Participation through Marie Sklodovska-Curie Actions: how to raise SME potential through EU researcher mobility

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SMEs and Horizon 2020 – Information Day
Brussels, 15.10.2013

Education and Culture

Outline

➤ **Marie Curie achievements**

➤ **Involvement of SMEs in MCA**

➤ **Marie Skłodowska-Curie Actions:**
  ✓ *Objectives and rationale*
  ✓ *Key features*

European Commission

Research & Training

developing the skills, ...erience, a
employees need to per...
improve their performanc...
skills, and abilities, specifi...

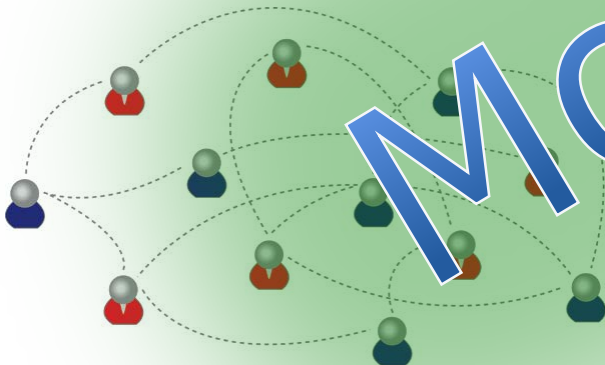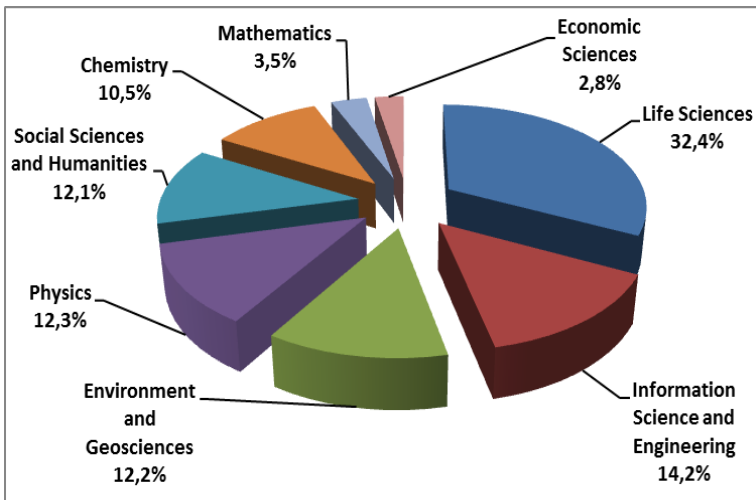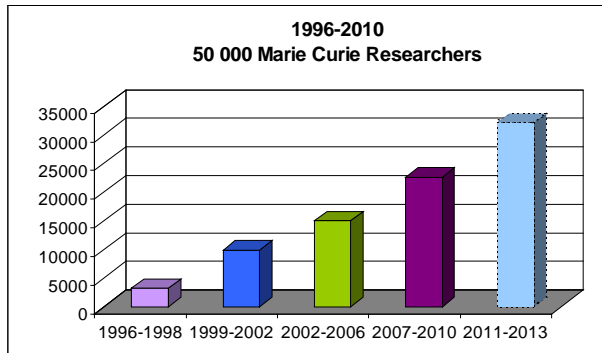Mobility

Excellence

Research

Training

Careers

OPPORTUNITY BLVD

CAREER DR

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FP7 MCA Achievements

1996-2010
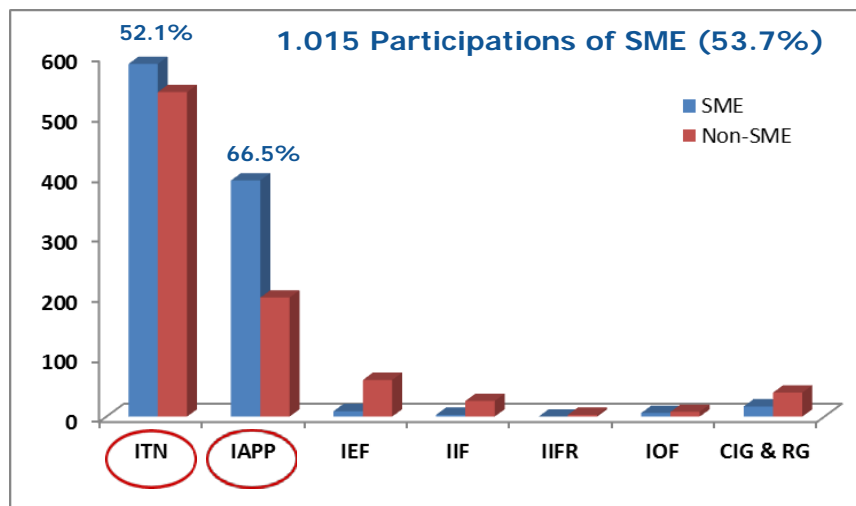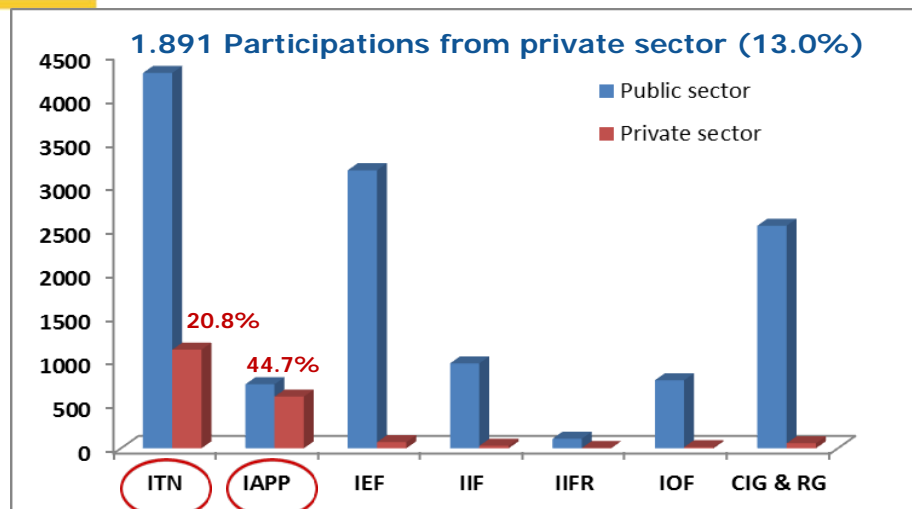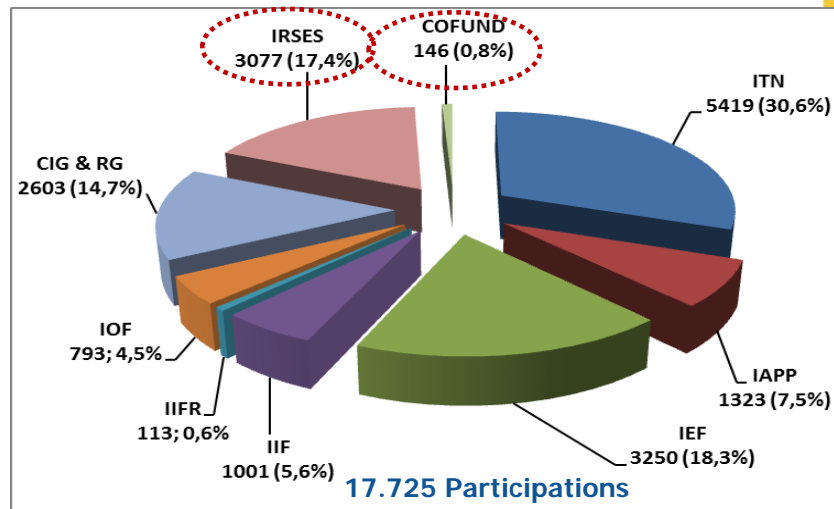**50 000 Marie Curie Researchers**

Budget distribution by scientific panel
in FP7 (bottom-up approach)

European Commission

- ~60 000 researchers financed since creation of MCA

- >10 000 PhD supported in FP7

- ~ 9 200 projects funded so far in FP7 (€4.2 billion)

- ~ 17 800 participations of host organisations in 83 countries (46 TC)

- ~ 18 500 participations of Marie Curie researchers coming from all over the world: 130 nationalities (90 TC)

- IRSES: > 66 000 researcher-months expected to be exchanged (~22 000 individuals estimated)

- SMEs play a major role: in IAPP & ITN account for >50% of all businesses participating

- ~50% of budget dedicated to research in societal challenges

- 38% women participation in FP7 MCA (target: 40%)

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Involvement of SMEs in MCA: Host organisations by Action

Pie chart — **17.725 Participations**:
- ITN 5419 (30,6%)
- IAPP 1323 (7,5%)
- IEF 3250 (18,3%)
- IIF 1001 (5,6%)
- IIFR 113; 0,6%
- IOF 793; 4,5%
- CIG & RG 2603 (14,7%)
- IRSES 3077 (17,4%)
- COFUND 146 (0,8%)

Bar chart — **1.891 Participations from private sector (13.0%)** (Public sector / Private sector) for ITN, IAPP, IEF, IIF, IIFR, IOF, CIG & RG. ITN: 20.8%; IAPP: 44.7%.

Bar chart — **1.015 Participations of SME (53.7%)** (SME / Non-SME) for ITN, IAPP, IEF, IIF, IIFR, IOF, CIG & RG. ITN: 52.1%; IAPP: 66.5%.
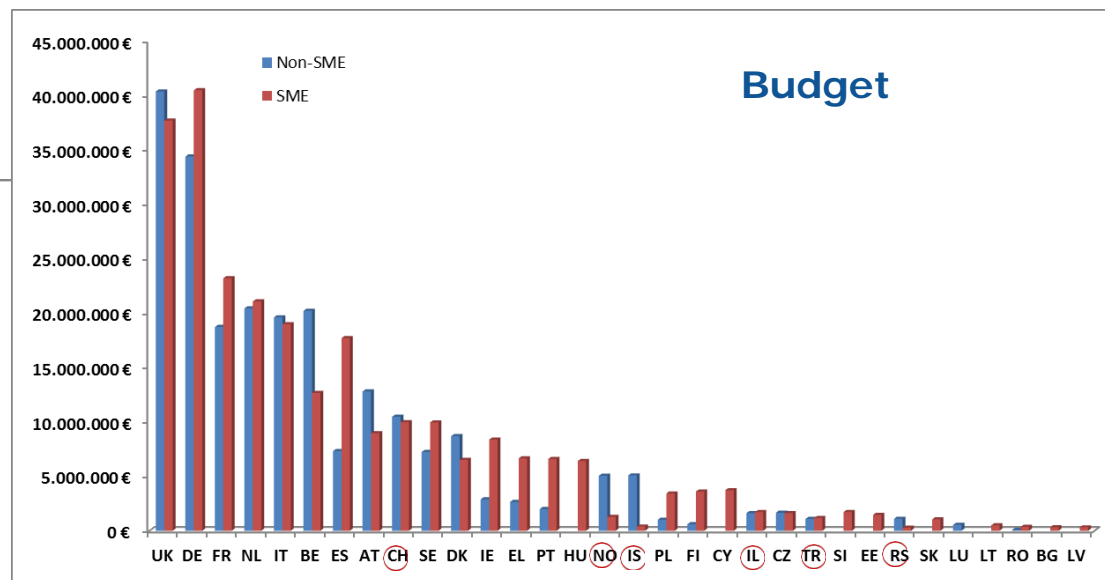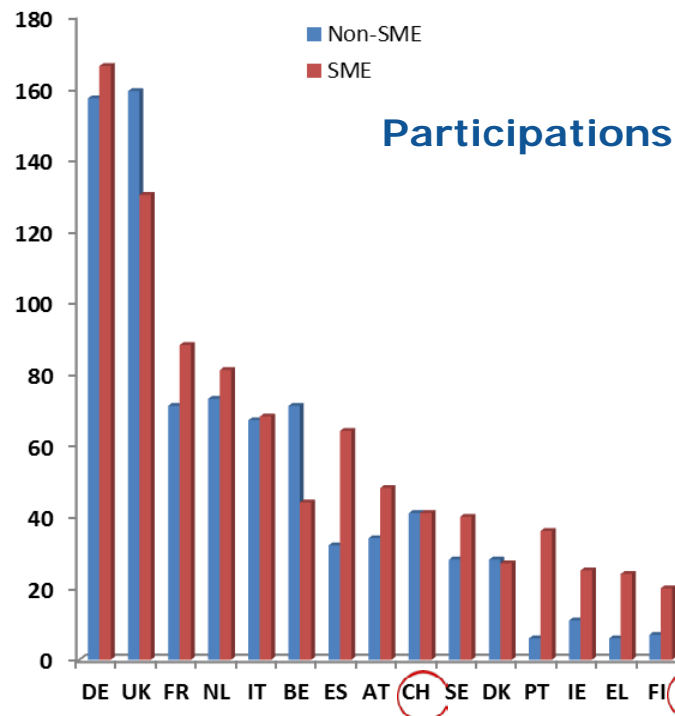
European Commission

Involvement of SMEs in MCA

Distribution of participations & budget from the private sector in MCA funded projects by EU MS/AC

Budget
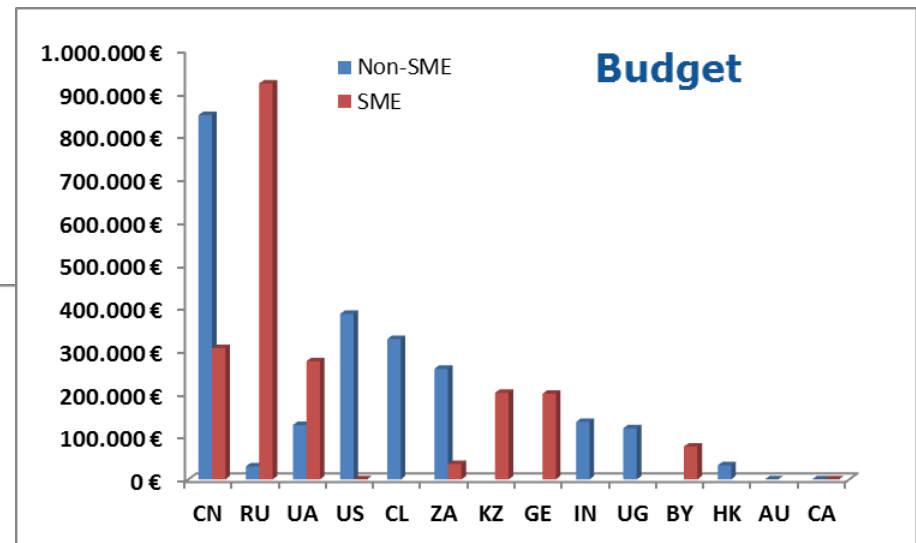
Participations
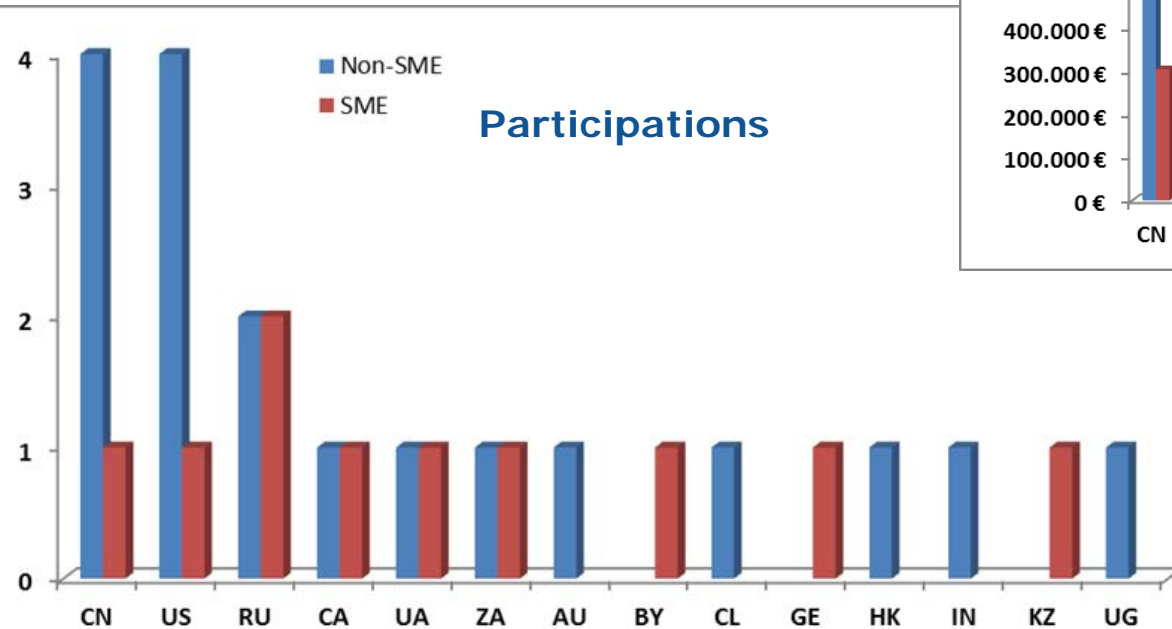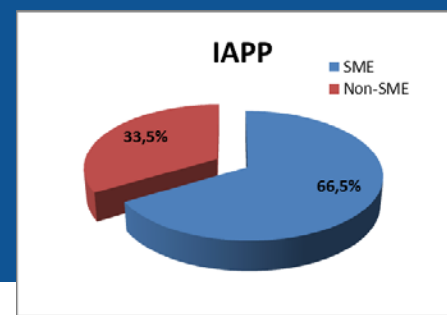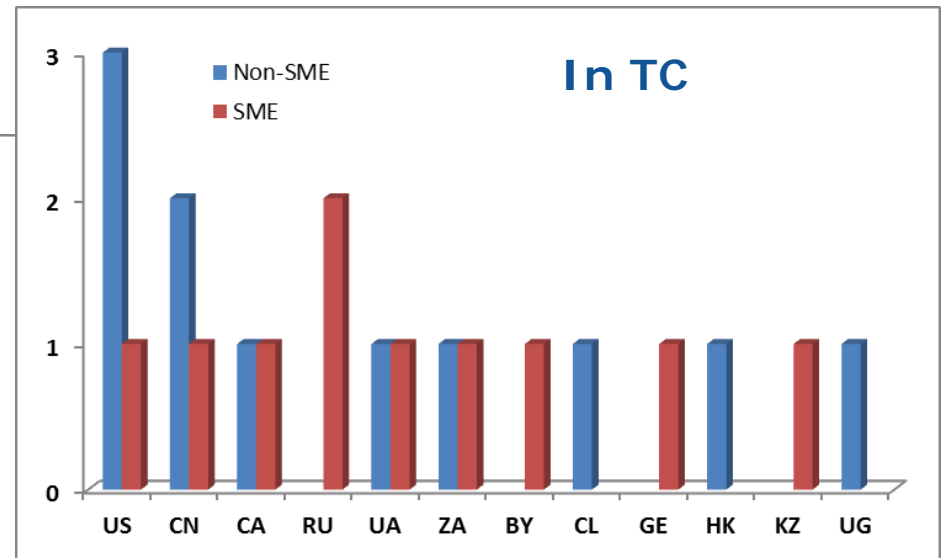
Involvement of SMEs in MCA

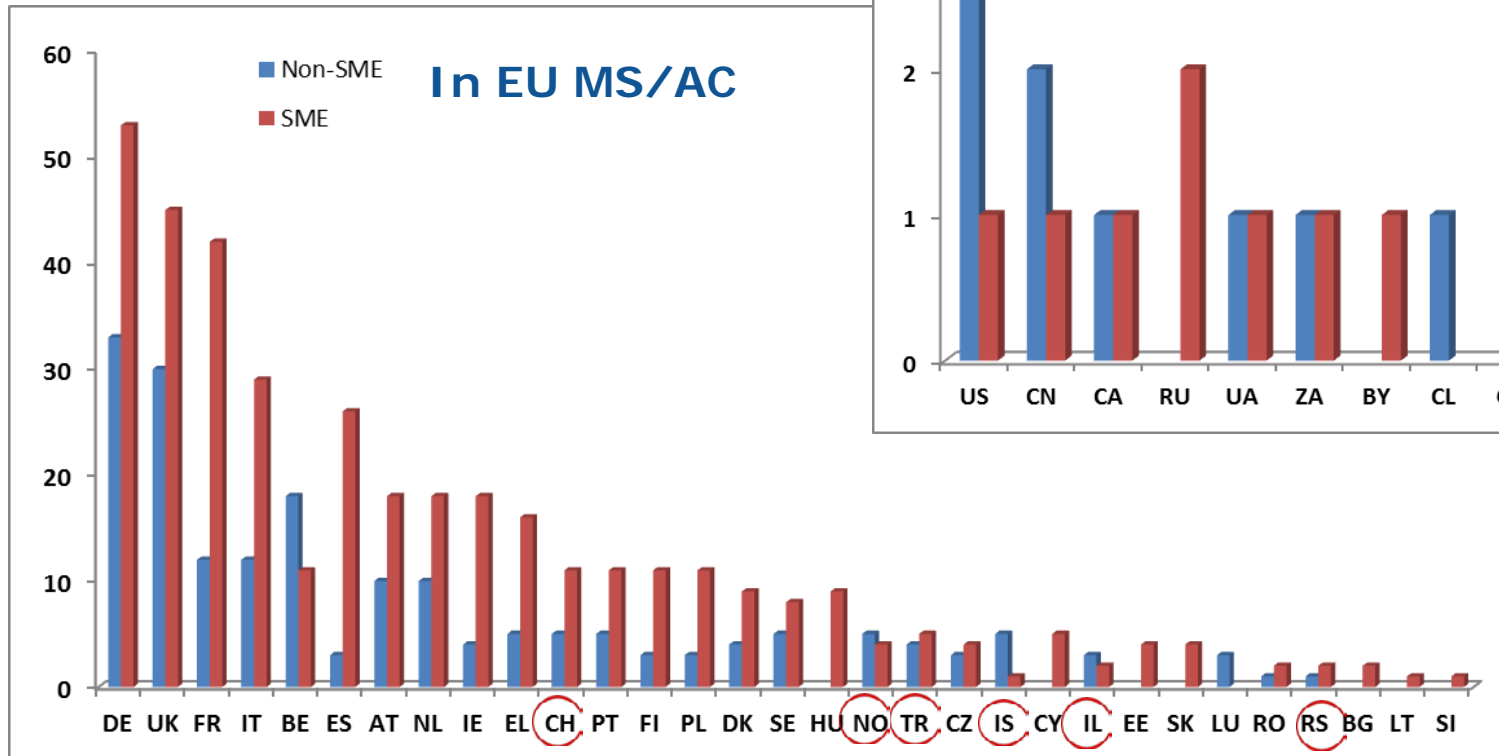**Distribution of participations & budget from the private sector in MCA funded projects by third country**

Involvement of SMEs in IAPP

Distribution of participations from the private sector in IAPP by country

In EU MS/AC

In TC

Involvement of SMEs in ITN
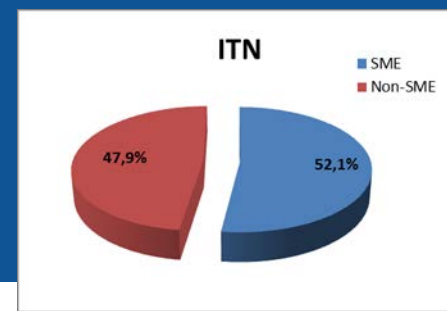
Distribution of participations from the private sector in ITN by country
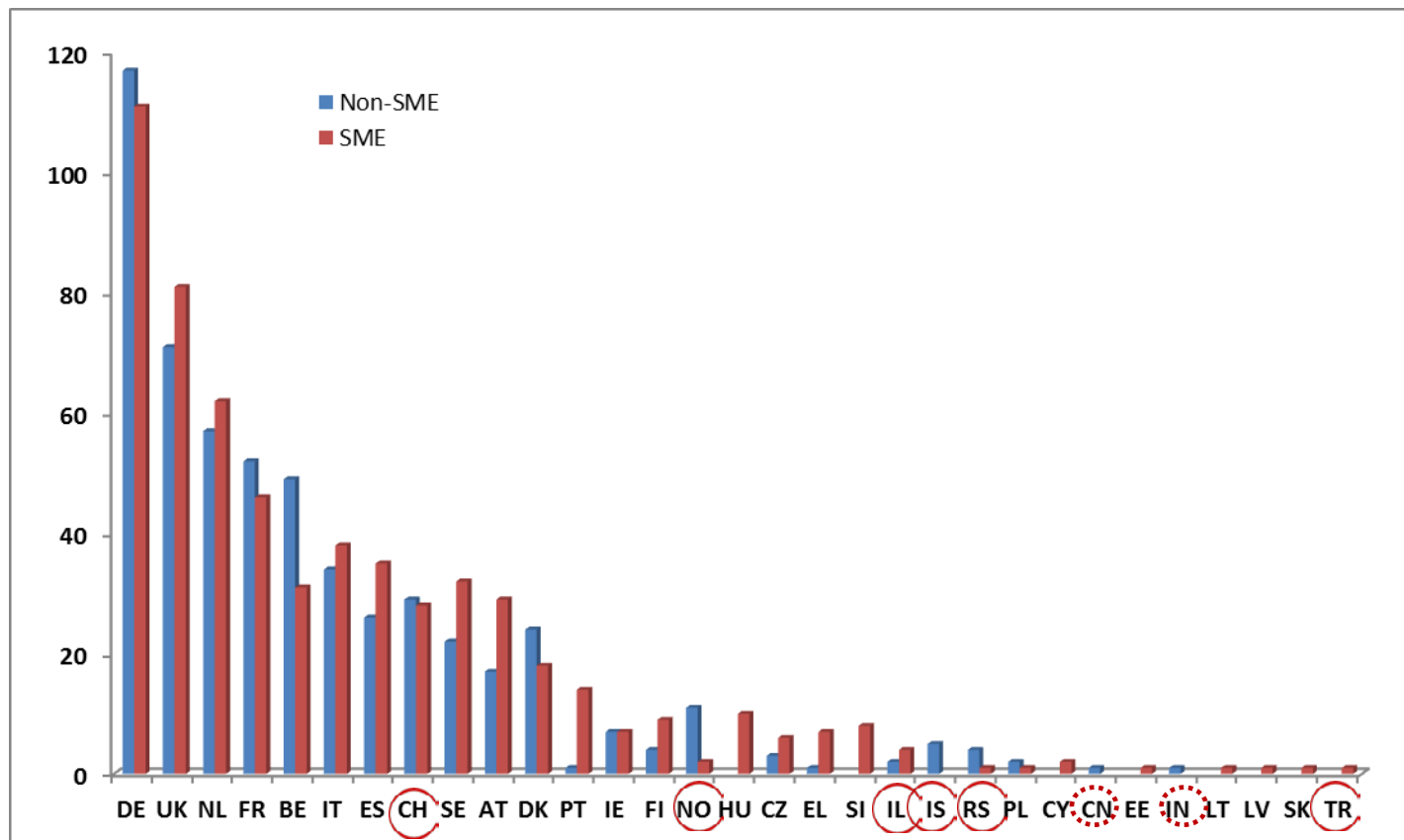
THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

European
Commission

Three priorities:

1. **Excellent science**

2. **Industrial leadership**

3. **Societal challenges**

European
Commission

Excellent Science part

MSCA objective

Ensure the optimum development and dynamic use of Europe's intellectual capital in order to generate new skills and innovation

Total budget (2014-2020): € 6.162 billion (current prices)
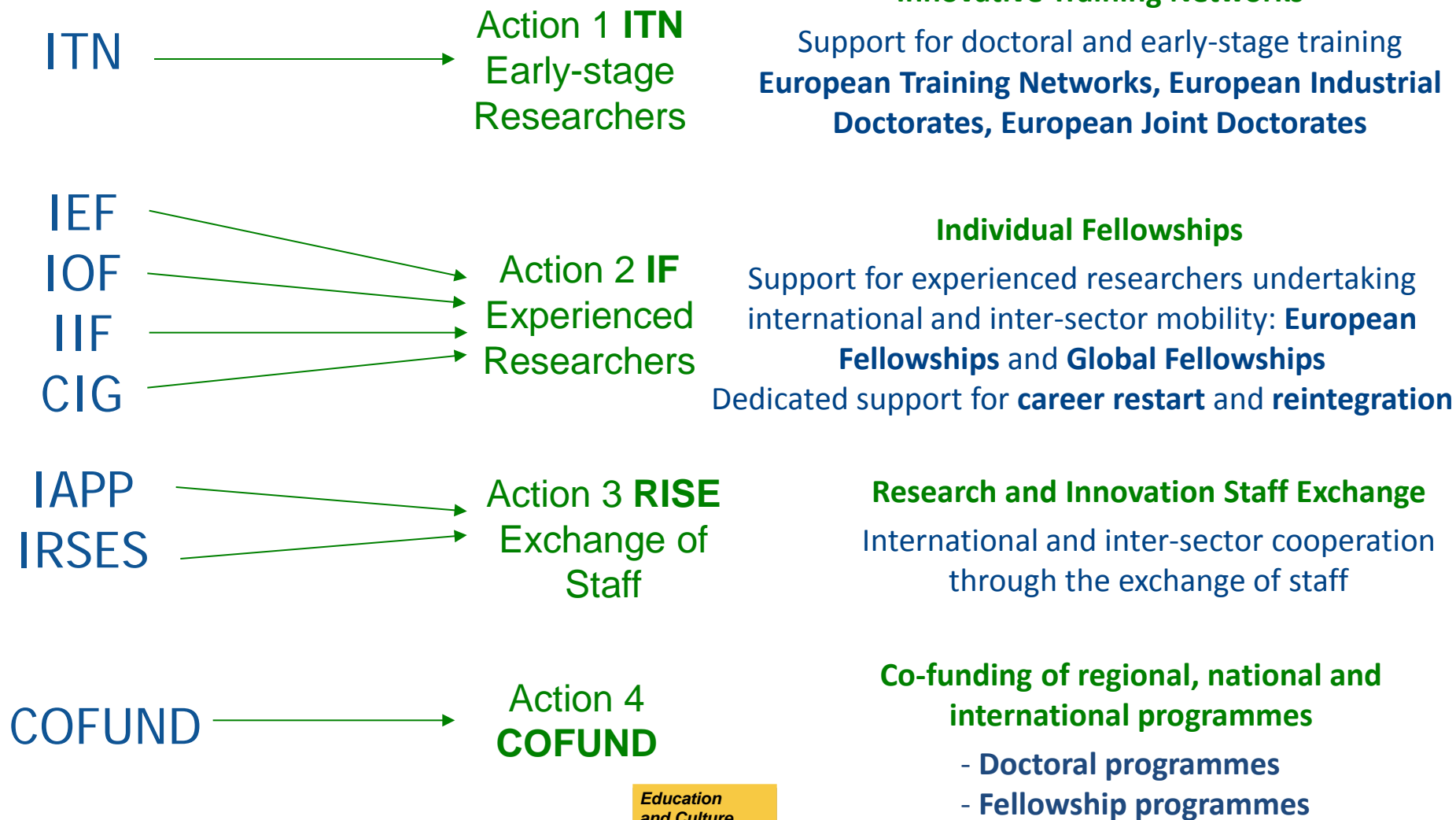
1. *Fostering new skills through excellent **initial training** of researchers*

2. *Nurturing **excellence** through cross-border and cross-sector **mobility***

3. *Stimulating **innovation** through cross-fertilisation of knowledge*

4. *Increasing structural **impact by co-funding** the activities*

5. *Specific support and policy action*

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MSCA in Horizon 2020

- MCA will continue as the MSCA (Marie Skłodowska-Curie Actions)

- Funding levels ~maintained

- Broad schemes ~maintained

- Main features (**bottom-up, mobility, career development, gender balance, employment conditions**) maintained

- Simplification in implementation

- Broader definition of industry involvement: participation of businesses (including SMEs) and other socio-economic actors

- Synergies with other parts of H2020 and with Erasmus+

MSCA in Horizon 2020:
4 Actions

European Commission

ITN → **Action 1 ITN** Early-stage Researchers

Innovative Training Networks

Support for doctoral and early-stage training

European Training Networks, European Industrial Doctorates, European Joint Doctorates

IEF
IOF
IIF
CIG
→ **Action 2 IF** Experienced Researchers

Individual Fellowships

Support for experienced researchers undertaking international and inter-sector mobility: **European Fellowships** and **Global Fellowships**

Dedicated support for **career restart** and **reintegration**

IAPP
IRSES
→ **Action 3 RISE** Exchange of Staff

Research and Innovation Staff Exchange

International and inter-sector cooperation through the exchange of staff

COFUND → **Action 4 COFUND**

Co-funding of regional, national and international programmes

- **Doctoral programmes**
- **Fellowship programmes**

*Education and Culture*

Innovative Training Networks (ITN)

MSCA - main EU programme for structured doctoral training

- ✓ Dedicated to early-stage researchers (no ER recruitment)
- ✓ Involving wide partnership of institutions from academic and non-academic sectors
- ✓ Based on FP7 ITN and EMJD experience
- ✓ Addressing triple 'i' dimension of mobility
- ✓ Combining scientific excellence with innovation-oriented approach
- ✓ Developing entrepreneurship and skills matching research labour market needs
- ✓ Enhancing employability of researchers
- ✓ Proposing innovative ways of doctoral training, such as industrial doctorates or joint doctorates
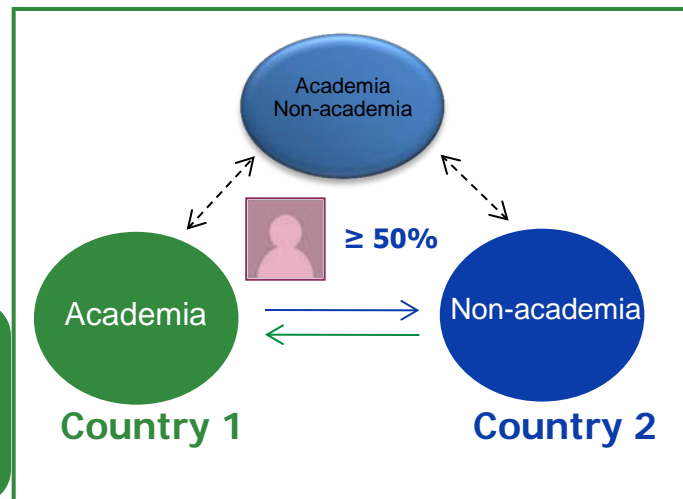
ITN in H2020
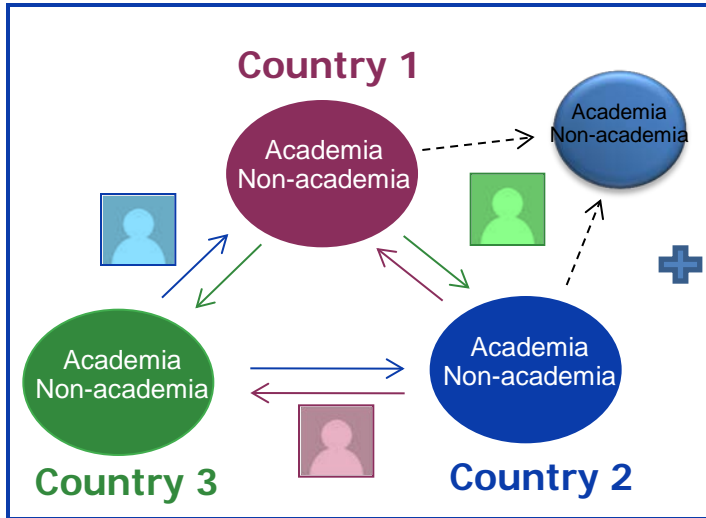
European Training Networks
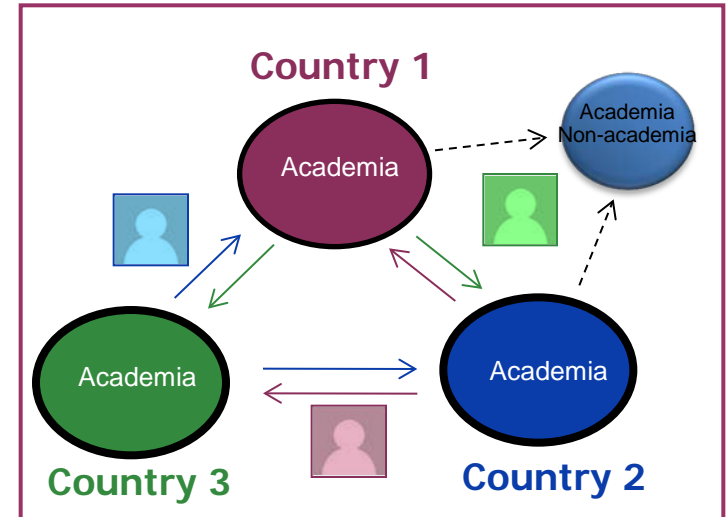
European Joint Doctorates

European Industrial Doctorates

Individual Fellowships (IF)

✓ Opportunities for international and inter-sector mobility of ER to facilitate career moves

✓ Encompass all types of mobility:

    ○ **European Fellowship**

    ○ **Global Fellowship**

✓ Reintegration Panel

✓ Career Restart Panel to resume a research career after a break

✓ Secondments (optional) embedded in the career development
– to take place within Europe (3 or 6 months included in the total duration)

✓ Special focus on inter-sector collaboration

Research and Innovation Staff Exchange (RISE)

European Commission

- ✓ New type of exchange of staff action to stimulate transfer of knowledge and sharing of ideas

- ✓ Flexible inter-sector and international exchanges of highly skilled research and innovation staff

- ✓ Based on a common research and innovation project

- ✓ Secondments only, no recruitment foreseen

- ✓ Single eligibility rule for partnership consortia

- ✓ Exchanges between institutions within Europe cover only inter-sector secondments

- ✓ Exchanges with institutions from outside Europe can be both inter-sector and within the same sector

- ✓ No support for secondments between institutions located outside Europe

RISE in H2020

COFUND
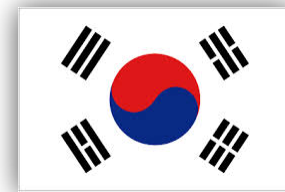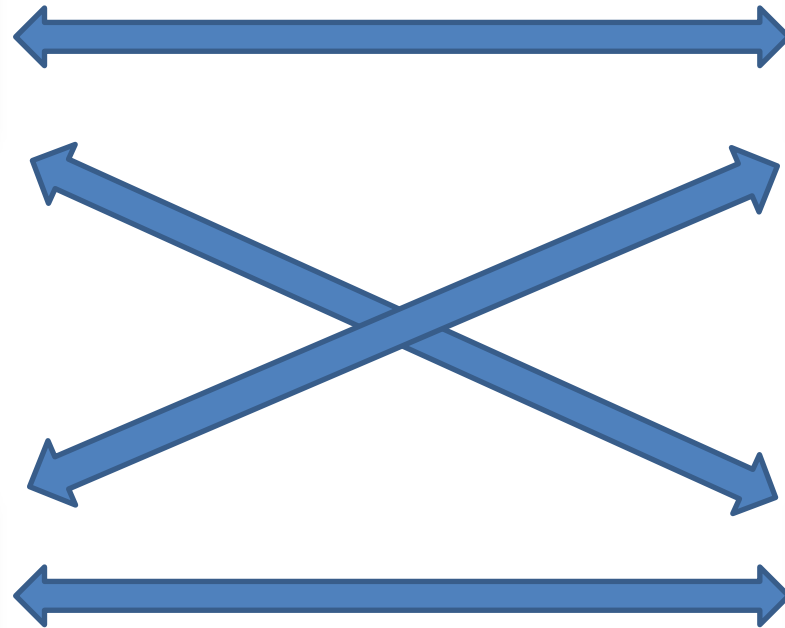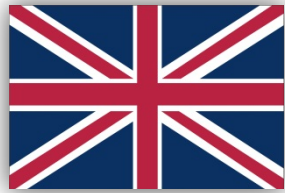
- ✓ Stimulating regional, national and international programmes to foster excellence

- ✓ Spreading best practices of MSCA in terms of international mobility, research training, career development

  - o **Doctoral programmes** (ESR)

  - o **Fellowship programmes** (ER)

- ✓ Sole beneficiary responsible for matching funds

- ✓ Contribution possible from EU regional funds

Marie Curie Actions Website

http://ec.europa.eu/mariecurieactions

Horizon 2020

http://ec.europa.eu/research/horizon2020

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