H2020
Excellent science
Marie Skłodowska-Curie Actions

Innovative Training Networks 2015
Programme Overview

Information Day
15 October 2014, Paris

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ITN Call Coordinator
Research Executive Agency
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H2020 and the REA
HORIZON 2020 BUDGET (in current prices)
Total: EUR 78.6 billion

- **Industrial Leadership**: EUR 17.0 billion
- **Societal Challenges**: EUR 29.7 billion
- **Excellent Science**: EUR 24.4 billion
- **European Institute of Innovation and Technology**: EUR 2.7 billion
- **Euratom (2014-2018)**: EUR 1.6 billion
- **Other**: EUR 3.2 billion
Excellent science

European Research Council € 13.1 B
Future and Emerging Technologies € 2.7 B
Marie-Skłodowska-Curie Actions € 6.1 B
European research infrastructures (including eInfrastructures) € 2.5 B
H2020 vs. FP7

1. Simpler programme structure
2. A single set of rules for all funding
3. Simpler reimbursement
4. Faster time to grant
   ✓ Within 8 months (5+3) from the call deadline
5. Fewer, better targeted checks and audits
6. Single set of IT tools
Main REA tasks

Manage parts of the EU's R&I programmes
FP7 (2007-13)
Horizon 2020 (2014-20)

Common logistical and administrative services
Evaluation logistics
Contracting and paying experts
Participant validation
H2020 Helpdesk

http://ec.europa.eu/rea
REA services in key figures (2013)

12,072 proposals evaluated
17,236 experts served
2,825 financial viability checks
4,524 entities validated
7,129 running projects
Marie Skłodowska-Curie Actions (MSCA)
Objectives

career development and training of researchers – with a focus on innovation skills – in all scientific disciplines through international and intersector mobility
MSCA actions

**Innovative Training Networks (ITN)** - Innovative doctoral-level training providing a range of skills in order to maximise employability

**Individual Fellowships (IF)** - Support for experienced researchers undertaking mobility between countries, and also to the non-academic sector

**Research and Innovation Staff Exchange (RISE)** - International and intersectoral collaboration through the exchange of research and innovation staff

**Co-funding of regional, national and international programmes (COFUND)** - Co-financing high-quality fellowship or doctoral programmes with transnational mobility

Though the Co-funded European Researchers' Night (NIGHT), funded under the MSCA, is a Europe-wide public event to stimulate interest in research careers, especially among young people.
Marie Skłodowska-Curie Actions

**ITN**
Innovative Training Networks

*What does it offer?*
High-quality research training delivered through international and interdisciplinary networks, industrial doctorates or joint doctorates

*Who applies?*
International networks of research organisations from the academic and non-academic sectors

*Who is funded?*
Researchers at doctoral level (less than four years of full-time research experience and no doctoral degree)

*Call details:*
Opened: 2 September 2014
Closes: 13 January 2015 at 17:00:00 Brussels time
Budget: € 370 million

**IF**
Individual Fellowships

*What does it offer?*
Opportunities to work on personal research projects by moving between countries and possibly sectors to acquire new skills

*Who applies?*
Individual researchers together with the host organisation

*Who is funded?*
Postdoctoral researchers

*Call details:*
Opens: 12 March 2015
Closes: 10 September 2015 at 17:00:00 Brussels time
Budget: € 215 million

**RISE**
Research and Innovation Staff Exchange

*What does it offer?*
The exchange of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge

*Who applies?*
International networks of research organisations from the academic and non-academic sectors

*Who is funded?*
Researchers, technical, administrative and managerial staff of any nationality and at all career levels

*Call details:*
Opens: 6 January 2015
Closes: 28 April 2015 at 17:00:00 Brussels time
Budget: € 80 million

**COFUND**
Co-Funding of Regional, National and International Programmes

*What does it offer?*
Regional, national or international programmes to foster excellence in researchers’ training, mobility and career development

*Who applies?*
Organisations funding or managing doctoral programmes or fellowship programmes

*Who is funded?*
Researchers at doctoral and postdoctoral level

*Call details:*
Opens: 14 April 2015
Closes: 1 October 2015 at 17:00:00 Brussels time
Budget: € 80 million
Innovative Training Networks

Support for early-stage/doctoral research training through:

- European Training Networks (ETN)
- European Industrial Doctorates (EID)
- European Joint Doctorates (EJD)
ITN Objectives

- Train innovative early-stage researchers
- Excellence in doctoral/early-stage research training
- Provide skills to match public and private sector needs

ITN Expected impact

- Improved career perspectives of researchers
- Structured high-quality research / doctoral training
- Collaboration academia with non-academic sectors
ITN Features (1)

✓ **Excellence**: international network of organisations proposing a joint research training or doctoral programme

✓ **Bottom-up** (no pre-defined topics)

✓ **All domains***: CHE, ECO, ENG, ENV, LIF, MAT, PHY, SOC

✓ **Multidisciplinary** approach

✓ Meaningful exposure to **non-academic sector**

*: except areas of research covered by the EURATOM Treaty
ITN Features (2)

- Strong **networking** within the consortium
- **Mobility** across countries /disciplines
- **Career guidance** arrangements
- **Supervisory Board**
- Project duration typically **48 months**
- only for **Early Stage Researchers**
ITN typical activities

• **Core activity: Training through individual research projects**

• Network-wide training activities (e.g. seminars, workshops, summer schools).

• Training in key transferable skills (e.g. entrepreneurship, management, IPR, communication, ethics, grant writing).

• Collaboration and exchange of knowledge within the network

• Communication & Dissemination

• Public engagement
Who applies?

International networks of organisations actively involved in research/doctoral training

Two categories of organisations

**Academic sector**
- public/private higher education establishments awarding academic degrees
- public/private non-profit research organisations whose primary mission is to pursue research
- international European interest organisations (e.g. CERN, EMBL)

**Non-academic sector**
- any entity not included in the academic sector:
  - e.g. large companies, SMEs, NGOs, museums, hospitals
  - international organisations (e.g. UN, WHO)

Standardised legal validation of entities is applied to determine the domain of each participant
## Which roles?

<table>
<thead>
<tr>
<th></th>
<th>Beneficiary</th>
<th>Partner Organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signs Grant Agreement</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Recruits and Hosts Researchers</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>Trains/Hosts Researchers</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Participates in Supervisory Board</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Directly Claims Costs</td>
<td>✔</td>
<td>✗</td>
</tr>
</tbody>
</table>

**EU funding**
**Who can be recruited?**

Researcher-months requested in proposal
Recruitment after the project starts.

Only **Early-Stage Researchers (ESRs):**
- ≤ 4 years of research experience
- no PhD yet

Recruitment:
3 to **36 months (typical)**

Mandatory **trans-national mobility** at the time of recruitment.
ITN three implementation modes

**ETN**
European Training Networks

Participants implement a joint research programme

**EID**
European Industrial Doctorates

Doctoral programme with the non-academic sector

**EJD**
European Joint Doctorates

Doctoral programme to deliver joint degrees

317 M€  25 M€  28 M€

Research fields chosen freely by applicants (CHE, ECO, ENG, ENV, LIF, MAT, PHY, SOC)
Eligibility rules?

EU 28 Member States (MS)
Associated Countries (AC)
Other Third Countries (OTC)

**ETN**
Min. 3 beneficiaries from any sector from 3 different MS/AC

**EID**
Min. 2 beneficiaries from 2 different MS/AC:
min. 1 from academic sector awarding PhD + min. 1 from non-academic sector

**EJD**
Min. 3 beneficiaries from academic sector awarding PhD from 3 different MS/AC

Above this minimum: participants from any sector / country
European Training Networks (ETN)
Participants implement a joint research training programme

**Mandatory**
- Min. 3 beneficiaries from 3 different MS/AC
- Each beneficiary recruits and hosts at least 1 ESR
- Max 540 person-months (e.g. 15 ESRs x 36 months)

**Other features**
- Non-academic participation essential
- PhD enrolment typically expected (not mandatory)
- Secondments to other countries/sector/disciplines (≤30% time)
- Joint supervision recommended
- Partner organisations (any country/sector)
Participants implement a joint research training programme
European Industrial Doctorates (EID)
EID Doctoral training with the non-academic sector

- Min. 2 organisations from 2 different EU/ associated countries
  1 academic awarding PhD + 1 non-academic
- Max 180 person-months (if 2 organisations) - e.g. 5 x 36 months
- Max 540 person-months (if ≥3 organisations) - e.g. 15 x 36 months

- Individual research projects under the topic of the doctoral programme
- Flexible recruitment rule
- Each fellow enrolled in the doctoral programme
- Each fellow must spend ≥50% of time in non-academic sector
- Secondments above 50% rule (up to 30% of time)
- Partner organisations (any country/sector)
EID Doctoral training with the non-academic sector

Beneficiaries

≥ 50% time for each ESR

2 beneficiaries: max 180 PM
EID Doctoral training with the non-academic sector

≥ 50% time for each ESR

≥3 beneficiaries: max 540 PM
European Joint Doctorates (EJD)
Mandatory

- Min. 3 beneficiaries from academic sector awarding PhDs, from 3 different MS/AC
- Each ESR enrolled in the joint (international) doctoral programme
- Joint selection, training and supervision
- Commitment to deliver joint/double/multi degrees
- Max 540 person-months

Other features

- Meaningful stays at joint doctorate beneficiaries
- Non-academic participation through secondments to other sector/disciplines (≤ 30%)
- Flexible recruitment rule
Universities cooperating to deliver joint/multiple doctoral degrees

**Joint degree:** single diploma issued by at least 2 academic institutions, and recognised officially

**Double/multiple degree:** 2 or more separate national diplomas issued by two or more higher education institutions and recognised officially

Letters of institutional commitment to deliver degrees are required in the proposal.
EJD

Universities cooperating to deliver joint/multiple doctoral degrees
<table>
<thead>
<tr>
<th></th>
<th><strong>ETN</strong></th>
<th><strong>EID</strong></th>
<th><strong>EJD</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beneficiaries</strong></td>
<td>≥3 from 3 diff. MS/AC Any type</td>
<td>≥2 from 2 diff. MS/AC: (≥1 acad. award. PhD + ≥1 non-academic)</td>
<td>≥3 (acad. award PhD) from 3 diff. MS/AC</td>
</tr>
<tr>
<td><strong>Person-months</strong></td>
<td>Max. 540</td>
<td>Max. 180 / 540</td>
<td>Max. 540</td>
</tr>
<tr>
<td><strong>Researchers</strong></td>
<td>Researches ESRs only (3-36 months)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Partner Organ.</strong></td>
<td>Not pre-defined (any country / sector / discipline)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PhD enrolment</strong></td>
<td>typically expected</td>
<td>mandatory</td>
<td>mandatory</td>
</tr>
<tr>
<td><strong>Non-academic</strong></td>
<td>essential</td>
<td>mandatory</td>
<td>essential</td>
</tr>
<tr>
<td><strong>participation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inter-sectoral</strong></td>
<td>possible through secondments</td>
<td>≥50% in non-academic</td>
<td>possible through secondments</td>
</tr>
<tr>
<td><strong>Exposure</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Panels and rank lists</strong></td>
<td>8 panels: CHE, ECO, ENG, ENV, LIF, MAT, PHY, SOC (317 M€)</td>
<td>EID panel (25 M€)</td>
<td>EJD panel (28 M€)</td>
</tr>
</tbody>
</table>
Financing
Funding mechanism

Unit costs
Unit costs are a pre-estimated cost for the implementation of the action.

Advantage when applying
Automated calculation of budget when computing ESR months in your proposal
## ITN Costs categories

### Unit costs/1 researcher month:

<table>
<thead>
<tr>
<th>Researcher</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living allowance</td>
<td>Research, training and networking costs</td>
</tr>
<tr>
<td>Mobility allowance</td>
<td>Management and indirect costs</td>
</tr>
<tr>
<td>Family allowance</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Researcher</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living allowance</td>
<td>3.110</td>
<td></td>
</tr>
<tr>
<td>Mobility allowance</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>Family allowance</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Research, training and networking costs</td>
<td>1.800</td>
<td></td>
</tr>
<tr>
<td>Management and indirect costs</td>
<td>1.200</td>
<td></td>
</tr>
</tbody>
</table>

- **Country correction coefficient applies to the living allowance**
- Researcher allowances include employer contributions.
- Researcher allowances are a minimum to be paid (top-up funds from other sources permitted).
French Participation
Participations in evaluated proposals

<table>
<thead>
<tr>
<th>Year</th>
<th>Other</th>
<th>France</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>6,588</td>
<td>770</td>
</tr>
<tr>
<td>2008</td>
<td>6,833</td>
<td>748</td>
</tr>
<tr>
<td>2010</td>
<td>6,985</td>
<td>739</td>
</tr>
<tr>
<td>2011</td>
<td>7,397</td>
<td>744</td>
</tr>
<tr>
<td>2012</td>
<td>6,817</td>
<td>704</td>
</tr>
<tr>
<td>2013</td>
<td>7,667</td>
<td>792</td>
</tr>
<tr>
<td>2014</td>
<td>8,382</td>
<td>836</td>
</tr>
</tbody>
</table>
Participations in main list proposals

<table>
<thead>
<tr>
<th>Year</th>
<th>Other</th>
<th>France</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>567</td>
<td>65</td>
</tr>
<tr>
<td>2008</td>
<td>791</td>
<td>84</td>
</tr>
<tr>
<td>2010</td>
<td>512</td>
<td>62</td>
</tr>
<tr>
<td>2011</td>
<td>718</td>
<td>79</td>
</tr>
<tr>
<td>2012</td>
<td>932</td>
<td>89</td>
</tr>
<tr>
<td>2013</td>
<td>1,003</td>
<td>83</td>
</tr>
<tr>
<td>2014</td>
<td>907</td>
<td>85</td>
</tr>
</tbody>
</table>
% Participations from France

- % France participation in evaluated proposals
- % France participation in main list proposals
- % France participations Main-list vs. Evaluated proposals
**ITN 2014 Modes & Budget**

**ETN**
European Training Networks

*Participants implement a joint research training programme*

350.18 M€

**EID**
European Industrial Doctorates

*Doctoral training with the non-academic sector*

25.5 M€

**EJD**
European Joint Doctorates

*Universities cooperating to deliver joint degrees*

30 M€

- **Call Deadline:** 9 April 2014
- **Evaluation week:** 23 – 27 June 2014
- **Launch Grant preparation:** 4 Sept. 2014
- **Starting dates:** 1 Nov 2014 – 1 Jan 2015
### ITN 2014: submitted and A-list proposals

<table>
<thead>
<tr>
<th>Program</th>
<th>Number</th>
<th>Success Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETN 94</td>
<td>1003</td>
<td>86.4%</td>
</tr>
<tr>
<td>EJD 8</td>
<td>53</td>
<td>4.6%</td>
</tr>
<tr>
<td>EID 105</td>
<td>19</td>
<td>9%</td>
</tr>
<tr>
<td>EID 19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Total Submissions**: 1161
- **Total A-List**: 121

The success rate for each program is as follows:
- **ETN**: 8.6%
- **EJD**: 13.1%
- **EID**: 15.3%
ITN 2014: eligible and A-list proposals by panel

Note: ETN, EJD and EID 2014
ITN 2014: Number of beneficiaries in A-list & Role
ITN 2014: Number of beneficiaries in A-list & Mode

<table>
<thead>
<tr>
<th>Country</th>
<th>ETN</th>
<th>EID</th>
<th>EJD</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>869</td>
<td>76</td>
<td>47</td>
<td>992</td>
</tr>
</tbody>
</table>

[Bar chart showing the distribution of beneficiaries by country and program type (ETN, EID, EJD), with Germany highlighted.]
MARIE SKŁODOWSKA-CURIE ACTIONS
Boosting research careers