Horizon 2020: 2014-2020

3 Pillar Structure

**Excellent Science**
- European Research Council (ERC)
- Future & Emerging Technologies (FET)
- Marie Skłodowska Curie Actions
- Research Infrastructures (RI)

**Industrial Leadership**
- Leadership in Enabling and Industrial Technologies (LEIT) – ICT, KETs & Space
- Access to Risk Finance
- Innovation in SMEs

**Societal Challenges**
- Health and Wellbeing
- Food Security, Sustainable Agriculture, Forestry, Marine, Maritime, Island, Water and Bio-economy
- Secure, Clean & Efficient Energy
- Smart, Green and Integrated Transport
- Climate action, Environment, Resource Efficiency and raw materials
- Inclusive, Innovative and Reflective Societies
- Secure Societies

Spreading Excellence and Widening Participation, Social Sciences and Humanities (SSH) and ICT

- European Institute of Innovation and Technology (EIT)
- Joint Research Centre (JRC)
- EURATOM
Who can participate in Horizon 2020

- Legal entities from MS and AC or created under Community law (and the JRC)
- International European interest organisations
- Legal entities established in international cooperation partner countries (ICPC-INCO) and International organisations
- Legal entities established in 3rd countries other than ICPC-INCO only exceptionally if provided for in SP or WP or essential for carrying out action; or if provision for funding is provided for in a bilateral agreement between Community and that country.
MCA in FP7 (2017-2013) Achievements

All scientific areas covered: bottom-up approach

- **50 000 researchers** financed in FP7 MCA, of **141 nationalities**
- **~ 10 600 projects** funded in FP7 up to now 4.7 billion funding in total
- **> 84 countries** (49 non MS/AC) with **19 700 participations of various host organisations**

- **> 2069** participations from the private sector, making up 7.5% of total beneficiaries, with **34.6% in IAPP** and **14.2% in ITN**
Marie Curie Actions (2007-2014). Ukraine

<table>
<thead>
<tr>
<th>Marie Curie Actions (2007-2014)</th>
<th>Number of organisation participations</th>
<th>Budget (€ million) awarded to Ukrainian organisations</th>
<th>Number of Projects</th>
<th>Ukrainian researchers</th>
<th>Researchers going to Ukrainian organisations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Training Networks</td>
<td>1</td>
<td>0.215</td>
<td>1</td>
<td>106</td>
<td>0</td>
</tr>
<tr>
<td>Industry-Academia Partnerships and Pathways</td>
<td>5</td>
<td>0.558</td>
<td>4</td>
<td>27</td>
<td>1</td>
</tr>
<tr>
<td>Co-funding of regional, national and international programmes</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>Intra-European Fellowships</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>Career Integration Grants</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>International Incoming Fellowships</td>
<td>10²</td>
<td>0.15</td>
<td>10¹</td>
<td>39⁶</td>
<td>0</td>
</tr>
<tr>
<td>International Outgoing Fellowships</td>
<td>1¹</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Sub-Total (fellowships)</td>
<td>110</td>
<td>0.923</td>
<td>12</td>
<td>224</td>
<td>2</td>
</tr>
<tr>
<td>International Research Staff Exchange Scheme</td>
<td>82</td>
<td>5.2</td>
<td>63</td>
<td>687¹</td>
<td>645¹</td>
</tr>
<tr>
<td>Researchers' Night</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total</td>
<td>99</td>
<td>6.1</td>
<td>79</td>
<td>911¹</td>
<td>64²</td>
</tr>
</tbody>
</table>
Marie Skłodowska-Curie actions in Horizon 2020

Budget 2014-2020: 6 162 million €
€745 million in 2015 for all calls together.

- Worldwide and cross-sector mobility
- Financing excellent research in any field
- For all stages of a researcher's career
- Main EU programme for doctoral training
- Breaking barriers between academic and other sectors, especially business
- Combining academic research study with work in companies
MCA Actions in Horizon 2020

Innovative Training Networks - ITN
Individual Fellowships - IF
Research and Innovation Staff Exchange - RISE
Co-funding of regional, national and international programmes - COFUND

European Researchers' Night
Definitions – Researchers

1) Early-stage Researchers (ESR)
   - Less than four years of research experience
   - No doctoral degree

   ITN
   RISE
   COFUND

2) Experienced Researchers (ER)
   - At least four years of research experience
     or
   - A doctoral degree

   IF
   RISE
   COFUND
Definitions

- **Academic sector**: public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations.

- **Non-academic sector**: any socio-economic actor not included in the academic sector definition.

- **Beneficiaries**: signatories of the grant agreement.

- **Partner organisations**: not signing the grant agreement.

- **Full time research equivalent and mobility rule**: following MCA approach.

- **Staff members in RISE**: researchers, managers, administrative and technical personnel supporting research and innovation activities of the project.
Funding

- EU contribution based on **unit costs** calculated on the basis of the researcher-months
- Two broad dimensions of unit costs: researcher and institutional

- **Allowances for the researcher**
  (living, mobility and family allowance)
- Unit costs for **research, training and networking**
- Unit costs for **management** and **indirect costs**

- Country coefficients applicable only to living allowances in ITN and IF
### EU contribution – amounts

<table>
<thead>
<tr>
<th>Categories of eligible costs</th>
<th>Costs of researchers/seconded staff member (1)</th>
<th>Institutional costs (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Living allowance (a)</td>
<td>Mobility allowance (b)</td>
</tr>
<tr>
<td><strong>Marie Skłodowska-Curie action</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ITN (100%)</strong></td>
<td>3 110</td>
<td>600</td>
</tr>
<tr>
<td><strong>IF (100%)</strong></td>
<td>4 650</td>
<td>600</td>
</tr>
<tr>
<td><strong>RISE (100%)</strong></td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td><strong>COFUND (50%)</strong></td>
<td><strong>ESR: 3 710</strong></td>
<td><strong>ER: 5 250</strong></td>
</tr>
</tbody>
</table>

*Notes:*
- ESR: European Social Fund
- ER: European Regional Fund
- Institutional costs include management and indirect costs.
Innovative Training Networks (ITN)

**Objective**
- raise excellence and structure research and doctoral training
- train a new generation of creative, entrepreneurial and innovative **early-stage researchers**

**Scope**
- Triple 'i' dimension of mobility and particular focus on innovation skills

<table>
<thead>
<tr>
<th>European Training Networks (ETN)</th>
<th>European Industrial Doctorates (EID)</th>
<th>European Joint Doctorates (EJD)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimum 3 beneficiaries</strong></td>
<td><strong>Minim. 2 beneficiaries</strong></td>
<td><strong>Minim. 3 beneficiaries</strong></td>
</tr>
<tr>
<td>3 countries (MS/AC)</td>
<td>1 academic</td>
<td>3 MS/AC</td>
</tr>
<tr>
<td>Typical size: 6-10 participants</td>
<td>1 non-academic</td>
<td>All entitled to award doctoral</td>
</tr>
<tr>
<td>(example)</td>
<td>2 countries (MS/AC)</td>
<td>degrees.</td>
</tr>
<tr>
<td>Each beneficiary must recruit</td>
<td>&gt; 50% of time at non-academic</td>
<td>Additional beneficiaries or</td>
</tr>
<tr>
<td>and host at least one</td>
<td>sector</td>
<td>partner organisations from any</td>
</tr>
<tr>
<td>researcher at its premises.</td>
<td>Joint supervision</td>
<td>country, sector and discipline.</td>
</tr>
<tr>
<td>Participation of non-academic</td>
<td>Mandatory</td>
<td>Participation of non-academic</td>
</tr>
<tr>
<td>sector considered essential.</td>
<td>Consortium</td>
<td>sector encouraged.</td>
</tr>
<tr>
<td></td>
<td>Agreement</td>
<td>Mandatory provision of joint,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>double or multiple degrees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(letters of institutional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>commitment signed by a legal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>representative needed in the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>proposal)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Typical set-up: 48 month-projects.</td>
</tr>
</tbody>
</table>
Research and Innovation Staff Exchange (RISE)

**Objective**
- promote international and inter-sector collaboration through research and innovation staff exchanges
- foster a shared culture of research and innovation

**Scope**
- International and inter-sector transfer of knowledge and sharing of ideas
- Common research and innovation project
- Highly skilled research and innovation staff
- **Within Europe: only inter-sector secondments**
- No secondments between institutions located outside Europe or within the same MS/AC

**Expected Impact**
- strengthen the interaction between organisations in the academic and non-academic sectors, and between Europe and third countries
RISE – Minimum Eligibility Conditions

- At least 3 independent participants in 3 different countries
- At least 2 participants from 2 different MS/AC
- If all in MS/AC: at least 1 academic and 1 non-academic
- Support to *secondments of staff members (1-12 months)*
- *Eligibility condition* for staff member: *6 month at the sending institution* prior to the first secondment
- Maximum *540 researcher-months* per consortium
- *In practice, 2 possible minimum settings:*

MS/AC 1 + MS/AC 2 + TC

MS/AC 1 + MS/AC 2 + MS/AC 3

Academic + Non-Academic
Individual Fellowships (IF)

**Objective**
- enhance the creative and innovative potential of *experienced researchers*
- provide opportunities to acquire new knowledge, work on research projects in a European context or outside Europe, resume a career or return to Europe

**Scope**
- Individual, trans-national fellowships awarded to the best or most promising researchers
- *European Fellowships* or *Global Fellowships*
- Career Restart Panel and Reintegration Panel

**Expected Impact**
- release the full potential of researchers and to catalyse significant development in their careers in both the academic and non-academic sectors
- strengthen the contact network of the researcher and the host organisation
IF – Main features

- **Budget:**
  - € 240.50 Million in 2014 (Global Fellowships: 29 Mio)
  - € 215 Million in 2015 (Global Fellowships: 27 Mio)
- Duration of projects: 2 years (IF Global: 3 years)
- Support to **experienced researchers of any nationality** (IF Global and IF Reintegration: nationals of EU MS/AC and long-term residents)
- Focus on **career development**, not necessarily experience
- Additional 3 or 6 month **secondment option**, within Europe and in another sector
- Separate multidisciplinary **panels for CAR and Reintegration**
- Same award sub-criteria for all proposals
COFUND
MSCA to foster excellence throughout Europe

Objective
➢ stimulate regional, national or international programmes to foster excellence in researchers' training, mobility and career development

Scope
➢ international, intersectoral and interdisciplinary research training, as well as transnational and cross-sector mobility of researchers, in line with Charter & Code and with EU principles for Innovative Doctoral Training
➢ opportunities for researchers from all countries
➢ open and transparent selection and recruitment

Expected Impact
➢ exploit synergies between EU actions and those at regional, national, and international level
➢ leverage funding and combat fragmentation
➢ increase working / employment conditions of researchers
**Award Criteria**

<table>
<thead>
<tr>
<th>Excellence</th>
<th>Impact</th>
<th>Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality, innovative aspects and credibility of the research (including inter/multidisciplinary aspects)</td>
<td>Enhancing research- and innovation-related human resources, skills, and working conditions to realise the potential of individuals and to provide new career perspectives</td>
<td>Overall coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources</td>
</tr>
<tr>
<td>Clarity and quality of transfer of knowledge/training for the development of researcher in light of the research objectives</td>
<td>Effectiveness of the proposed measures for communication and results dissemination</td>
<td>Appropriateness of the management structures and procedures, including quality management and risk management</td>
</tr>
<tr>
<td>Quality of the supervision and the hosting arrangements</td>
<td></td>
<td>Appropriateness of the institutional environment (infrastructure)</td>
</tr>
<tr>
<td>Capacity of the researcher to reach or re-enforce a position of professional maturity in research</td>
<td></td>
<td>Competences, experience and complementarity of the participating organisations and institutional commitment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>50%</th>
<th>30%</th>
<th>20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Weighting**

An overall threshold of 70% will be applied to the total weighted score
**MSCA Calls 2014-2015**

<table>
<thead>
<tr>
<th>Program</th>
<th>Start Date</th>
<th>End Date</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN</td>
<td>11/12/2013-09/04/2014</td>
<td>02/09/2014-13/01/2015 OPEN!</td>
<td>EUR 405.18 million EUR 370.00 million</td>
</tr>
<tr>
<td>IF</td>
<td>12/03/2014-11/09/2014</td>
<td>12/03/2015-10/09/2015</td>
<td>EUR 204.50 million EUR 215.00 million</td>
</tr>
<tr>
<td>RISE</td>
<td>11/12/2013-24/04/2014</td>
<td>06/01/2015-28/04/2015</td>
<td>EUR 70.00 million EUR 80.00 million</td>
</tr>
<tr>
<td>COFUND</td>
<td>10/04/2014-02/10/2014</td>
<td>14/04/2015-01/10/2015</td>
<td>EUR 80.00 million EUR 80.00 million</td>
</tr>
<tr>
<td>NIGHT</td>
<td>11/12/2013-04/03/2014</td>
<td></td>
<td>EUR 8.00 million</td>
</tr>
</tbody>
</table>
MSCA Web-Portal

http://ec.europa.eu/research/mariecurieactions/index_en.htm

http://ec.europa.eu/euraxess/

https://www.mariecuriealumni.eu/
Web-Training Sessions

- The European Commission organized web-streamed training in early 2014 which is still valid for the 2015 calls
- ITN & RISE
  - Policy and objectives
  - Implementation modalities
  - How to submit a proposal
  - Questions and answers
- Recorded and viewable via the link:
Learn more

Marie Skłodowska-Curie actions:
http://ec.europa.eu/research/mariecurieactions/index_en.htm

Work Programs 2014-2015:

Open Calls:

Rules:

On-line Manual:


Participants Portal:
Olena Koval
NIP/Ukraine
office 801, 180, Gorkiy Street, Kyiv, 03680, Ukraine
Tel/fax: +380 44 529 0332
E-mail: nip@fp7-ncp.kiev.ua
Web: http://www.fp7-ncp.kiev.ua

Thanks for your attention