR YOUR ATTENTION

http://ec.europa.eu/mariecurieactions