



Marie Curie Actions

Russia's participation and future opportunities

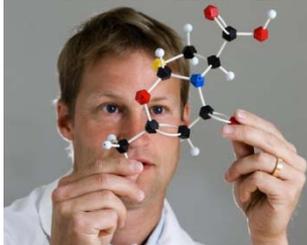
Moscow, 29 May 2012

Kamila Partyka
European Commission
DG Education and Culture



- Marie Curie Actions (MCA) in FP7
- Overview of Russia's participation in MCA
- Future calls
- Horizon 2020 and Marie Skłodowska-Curie Actions

MCA Features

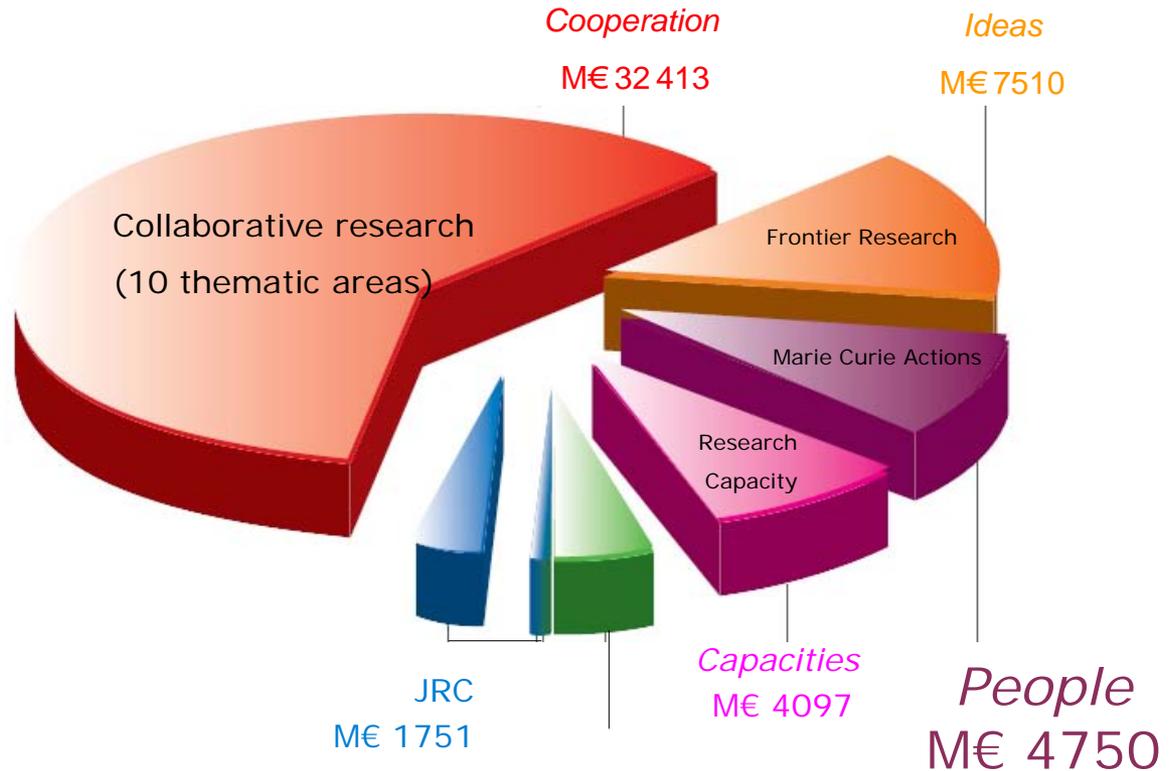


- The Marie Curie Actions are part of the People Programme of the 7th Framework Programme
- They support the mobility, training and career development of researchers of all nationalities
- They fund all the domains of research (bottom-up approach) and the financing rate is 100%
- The applications are done through competitive calls for proposals
- The proposals evaluation is done by independent experts



Where does the money come from?

The 7th Framework Programme for research and technological development (FP7)



Total FP7 budget
2007 – 2013
= € 50 521 million



Europe 2020 Strategy for smart, sustainable and inclusive growth

3 of the 7 flagship initiatives: Innovation Union, Youth on the Move, Agenda for New Skills and Jobs

European Research Area

Charter & Code

European Charter for Researchers & Code of Conduct for the Recruitment of Researchers

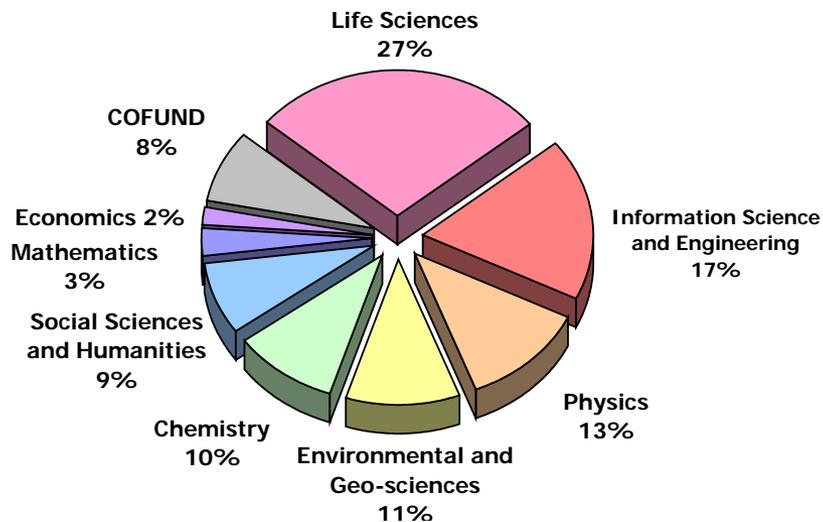
FP7 MC Actions



<i>Marie Curie Action</i>		<i>Objective</i>
<i>Initial training of researchers</i> (~2000 M€)	<i>Initial Training Networks (ITN)</i>	<i>Improve career perspectives of early stage researchers (ESR) in both public & private sector</i>
<i>Life-long training and career development</i> (~1400 M€)	<i>Intra-European Fellowships (IEF)</i>	<i>Career development of experienced researchers (ER) (e.g. diversification of skills/competencies; integrate a stable position after mobility)</i>
	<i>Career Integration Grants (CIG)</i>	
	<i>Co-funding of regional, national, international programmes (COFUND)</i>	
<i>Industry dimension</i> (~350 M€)	<i>Industry-Academia Partnerships and Pathways (IAPP)</i>	<i>Open and foster dynamic pathways between public research organisations and private research commercial enterprises</i>
<i>International dimension</i> World fellowships (~1000 M€)	<i>International Outgoing Fellowships (IOF)</i>	<i>Reinforce the extra-European dimension of the European Research Area (ERA) through mobility, training, knowledge transfer and cooperation</i>
	<i>International Incoming Fellowships (IIF)</i>	
	<i>International Research Staff Exchange Scheme (IRSES)</i>	

Research topics are chosen freely by applicants

- 60.000 researchers financed since the creation of the Marie Curie Actions
- 46% of researchers coming to EU from industrialised countries stay in Europe after the end of the IIF fellowship
- 38% women participation in FP7 MCA, close to the 40% target



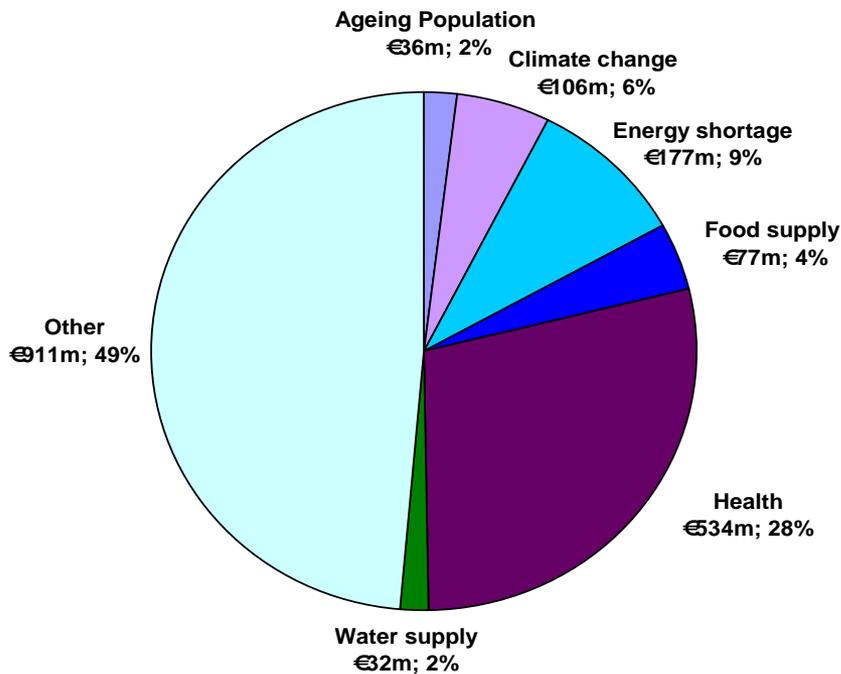
Budget distribution by scientific panel
in FP7 (bottom up approach)

2007-2011

EU contribution: ~ €2 billion

Research projects funded: > 5000

MCA Achievements



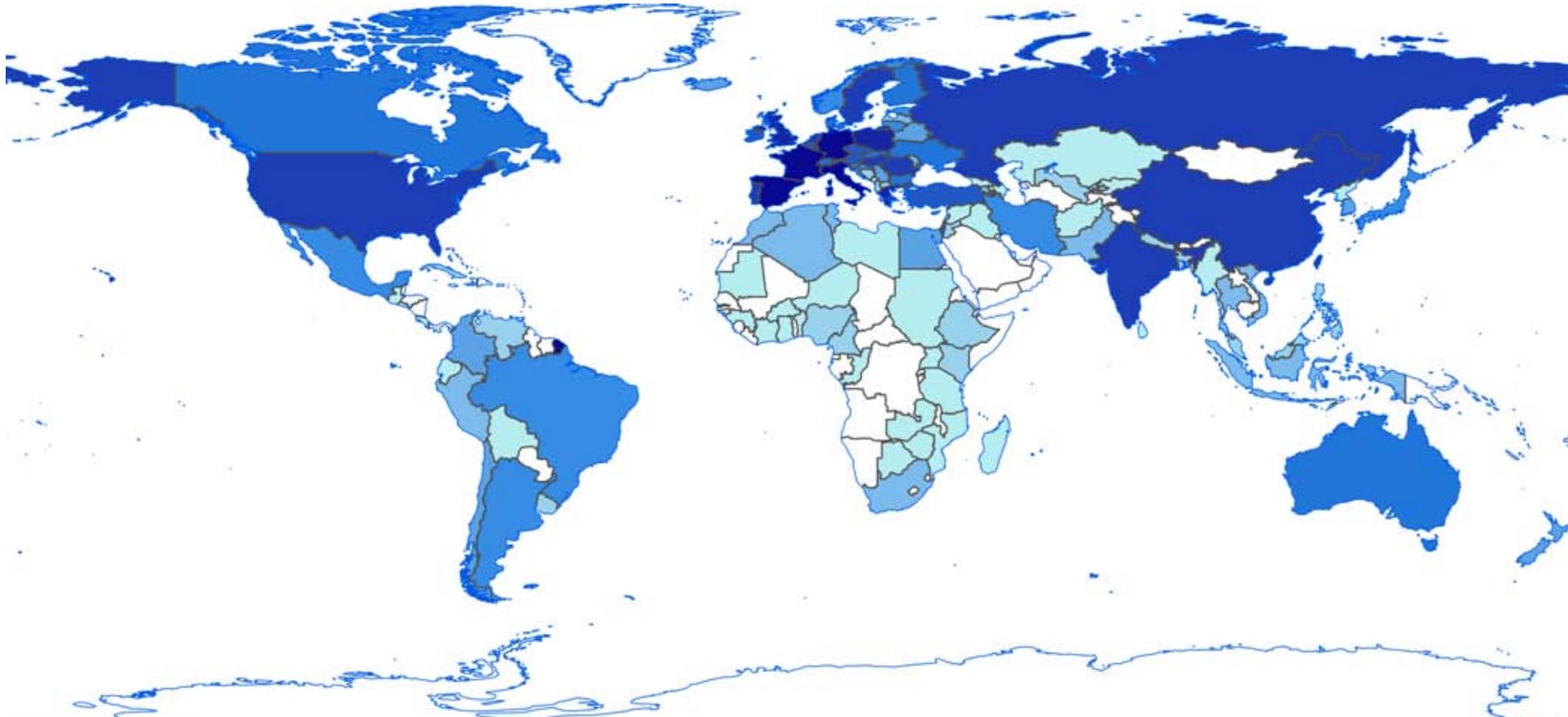
Budget dedicated to societal challenges under FP7 MCA (2007-2011)

- More than 50% of the budget dedicated to research on **societal challenges**
- Bridging the **academia-business** gap: ~6.000 secondments / recruitments in ~350 FP7 MCA projects
- **SMEs** play a major role: in IAPP and ITN they account for **more than 50%** of all businesses participating

MCA in FP7



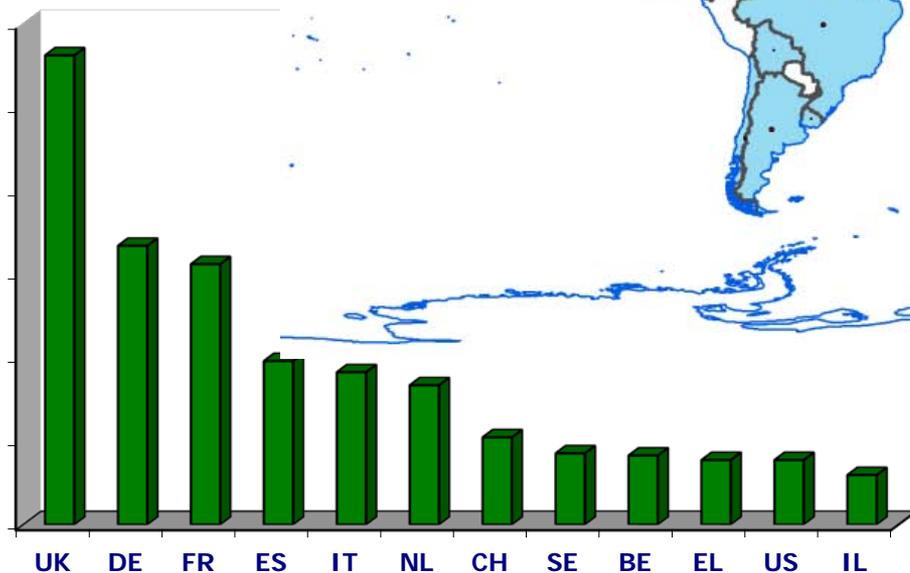
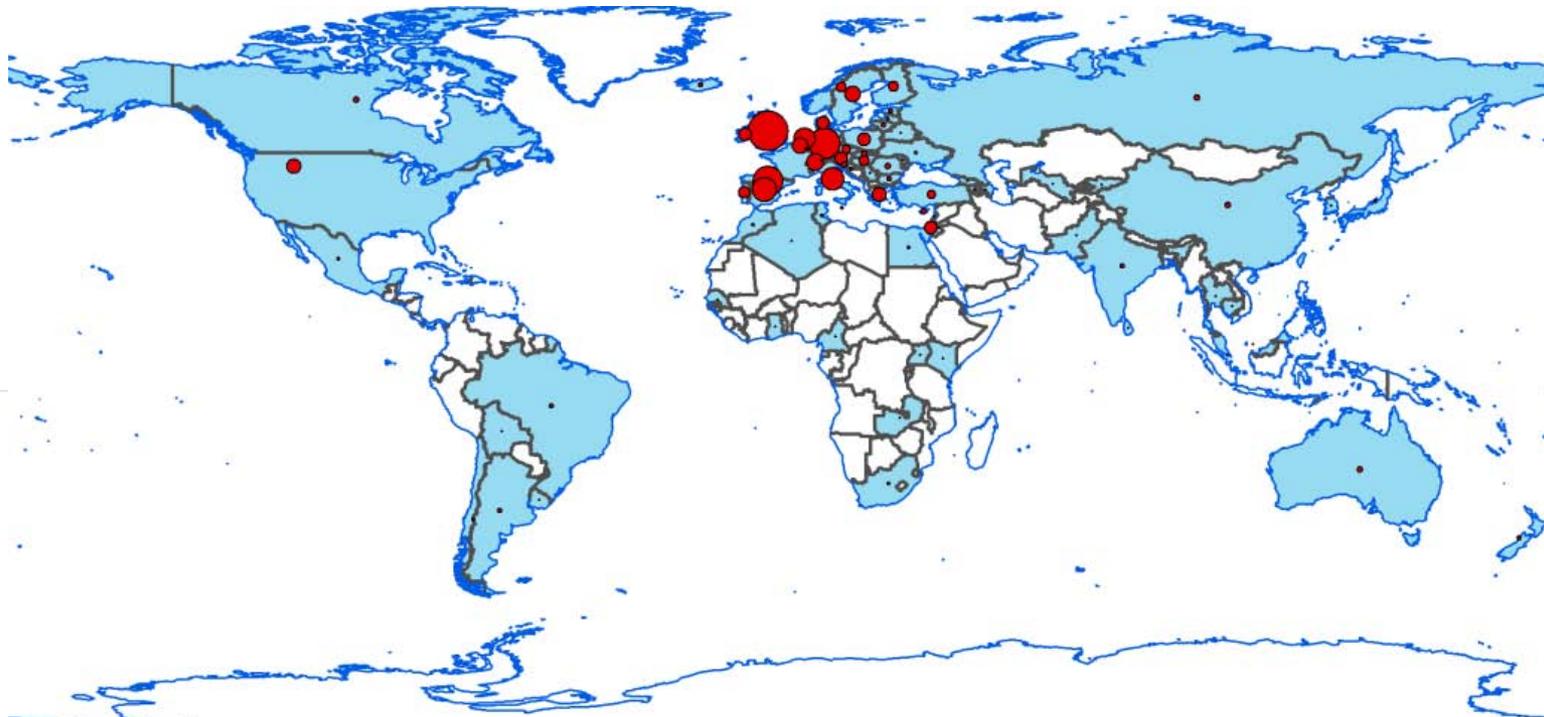
Marie Curie researchers coming from all over the world (around 130 nationalities)



MCA in FP7



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12 MAIN DESTINATIONS

Marie Curie host organisations in
80 countries

Applicants



Who can apply to what?

Applicants

Profile of recruited researchers

Senior Post-docs (MER*)

> 10 years

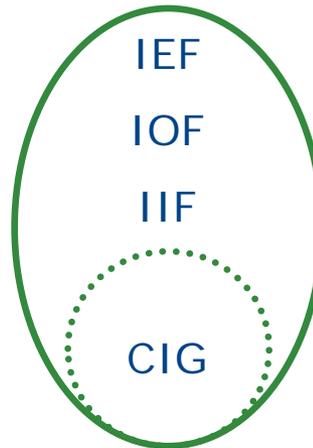
Post-docs (ER*)

> 4 years or PhD

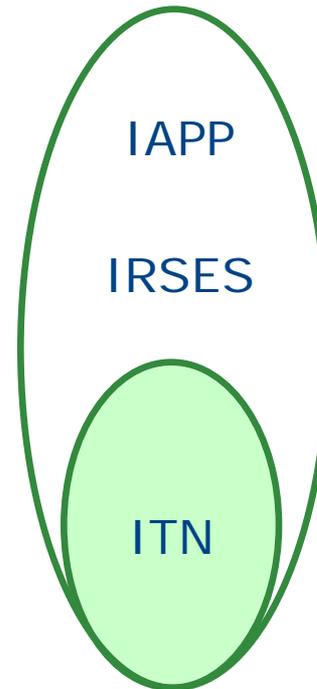
Post-graduates (ESR*)

< 4 years + no PhD

Individual researchers



Research Organisations



Research funding bodies





European
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High Quality
Training

Inter-sectoral

Equip young researchers
with innovative skills
(scientific and
transversal skills)

Excellence

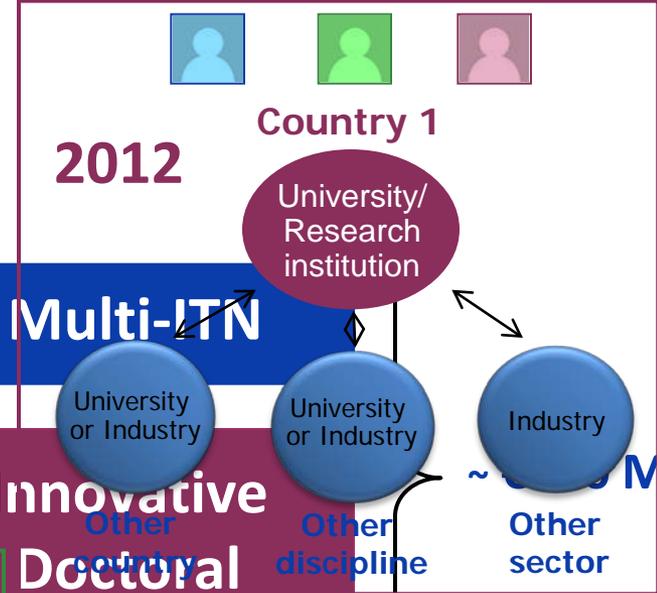
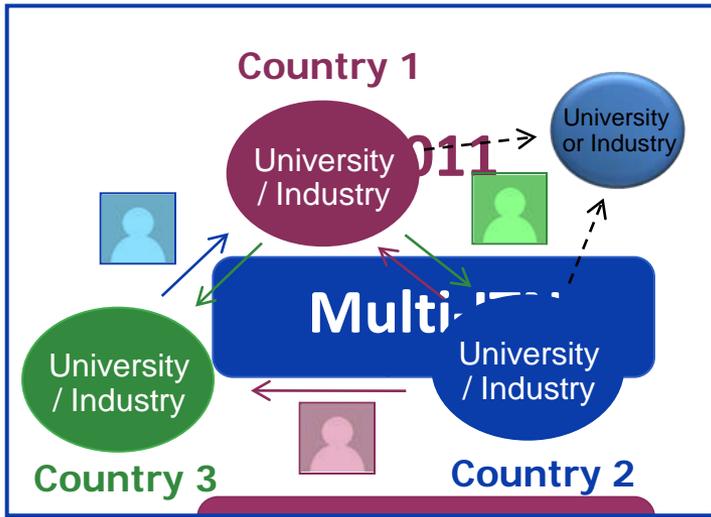
International

Inter-
disciplinary

ITN



European Commission

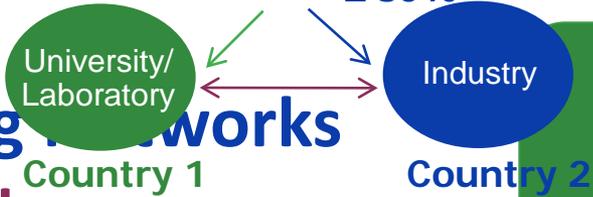


Mono-ITN

Innovative Doctoral Program I.D.P.

Initial Training Networks

ITN



European Industrial Doctorates

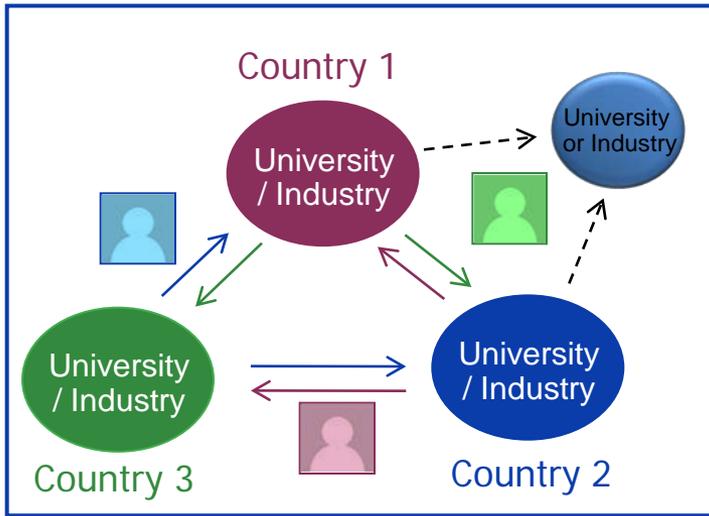
€20 M (Pilot)

E.I.D.

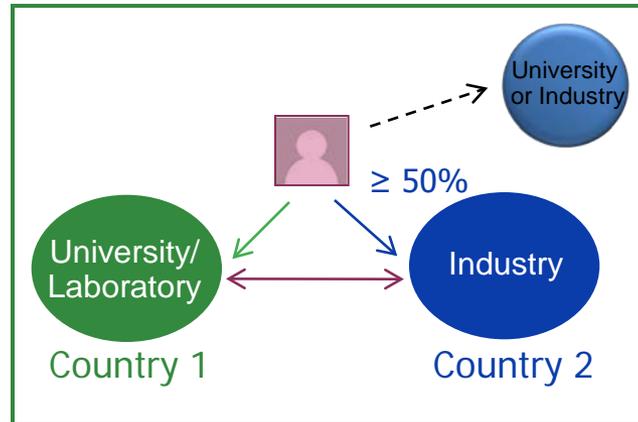
ITN Implementation modes



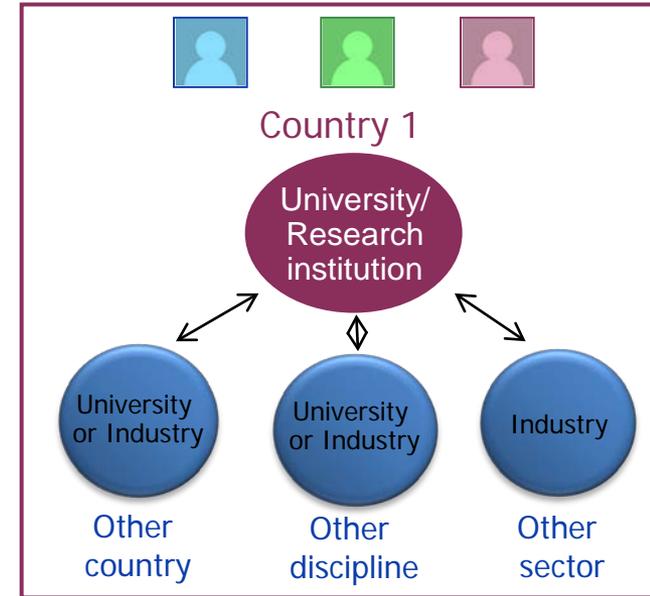
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Multi-ITN



E.I.D.

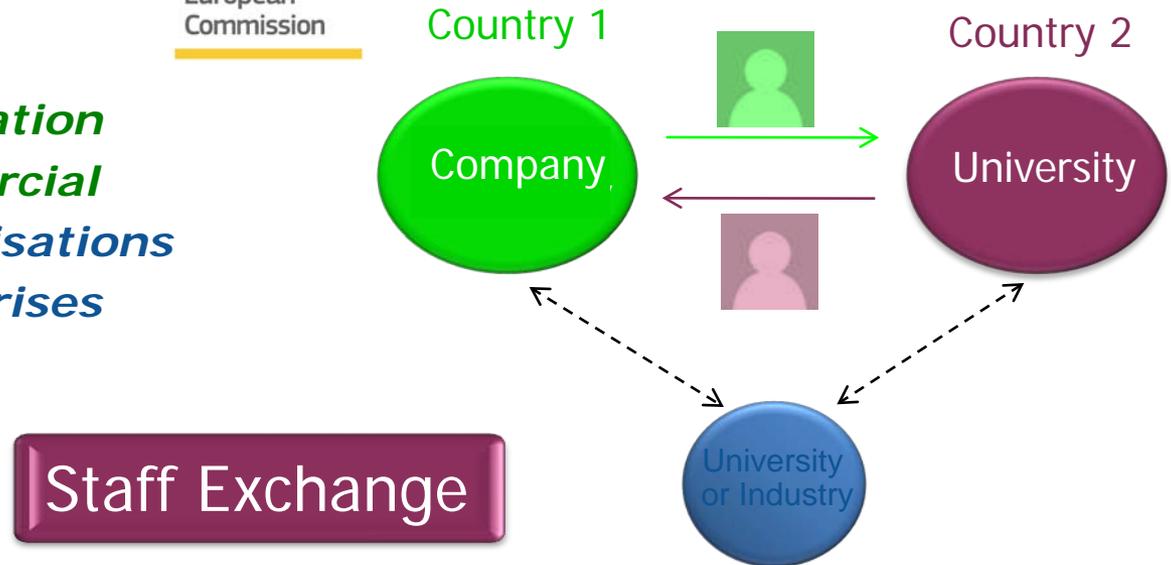


I.D.P.



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*Foster research collaboration
between **non-commercial**
(public) research organisations
& **commercial** enterprises*



- At least **2 participants** (1 from each sector) from different countries
- **Secondment** of **staff** (at least 1 year experience in the institution) to the partner institution (**2-24 months** for **ESR / ER / MER**).
- Possible to have intra-national, inter-sectoral mobility (maximum of 30%)



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Country 1

Country 2



Optional Recruitment

- The participants can recruit **experienced researchers (ER / MER)**
- Recruitments are allowed for a period of **12-24 months**
- Maximum 50% of the total



ITN

IAPP

- Researcher/staff gross **salary** (**per year**, multiplied by the *country coefficient*)
 - ✓ €38,000 for ESR
 - ✓ €58,500 for ER with <10 years experience
 - ✓ €87,500 for MER with >10 years experience
- €700/€1000 of **mobility allowance** per researcher / month (*x country coefficient*)
- €1200/€1800 for **training/research costs** per researcher / month
- Additional funds for project **management** (10%) and **overheads** (10% direct costs)
- **SMEs**: maximum of 10% for small equipment expenses (*IAPP only*)

Individual Grants



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IEF



University
or Industry

EU+AC

IOF



University
or Industry

Third Country

Mandatory
Return

University
or Industry

EU+AC

IIF



University
or Industry

EU+AC

Possible
Return

University
or Industry

ICPC

CIG



long
term

University
or Industry

EU+AC

Education
and Culture

Individual Grants



IEF

- **12-24 months** for **ER / MER**

IOF

- **12-24 months** for **ER / MER**
- **12 months** for mandatory return phase

IIF

- **12-24 months** for **ER / MER**
- **12 months** for ICPC return phase

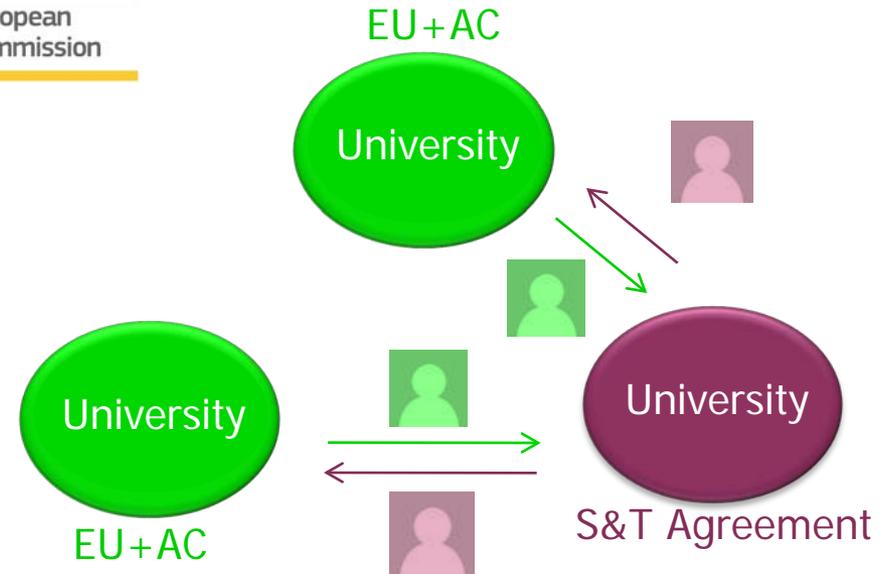
CIG

- **12-48 months** for **ER / MER**



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To establish or deepen *partnerships* between Europe and countries covered by the European Neighbourhood policy and countries with S&T Agreements



- At least 2 research organisations from different EU/AC countries + 1 research organisation from countries with an S&T agreement
- Short-term secondments of staff
- Up to 12 months per staff (ESR / ER / MER)

Funds



IEF

IIF

IOF

- Researcher/staff gross **salary** (**per year**, multiplied by the *country coefficient*)
 - ✓ €58,500 for ER with <10 years experience
 - ✓ €87,500 for MER with >10 years experience
- €700/€1000 of **mobility allowance** per researcher / month (*x country coefficient*)
- €800 for **training/research costs** per researcher / month
- €700 for **overheads** per researcher / month
- €15,000 per researcher / year for IIF return phase



CIG

- €25,000 per researcher per **year**

IRSES

- Flat-rate of €1900 per exchanged staff member / **month**
- Long distance allowance of €200 per exchanged staff member / month (eligible countries)



Co-funding of Regional, National and International Programmes

- Programmes must fund **ER / MER** (PhD or > 4 years)
- Researchers must show **transnational mobility** (outgoing, incoming or re-integration)
- **Beneficiary** must be established in **EU/AC**
- Supported **researchers** may be **of any nationality**
- EU contribution: **40%** of fellowship costs



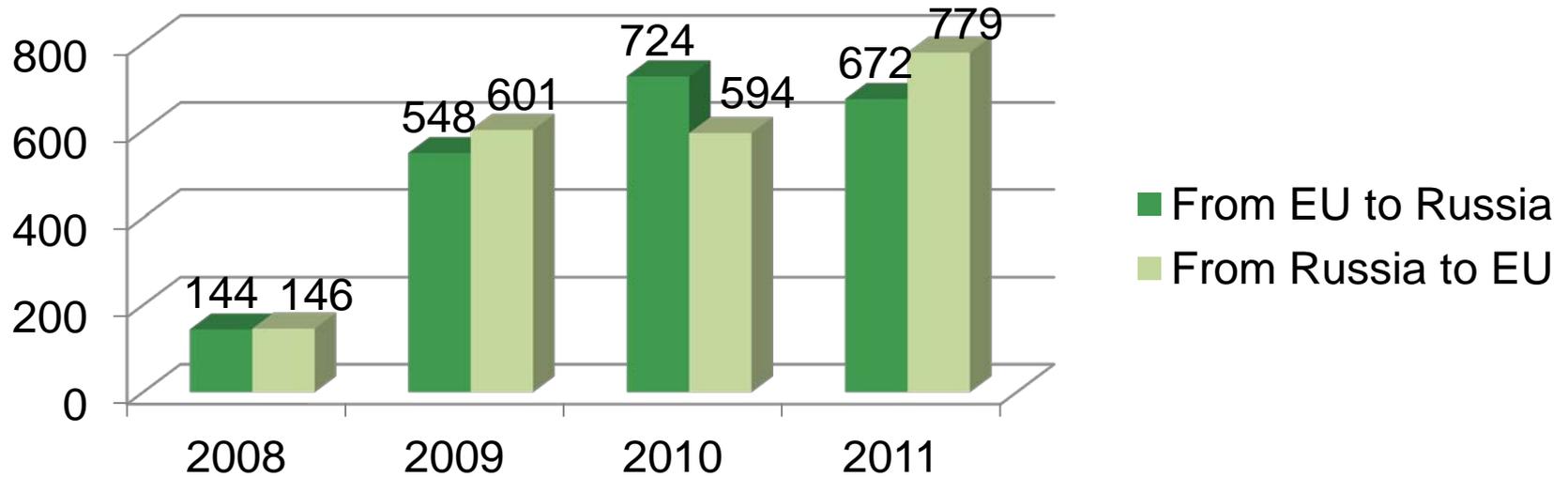
Russia's participation in FP7 MCA

- **€ 6.8 million** EU budget allocated to Russian institutes (2007-2012)
- **Russian institutions** participating in **104** Marie Curie projects, including 84 IRSES projects (2007-2012)
- **250 Russian researchers** funded in Marie Curie Actions other than IRSES and IIF (return phase)



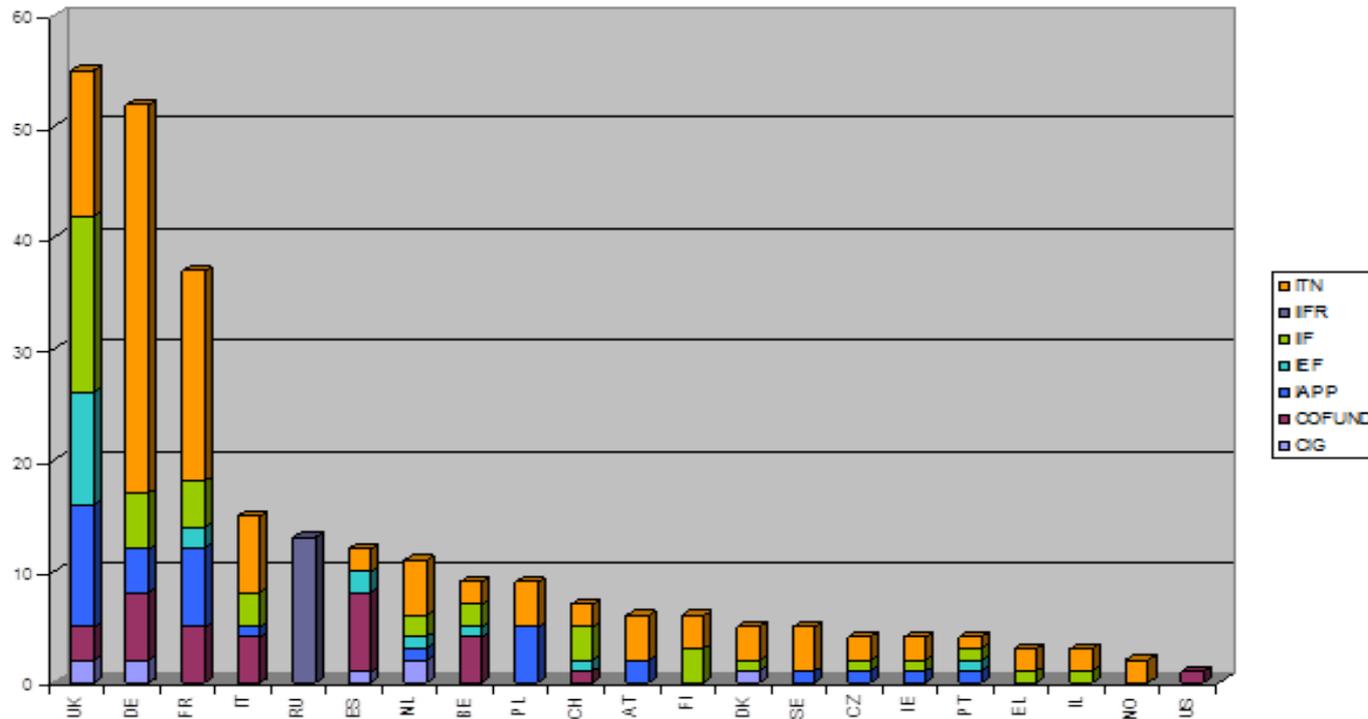
Balanced exchange of research staff between the EU and Russia under IRSES scheme

Researcher-months of mobility under IRSES scheme (2008-2011)





Russian fellows benefitting from a Marie Curie grant (grouped by the country of destination):



Examples of projects (1)



Initial Training Networks:

UEPHA-MS project aims to promote and improve training opportunities in the novel areas of pharmacogenomics, biomarker research and systems biology applied to multiple sclerosis

- *Project Title: United Europeans for the Development of Pharmacogenomics in Multiple Sclerosis*
- *Start date: 15/09/2008 – End date: 14/09/2012*
- *Total budget: € 2 359 000*
- *Coordinator: Universidad del Pais Vasco (Spain)*
- *Consortium partners from DE, ES, FR, NL, RU*
- *Russian partner: Scientific Center of Russian Federation: Research Institute for Genetics and Selection of Industrial Microorganisms*
- *Russian participant contribution: € 223 117*

Examples of projects (2)



Industry-Academia Partnerships and Pathways (IAPP):

***MEDI-LASE project** aims to overcome scientific and technical challenges to the realisation and adoption of a unique multifunctional non-invasive laser diagnostic system*

- *Project Title: Multifunctional Medical Diagnostic Laser System*
- *Start date: 01/05/2010 – End date: 30/04/2014*
- *Total budget: € 1 630 569*
- *Coordinator: University of Dundee (UK)*
- *Consortium partners from DE, UK, RU*
- *Russian participant: Scientific Productive Enterprise LAZMA Ltd.*
- *Russian participant contribution: € 450 956*

Examples of projects (3)



International Research Staff Exchange Scheme (IRSES):

***BioSol** aims to understand the molecular mechanisms of structural changes of biomolecules and thermodynamics of biomolecular solvation*

- *Project Title: Solvent effects on physico-chemical properties of bioactive compounds: combination of theory with experiments*
- *Start date: 01/01/2011 – End date: 31/12/2013*
- *Total budget: € 302 400*
- *Coordinator: MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V. (DE)*
- *Consortium partners from FR, DK, RU*
- *Russian participant: Institute of Solution Chemistry*
- *Russian participant contribution: € 174 600*

2012 Call deadlines



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Call identifier	Deadline in 2012	Budget
FP7-PEOPLE-2012-IEF	16 August	120 M€
FP7-PEOPLE-2012-IOF	16 August	40 M€
FP7-PEOPLE-2012-IIF	16 August	40 M€
FP7-PEOPLE-2012-CIG	18 September	20 M€

2013 Work Programme to be adopted on 9 July 2012



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THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

The word 'HORIZON 2020' is written in large, white, sans-serif capital letters. The letter 'O' is replaced by a realistic, glowing globe of the Earth. The background is a dark blue gradient with light rays emanating from behind the globe, creating a sense of depth and focus.

Education
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Horizon 2020

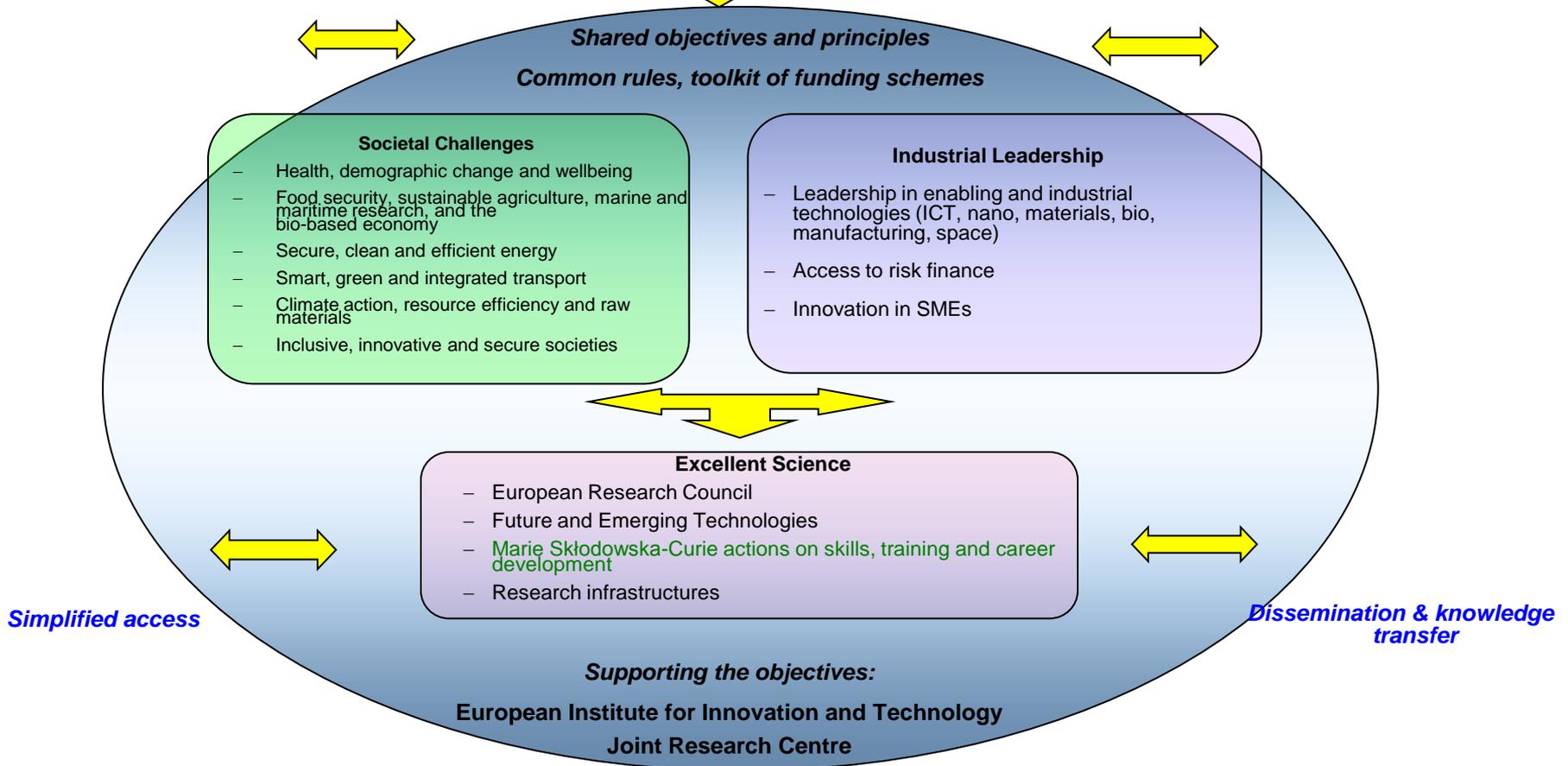


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Europe 2020 priorities

International cooperation

European Research Area





Proposed Budget (2014-2020): € 5.75 billion

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

MSC Actions



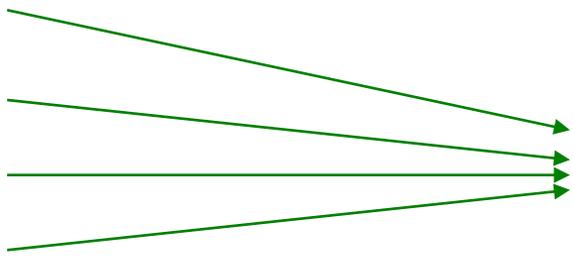
ITN
(including EID and IDP)



Action 1
Early-stage
Researchers

Doctoral and initial training of researchers proposed by international networks of organisations from public and private sectors

IEF
IOF
IIF
CIG



Action 2
Experienced
Researchers

Individual fellowships for most promising experienced researchers to develop their skills through international or inter-sector mobility

IAPP
IRSES



Action 3
Exchange
of Staff

International and inter-sector cooperation through the exchange of research and innovation staff

COFUND



Action 4
COFUND

Co-funding of regional, national and international programmes covering actions 1, 2 and 3

Useful links



Participant portal (calls, submission)

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

Marie Curie Actions

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

Advise (RU NCP): <http://fp7.hse.ru/>

Jobs supported - Euraxess:

<http://ec.europa.eu/euraxess/index.cfm/jobs/jvSearchData/mc/add/1>

Registration of experts - evaluators:

<https://cordis.europa.eu/emmfp7/index.cfm>



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