Opportunities for CERN in the FP7 Marie Curie Programme

- Overview of the programme
- Initial Training Networks
- Industry-Academia Partnerships
- International Research Staff Exchange Scheme
- FP7 Marie Curie projects at CERN
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<th>COOPERATION</th>
<th>IDEAS</th>
<th>European Research Council</th>
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<td>Initial training</td>
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<td>Food, agriculture and biotechnology</td>
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<td>Life-long training</td>
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<td>Information and communication technologies</td>
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<td>Industry-academia</td>
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<td>Nanosciences, nanotechnologies, materials and new production technologies</td>
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<td>International dimension</td>
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<td>Energy</td>
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<td>Transport and aeronautics</td>
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<td>Development of research policies</td>
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</table>
FP7 budget breakdown

Marie Curie Programme
- 4,7 B€ - annual budget increase of 60% compared to FP6
- budget ramp-up towards the end of FP7 (2011-2013)
Marie Curie actions in FP7

- Individual Fellowships (IEF, IIF, IOF, IRG)
- Co-funding of national and international post-doctoral programmes (CO-FUND)
- Initial Training Networks (ITN)
- Industry-Academia Partnerships and Pathways (IAPP)
- International Research Staff Exchange Scheme (IRSES)

NEW
Initial Training Networks

- Initial training of early-stage researchers, typically directed at the first five years of researchers’ careers, e.g. PhD students or first postdocs.

- **Networks** of organisations from different countries, implementing a joint research training programme.
  - multi-partner consortia (typically 8-10 partners)
  - in special cases – single host networks (with additional associated partners)
  - industry involvement in technology domains is a must.

- Full funding is provided for the recruitment of the Fellows (at special Marie Curie rates), with a contribution to training, networking, management and overheads.
Industry-Academia Partnerships

- Fostering existing or developing new cooperation between public research organisations and private companies, including especially SMEs, with emphasis on transfer of know-how and experience.
- Minimum of one academic and one industrial partner, e.g. CERN and one company.
- Funding provided for
  - Staff secondments (2-way) and exchange visits
  - Recruitment (limited) of experienced researchers (e.g. post-docs)
  - Training and networking events
  - Management and overheads
International Research Staff Exchange Scheme

- **The objective**: to develop and strengthen research partnerships between European research organisations and organisations from certain third countries (S&T Agreement with the EU).

- **Implementation modality**: joint research programme for 24-48 months, including networking activities; **individual staff exchanges** for max. 12 months (min. 1 month).

- **Financial support**: For each European staff member staying in an eligible third country, the EC will pay a subsistence allowance for the additional mobility costs of **€1,900 per month** (all inclusive).
  - In specific and well justified cases, the costs of stays of staff from certain Third countries in Europe may also be covered.
  - In practice – funding granted to all participants from developing countries.
FP7 Marie Curie projects at CERN

- **Marie-Curie Steering Committee:**
  - Define strategy for participation in the MC programme
  - Advise and assist in the preparation of proposals
  - Oversee recruitment and selection procedures

- **HR**: handling the recruitment and all administrative management of the projects.

- **DG-RPC**: financial follow-up and reporting.

- **Technical departments**: provide supervision of the MC fellows and technical management of the projects.

⇒ Preparation, administration and reporting for MC projects are easier than for other EU projects.
### FP7 Marie Curie projects at CERN

#### ITN projects: 5/16 in 2008, 1/5 in 2009, ?/11 in 2010

<table>
<thead>
<tr>
<th>Project acronym</th>
<th>Full title</th>
<th>Coordinator</th>
<th>Fellow-years for CERN</th>
<th>Budget for CERN</th>
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<tr>
<td>ACEOLE</td>
<td>Date acquisition, Electronics and Optoelectronics for LHC Experiments</td>
<td>CERN</td>
<td>42 p.y.</td>
<td>3,500 k€</td>
</tr>
<tr>
<td>PARTNER</td>
<td>Particle Training Network for European Radiotherapy</td>
<td>CERN</td>
<td>12 p.y.</td>
<td>1,350 k€</td>
</tr>
<tr>
<td>MC-PAD</td>
<td>Marie Curie Training Network on Particle Detectors</td>
<td>CERN</td>
<td>11 p.y.</td>
<td>1,300 k€</td>
</tr>
<tr>
<td>DITANET</td>
<td>Novel Diagnostic Techniques for Future Particle Accelerators</td>
<td>Heidelberg University</td>
<td>9 p.y.</td>
<td>700 k€</td>
</tr>
<tr>
<td>CLOUD</td>
<td>CLOUD-ITN</td>
<td>Max Planck</td>
<td>3 p.y.</td>
<td>300 k€</td>
</tr>
<tr>
<td>UNILHC</td>
<td>Unification in the LHC ERA</td>
<td>Ecole Polytechnique</td>
<td>6 p.y.</td>
<td>450 k€</td>
</tr>
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</table>

#### IAPP projects: 1/3 in 2009

**MeChaniCs (Marue Curie linking industry to CERN):** a few short-term secondments from CERN to industry + postdoc fellow for 2 years.

#### IRSES projects: 1/1 in 2009

**EPLANET (European Particle Physics Latin American Network)**
Next Marie Curie Calls for Proposals:

- **ITN projects**: next Call expected end of 2010 / early 2011
- **IAPP projects**: next Call expected in autumn 2010
- **IRSES projects**: 2010 Call open. Deadline 25.03.2010