



Marie Skłodowska-Curie actions

Zurich, 9 April 2014

Kamila Partyka
DG Education and Culture
European Commission



Horizon 2020



An integrated programme coupling research to innovation:

- Responding to the economic crisis to invest in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology



**The three pillars of
H2020**





Objectives:

- Ensure the optimum development and dynamic use of Europe's intellectual capital
- Generate new skills, knowledge and innovation
- Develop attractive career opportunities for competitive and interdisciplinary R&I environment

Budget 2014-2020:

- 6 162 million € (current prices)

MSCA Key Features



Includes **all domains** of research and innovation from **basic** research up to **market take-up** and **innovation services**



MSCA are **open to** researchers of **any nationality**, at **all career stages**, hosted in both academic and non-academic sectors



Cross-border mobility is the key requirement
Cross-sector mobility is strongly promoted



Promotion of **gender balance**, **open recruitment** procedures and excellent **working and employment conditions** for researchers

Global scope

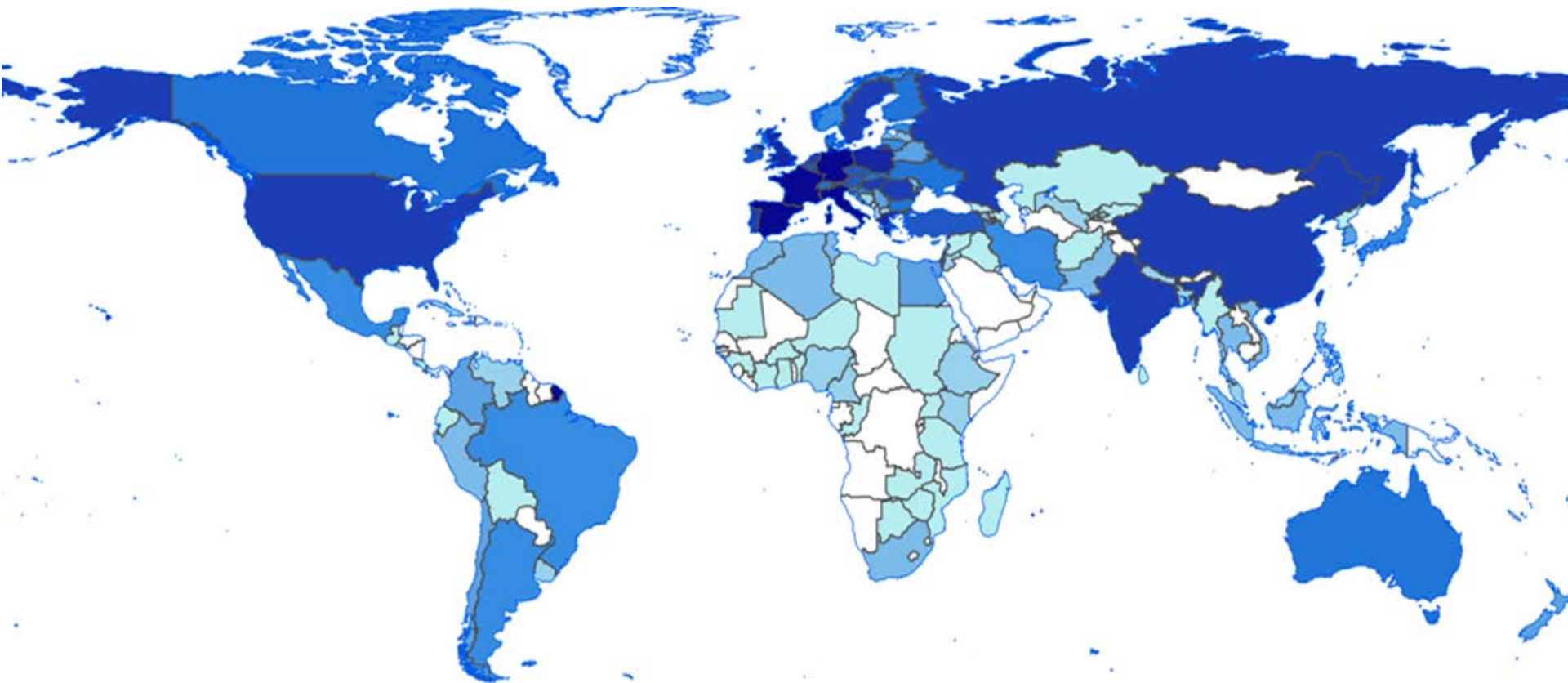


Mobility

Requirement in all projects

Global reach

130 nationalities, 80 countries



Highlights



- **9/10 top R&D investors** in Europe participated in MCA

- **Shanghai top 500** - **2/3** participated in MCA

- **SMEs** play a major role: in FP7 IAPP and ITN they account for **>50%** of business participants

- **86%** beneficiaries **strengthened** existing R&I **collaborations** with partner organisations

- **73%** of participant organisations observe or expect **improvement in the quality of training**

**MCA
Highlights**

FP7 MSCA Achievements



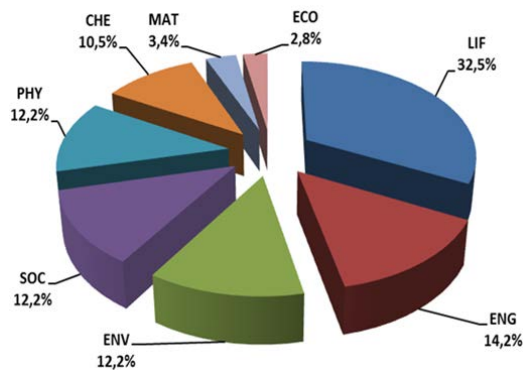
~ **50 000 researchers** financed in FP7 MCA

~ **9 400 projects** funded

> **18 000 participations** of various
host organisations

> **1928 participations** from the private sector,
making up >10% of total participants, with
44.6% in IAPP and **20.8% in ITN**

• **37%** of MSCA participants are women

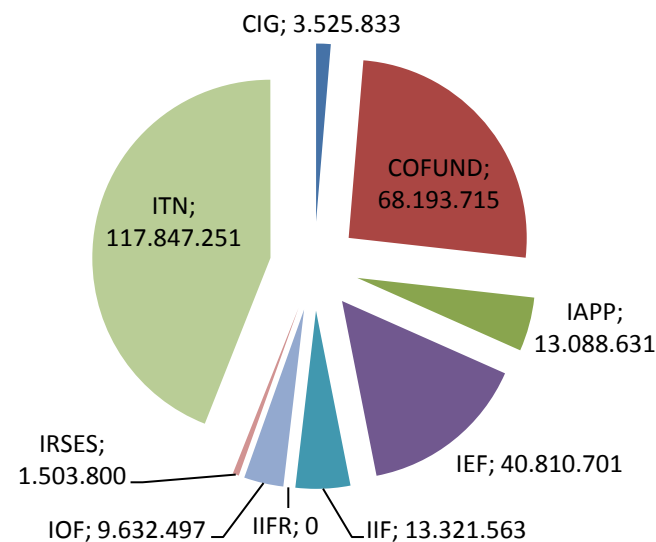


All scientific areas covered:
bottom-up approach

Swiss participation in FP7 MCA



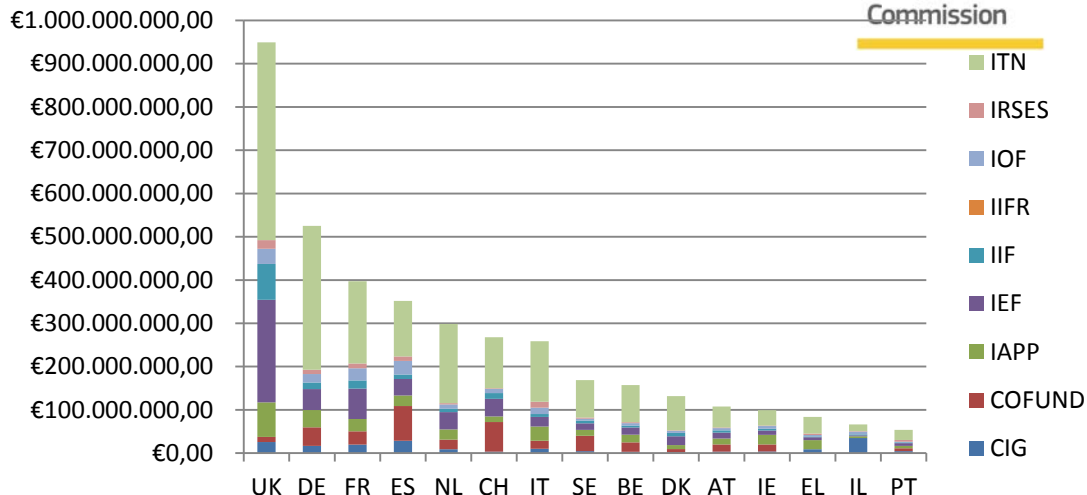
- ✓ **267.9 million EUR** allocated to Swiss institutes
- ✓ 732 participations in FP7 MCA projects
- ✓ **168 Swiss researchers** funded
- ✓ **1379 researchers coming to Switzerland** with MCA fellowships



Swiss participation in FP7 MCA

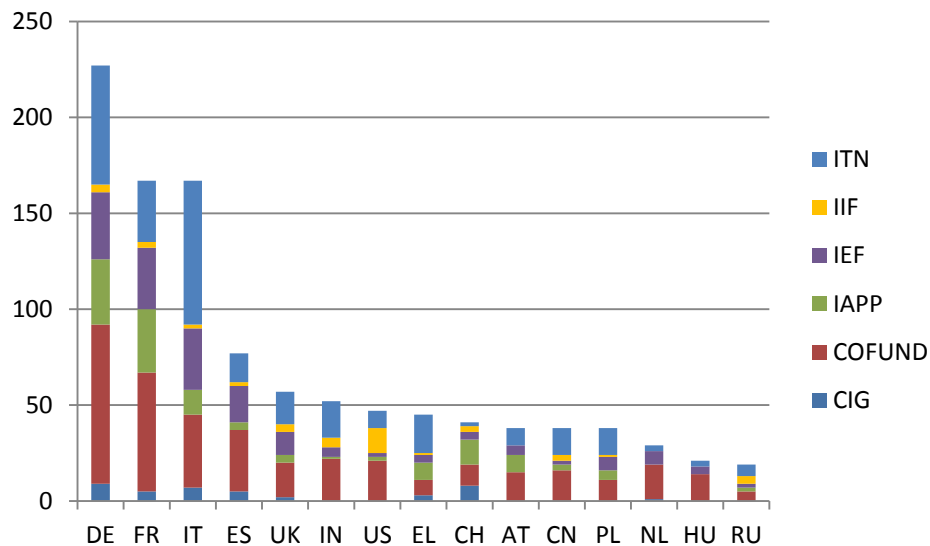


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Switzerland – the 6th most active country in terms of EU contribution granted to the FP7 MCA projects

15 first nationalities of researchers coming to Switzerland



MSCA programme



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Innovative Training
Networks - ITN



Individual Fellowships - IF

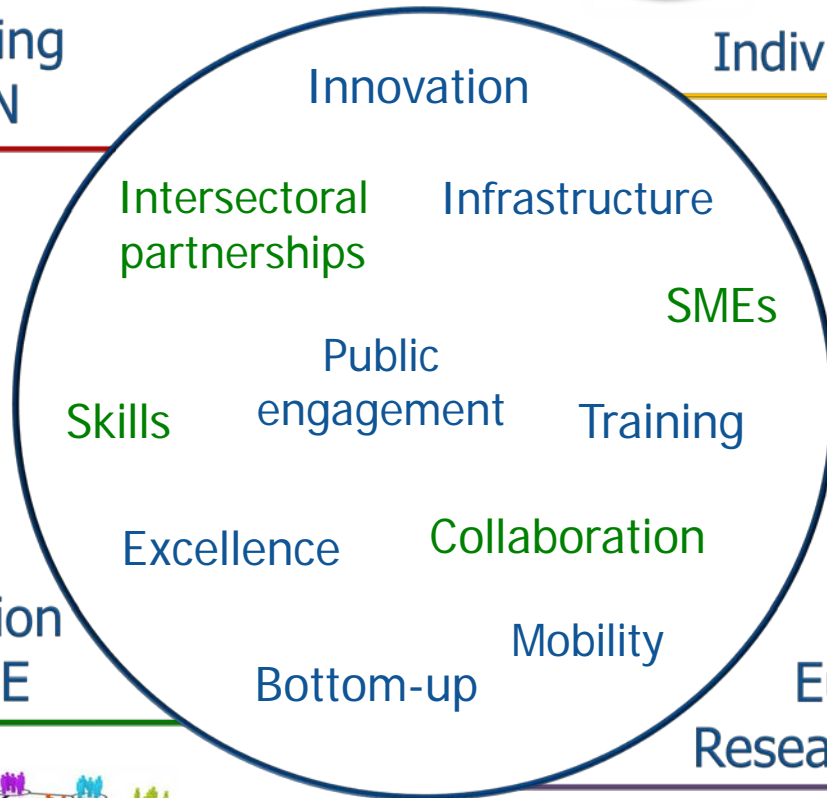


COFUND

Research and Innovation
Staff Exchange - RISE



European
Researchers Night



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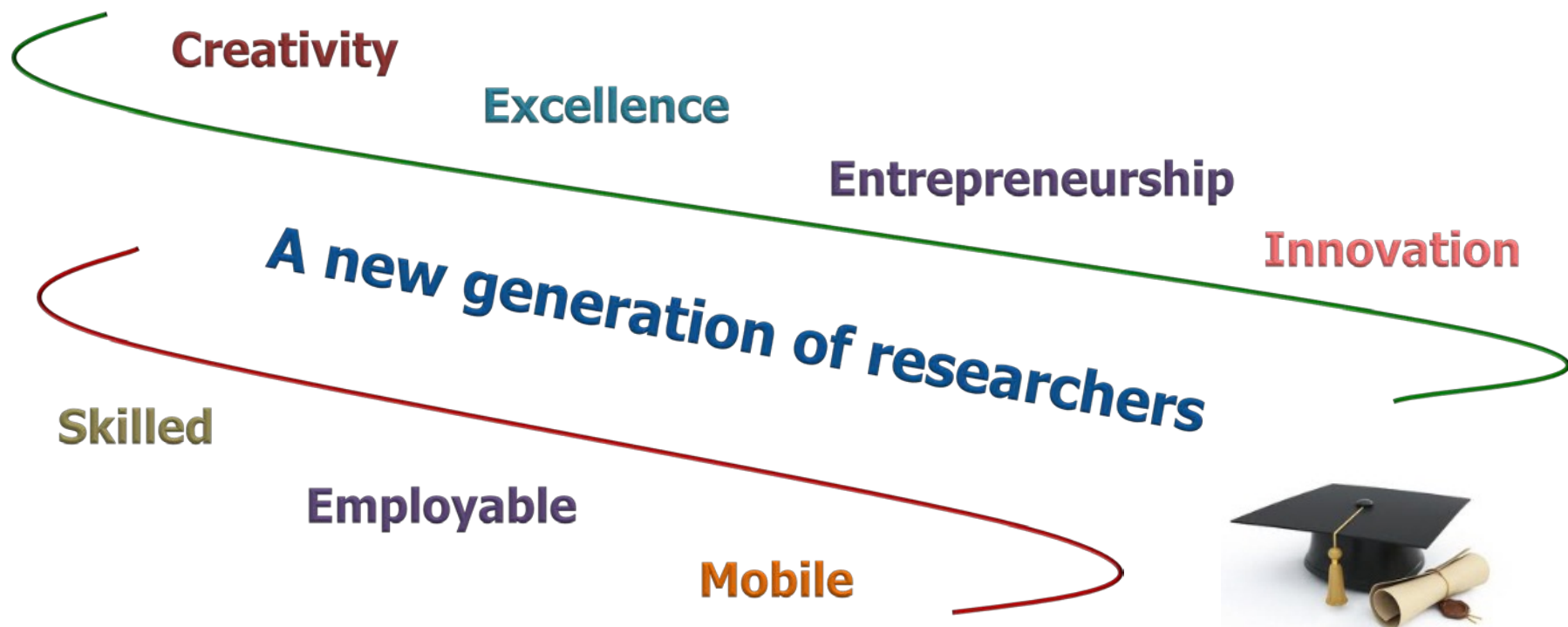
Innovative Training Networks - ITN



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What is ITN?

- Structured doctoral training for early-stage researchers based on cross-border and cross-sector partnerships (consortia)



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ITN - Details



Budget:

- € 405.18 Million in 2014 (EID: 25.5 Mio, EJD: 30 Mio)
- € 370 Million in 2015 (EID: 25 Mio, EJD 28 Mio)



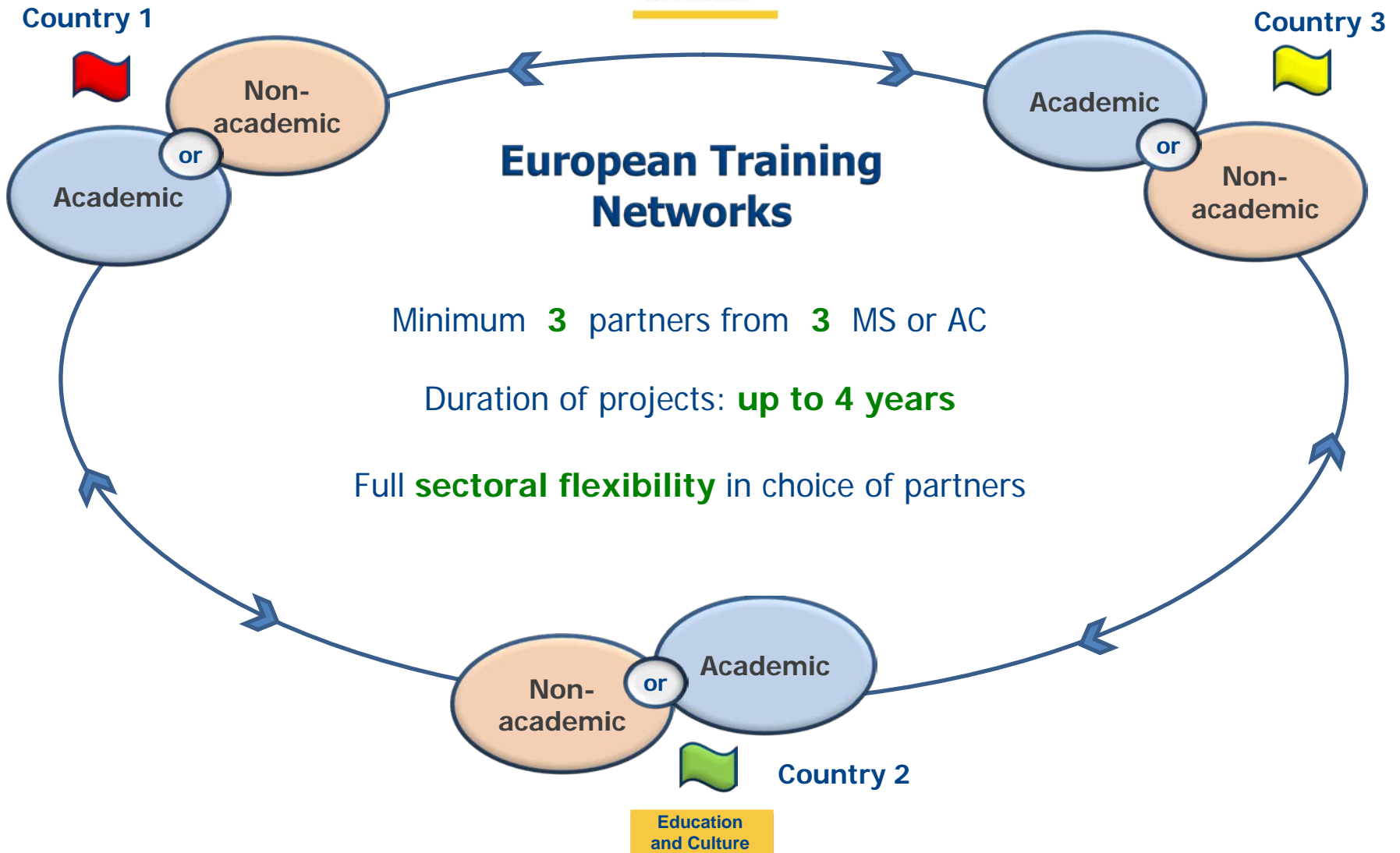
Main features:

- ✓ **Exposure to the non-academic sector** as elementary part of the training
- ✓ **Joint supervision** with business (including SMEs) or other non-academic partners
- ✓ Project of **up to 4 years** duration and **fellowships of 3-36 months**
- ✓ Maximum **540 researcher-months** per consortium (or 180 for EID with 2 partners)

Consortia in ITN: ETN



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Consortia in ITN: EID



Country 1



Non-
academic

European Industrial Doctorates

Inter-sectoral partnerships for doctoral training

Minimum **2** partners from **2** MS or AC and from **differing** sectors

Minimum **50%** of research time in non-
academic environment

Separate selection panel

Academic



Country 2



Country 1



Academic

Country 2



Academic

European Joint Doctorates

Based on collaboration between **academic** organisations entitled to award doctoral degrees

Minimum **3** partners from **3** MS or AC

Opportunities for **non-academic sector** to contribute to training and research

Separate selection panel

Academic

Country 3



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Individual Fellowships - IF



What is IF?

- Individual trans-national fellowships to the best and most promising experienced researchers

What is on offer?

European Fellowships

Career Restart Panel

Reintegration Panel

Global Fellowships

- ✓ Open to **hosts from both** academic and non-academic **sectors**
- ✓ **Secondments** to / from the non-academic sector: 3 – 6 months
- ✓ Career development with an inter-sectoral dimension
- ✓ Strengthening **networking capabilities** both for researchers and for organisations involved

IF - Details



Budget:

- € 240.50 Million in 2014 (Global Fellowships: 29 Mio)
- € 213 Million in 2015 (Global Fellowships: 27 Mio)

Objectives and expected impact

- ✓ Enhance the creative and innovative **potential of post-doctoral researchers**
- ✓ Provide support to **experienced researchers of any nationality**
- ✓ Focus on **career development**
- ✓ Catalyse significant development in researchers' careers **in both the academic and non-academic sectors**

IF – European and Global



For fellows coming to or moving within Europe



For fellows from Europe going to Third countries and returning

Research and Innovation Staff Exchange - RISE



What is RISE?

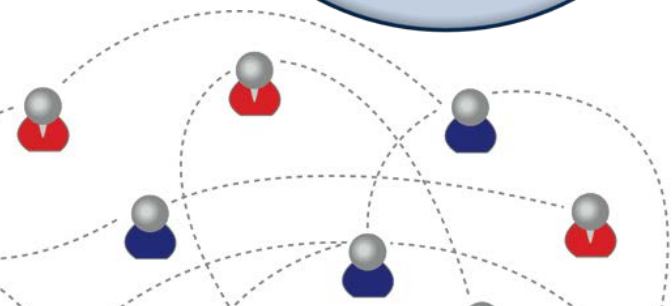
- International and inter-sector collaboration programme based on transfer of knowledge through exchange of staff

Basis:

A joint research
and innovation
project

Objectives:

- ✓ Developing a **shared culture** of research and innovation
- ✓ Stimulate **commercialisation** and **transfer** of knowledge and ideas
- ✓ Foster **interaction** between academic and non-academic organisations



RISE - Details



Budget:

- € 70 Million in 2014
- € 80 Million in 2015

Funding details:

- ✓ Duration of projects: **4 years maximum**
- ✓ Funding cap: **€ 2.43 million per project** (540 researcher-months)



Secondments (1-12 months):

- ✓ **Eligibility requirement:** staff member spent at least 6 months at the sending institution
- ✓ Within Europe: **only inter-sectoral secondments**
- ✓ No secondments between institutions outside Europe or within the same MS/AS

Consortia in RISE



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Country 1 - MS or AC



Non-academic

Academic

Country 2 - MS or AC



Academic

Non-academic



At least **2** partners from MS or AC
RISE consortia require a
minimum of **3** partners
Third and further partners can be
from **any country**

Exchanges between MS/AC:

- Partners need to be from different sectors

Exchanges with Third countries:

- Any combination is possible

Country 3 – MS or AC or TC

Non-academic

Academic



Staff:

- Research
- Managerial
- Administrative
- Technical

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What is COFUND?

- Funding for funders: EU/AC based organisations or international European interest organisations that fund or manage doctoral or fellowship programmes



Possibilities:

- ✓ Funding for **doctoral** and **fellowship** programmes
- ✓ Mono-beneficiary
- ✓ Regional, national or international scope
- ✓ Private and public organisations may apply

Objectives:

- ✓ Develop and exploit synergies between EU actions and other programmes
- ✓ Combat fragmentation of funds
- ✓ Improve employment conditions for researchers



COFUND - Details



Budget:

- € 80 Million in 2014 (€ 30 Mio for Doctoral Programmes)
- € 80 Million in 2015 (€ 30 Mio for Doctoral Programmes)

Projects:

- ✓ Duration of projects: **maximum 5 years**
- ✓ Maximum funding: **€ 10 million** per applicant per call



Recruitment:

- ✓ Opportunities for researchers from **all countries**
- ✓ Researchers are recruited for **minimum 3 months**
- ✓ EU unit cost contribution to **living allowances for researchers** and **management costs**
- ✓ **Inter-sectoral mobility** is strongly encouraged

MSCA Calls 2014-2015



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ITN	11/12/2013 – 09/04/2014 02/09/2014 – 13/01/2015	EUR 405.18 million in 2014 EUR 370.00 million in 2015
IF	12/03/2014 – 11/09/2014 12/03/2015 – 10/09/2015	EUR 240.50 million in 2014 EUR 213.00 million in 2015
RISE	11/12/2013 – 24/04/2014 06/01/2015 – 28/04/2015	EUR 70.00 million in 2014 EUR 80.00 million in 2015
COFUND	10/04/2014 – 02/10/2014 14/04/2015 – 01/10/2015	EUR 80.00 million in 2014 EUR 80.00 million in 2015

EU contributions



How does the MSCA funding work?

- ✓ Contributions are **based fully on unit costs** (person-month) -> MSCA calls
- ✓ **Country coefficients** are applicable to living allowances in ITN and IF
- ✓ Two broad dimensions of units costs: **researcher** and **institutional**
- ✓ **Dedicated allowances** for research, training and networking costs
- ✓ Dedicated units cost for **management and indirect costs**

EU contributions - amounts



Categories of eligible costs	Costs of researchers / seconded staff member (1)				Institutional costs (2)	
	Living allowance (a)	Mobility allowance (b)	Family allowance (c)	Top-up allowance (d)	Research, training and networking costs (a)	Management and indirect costs (b)
<i>Marie Skłodowska-Curie action</i>						
ITN (100%)	3 110	600	500	--	1 800	1 200
IF (100%)	4 650	600	500	--	800	650
RISE (100%)	--	--	--	2 000	1 800	700
COFUND (50%)	ESR: 3 710 ER: 5 250	--	--	--	--	650

The assessment criteria



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EXCELLENCE

IMPACT

IMPLEMENTATION

Overall score:
0 - 5

Overall score:
0 - 5

Overall score:
0 - 5

Weight:
50%

Weight:
30%

Weight:
20%

Priority
1

Priority
2

Priority
3

MSCA Expected impact



2014

2020



- ✓ ~ **65.000 researchers** to be supported, including **25.000 PhD** candidates
- ✓ ~ **200.000 scientific publications** in high impact peer-reviewed journals
- ✓ ~ **1.500 patent** applications
- ✓ ~ **100 spin-offs** created
- ✓ ~ **350-400 new programmes** at regional / national / international level targeting international and intersectoral training, and career development of R&I staff



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Marie Skłodowska-Curie Actions Website

<http://ec.europa.eu/msca>

Horizon 2020

<http://ec.europa.eu/programmes/horizon2020>

Participant Portal (applications)

<http://ec.europa.eu/research/participants/portal>

Marie Skłodowska-Curie Alumni Association

<https://www.mariecuriealumni.eu>