



Marie Curie Actions

Mobility, Skills and Excellence for researchers

The E*CARE Final Conference
15-16 June, Plovdiv - Bulgaria

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DG Education and Culture
European Commission





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MCA - Objectives

- Support EU 2020 & ERA by developing an European **human resources in R&D**: numerous, well-trained, motivated researchers
- Stimulate people to **enter** researcher profession
- **Attract (incl. return)** researchers from around the world
- Best practice **working and employment conditions**, in line with the European Researchers Charter
- Support the **knowledge triangle**: expose new generations of researchers to both public and private, and equip them with appropriate transferable skills



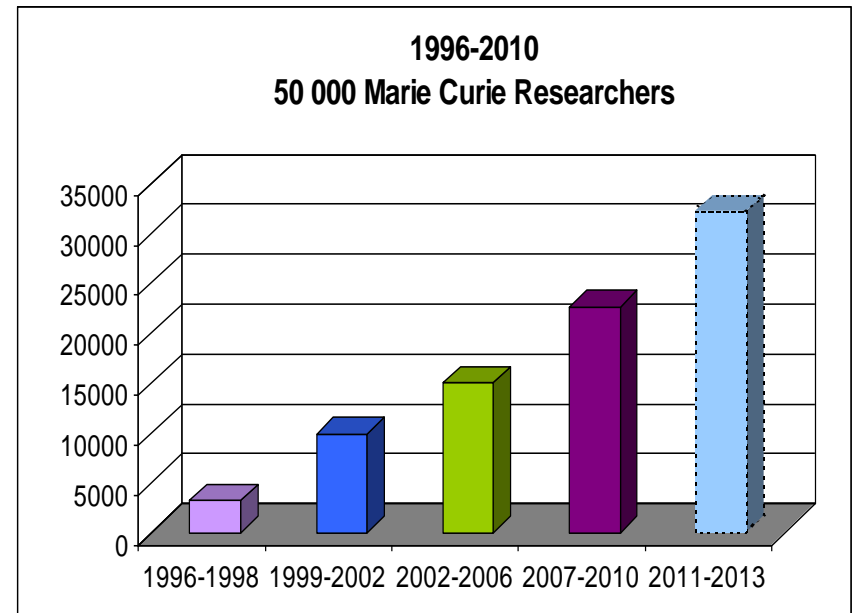


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MCA - Researchers on the move

- Most important European programme for researchers' training, mobility and career development
- since 1996, 50.000 mobile researchers of over 120 nationalities
- Nearly 5500 institutions from about 70 countries
- Nearly 40% women
- Implemented through People Programme (FP7 2007-2013)

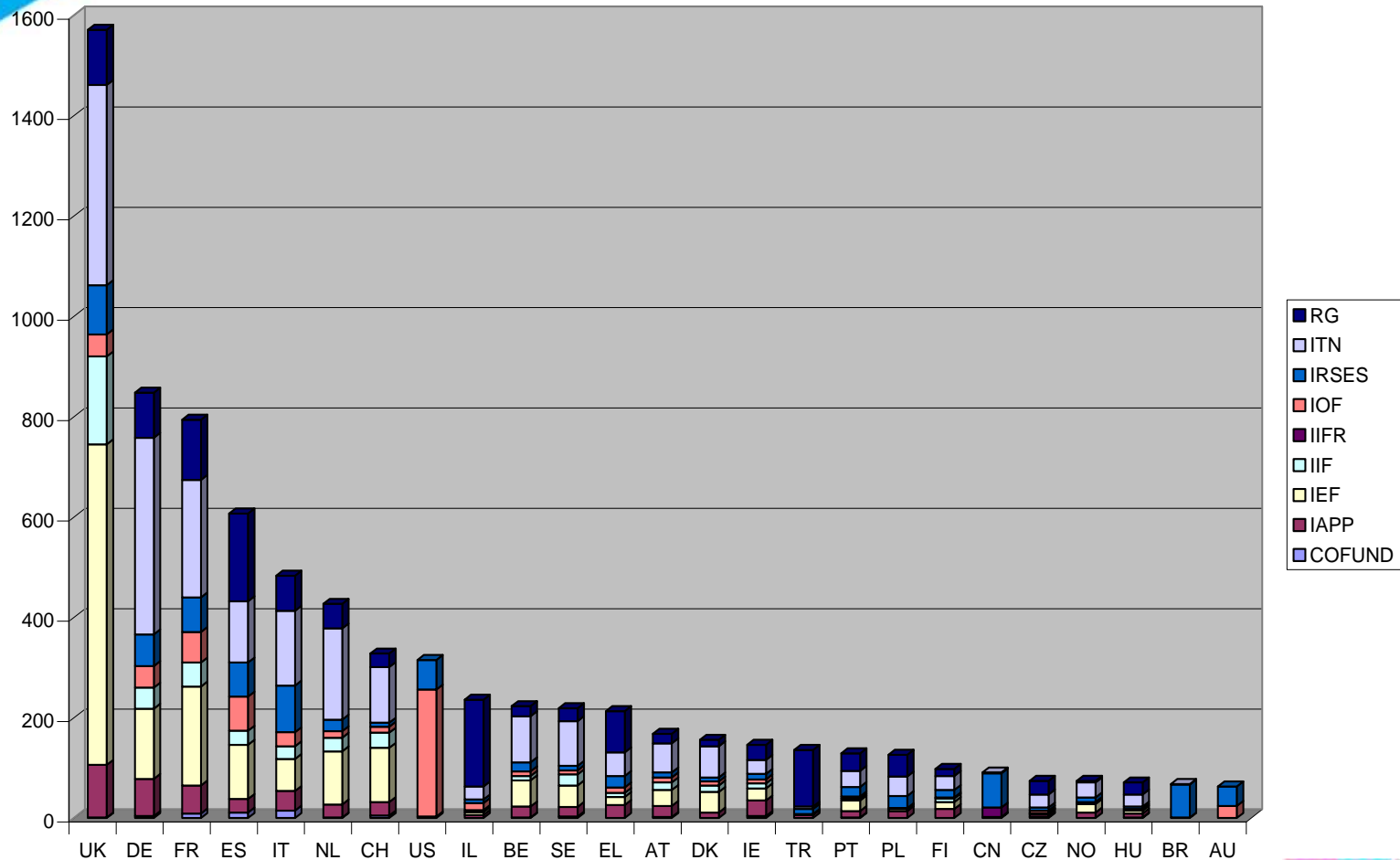




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MCA - Researchers on the move



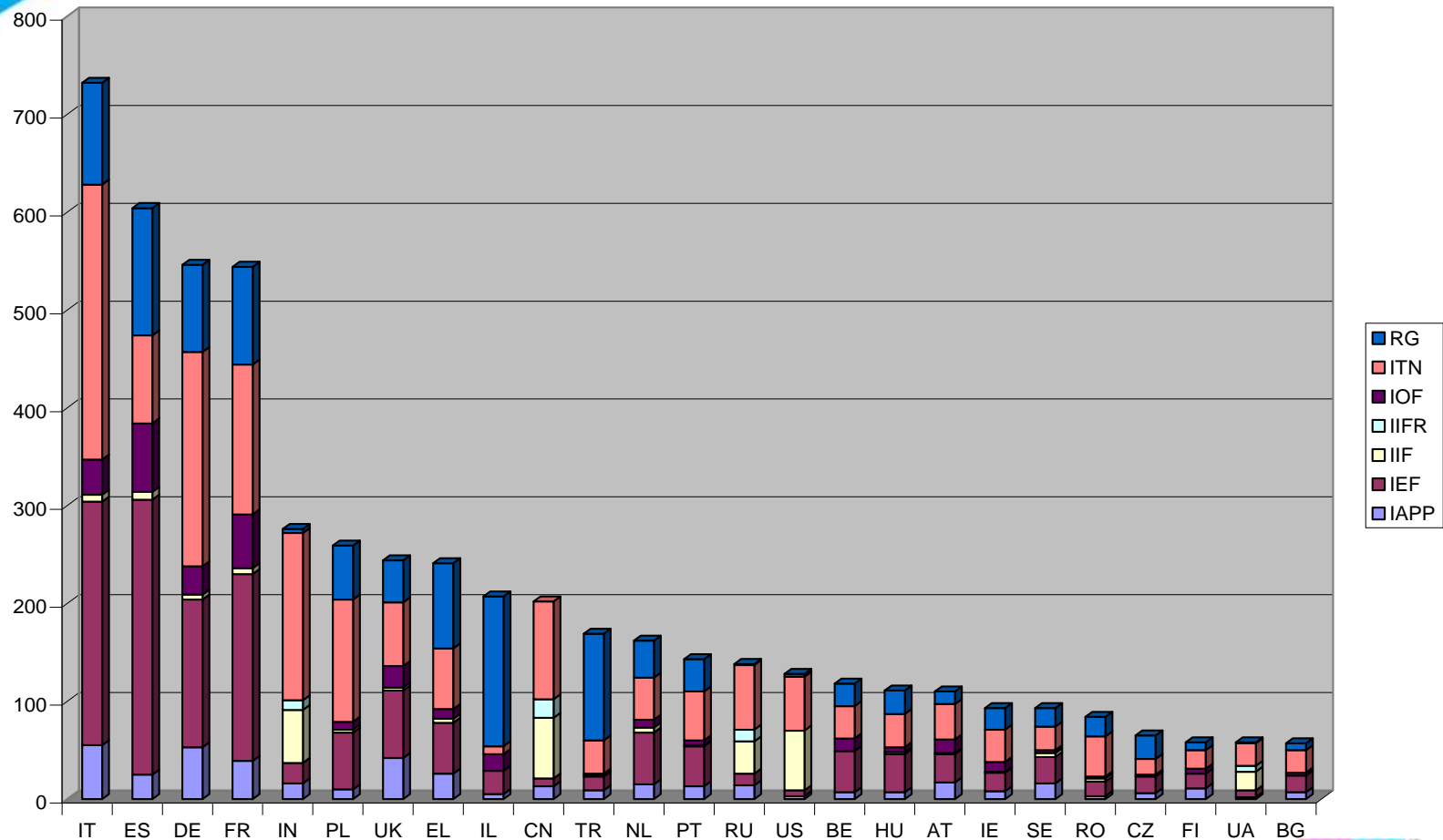
First 25 host organisation locations in FP7 MCA



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MCA - Researchers on the move



First 25 nationalities of supported researchers in FP7 MCA





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MCA – Promoting passionate researcher

A unique scheme offering a wide variety of career opportunities

- Addressed to researchers at **all stages of their careers**
- Open to **all domains** of research (bottom-up)
- **Mobility** (international, intersectoral, interdisciplinary)
- Application through **competitive calls** for proposals
- Selection criteria:
S&T quality, Training/ToK, Implementation, Impact
- **Budget** covers generally:
salary, mobility and research budget for the researcher



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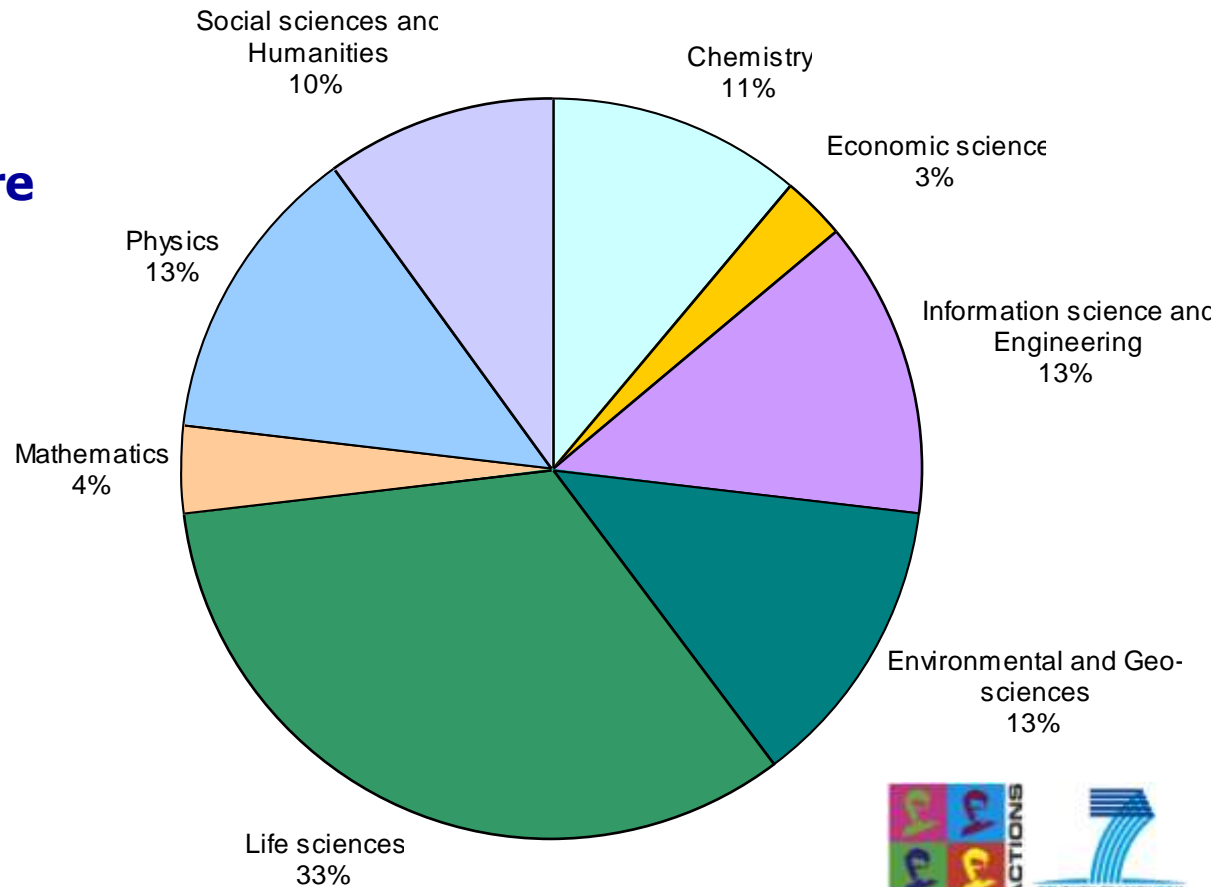
Community research

MCA – Freedom of research

From 2007-until now:

- **EU contribution of more €1700 million**
- **About 4500 research projects funded**
- **Research topics freely chosen by applicants**

Project distribution per scientific panel



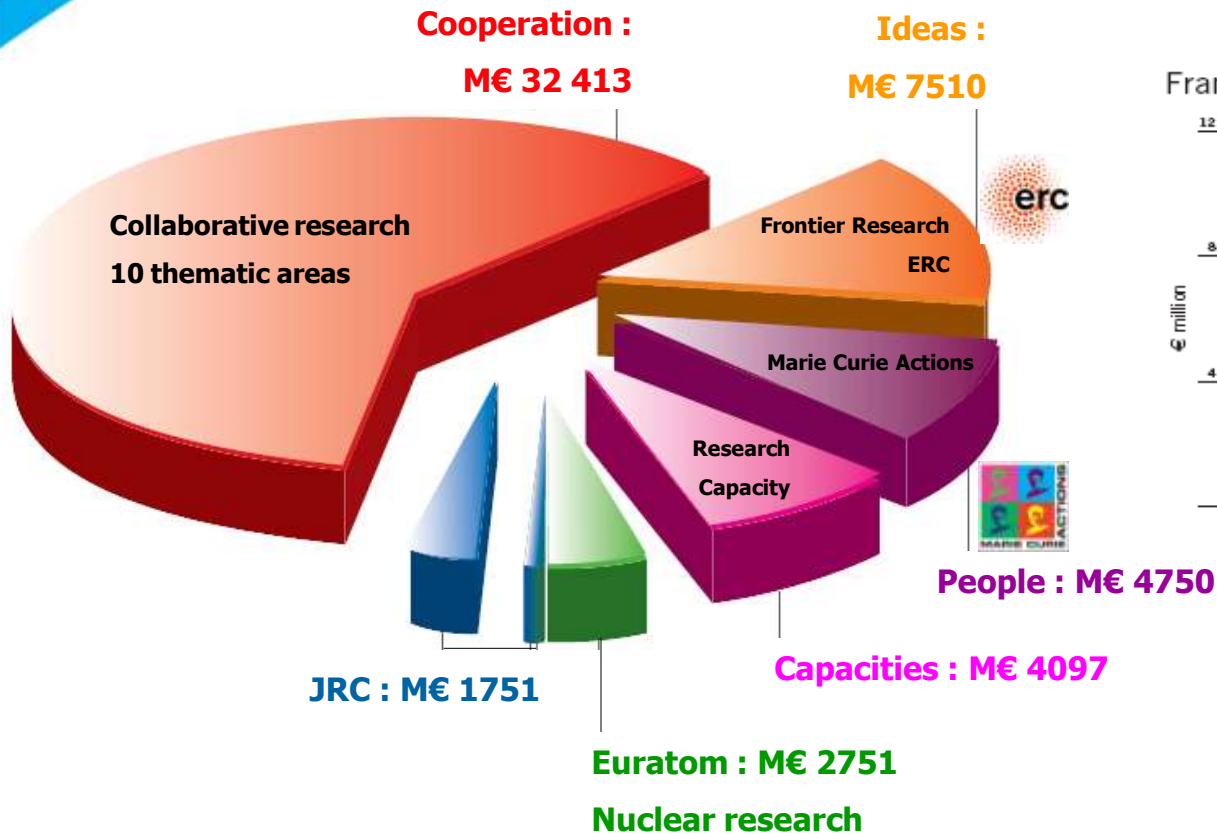


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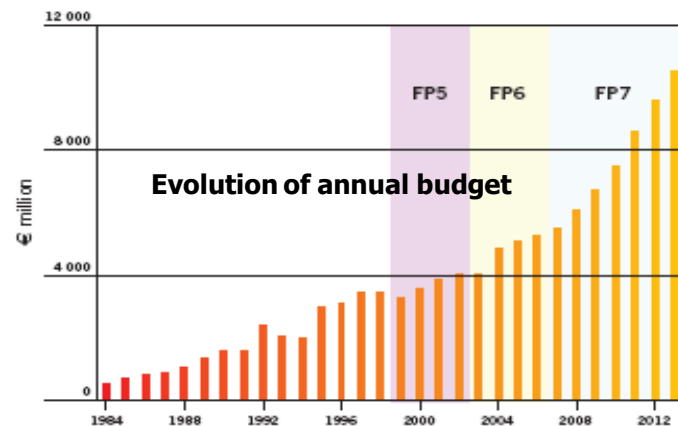
Where the money comes from?

FP7 breakdown 2007-2013 (€ million)



Total EC budget : M€ 50 521

Framework programme budget (1984-2013)





MCA – who is funded?

1. Post-graduates
(Early Stage Researchers ESRs)

1. Directly **after the studies**
AND less than 4 years of research
experience

2. Post-docs
(Experienced Researchers ERs)

2. Directly **after the PhD** OR having more
than 4 years of research experience

3. Senior Post-docs
(More Experienced Researchers MERs)

3. Having more than 10 years of research
experience

4. Public & Private bodies

4. Universities, research organisation,
Companies, SME, funding bodies ...



MCA – what do they offer?

A unique scheme offering a wide variety of actions

For ESRs*:
**Improve career perspectives of
early stage researchers in both
public & private sector**
*(European Industrial Doctorates
Innovative Doctoral Programmes)*

For ERs* (and MERs*)
**Career development of experienced
researchers**
**Reinforce international dimension of
the ERA through knowledge transfer
and cooperation**
*(International Training Fellowships (ITF)
International Incoming Fellowships (IIF)*

**Foster research collaboration between
public research organisations and private
commercial enterprises**
**Reinforce international dimension of the
ERA through staff exchange**

**Co-funding of regional, national,
international mobility programmes
(COFUND) for the career development of
experienced researchers**

***ESRs: Early Stage Researchers:** Directly after the studies AND less than 4 years of research experience

***ERs: Experienced Researchers:** Directly after the PhD OR having more than 4 years of research experience

***MERs: More Experienced Researchers:** Having more than 10 years of research experience



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Initial Training for Researchers (ITR)

€1.9 billion in FP7

***Aim to improve career perspectives of early stage researchers
in both public & private sector***

- **Multi-partner ITNs** - international and interdisciplinary networks of organisations presenting a joint research training programme with strong outreach activities
- From 2012 WP – pilot project on **European Industrial Doctorates**
- Mono-partner ITNs - **Innovative Doctoral Programmes**

Eligible researchers : Nationals from any country

- Mainly postgraduate researchers (min. 80% ESRs):
for the period of min. 3 and max. 36 months of training
- Experienced researchers (max. 20% ERs):
for the period of min 3 and max 24 months of training

⇒ **About 10 000 researchers to be funded**





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Industry–Academia Partnerships and Pathways (IAPP) ~ €350 Million in FP7

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

- Based on common research project
- Intersectoral **mobility & skills exchange**
- **Staff secondments** & recruitments of experienced researchers (ERs)

EU contribution

- Salaries of seconded and recruited researchers
- Funding for research costs, networking and outreach activities
- Specific small equipment for SMEs: <10% total contribution

About 6 000 researchers to be funded





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Life-long Training and Career Development

€1.6 billion in FP7

Intra-European Fellowships for career development (IEF)

- Nationals of any country, active in Europe
- Mobility in Europe: from a MS or AS to another MS or AS
- Personal Career Development Plan
- Up to 2 years of funding

➤ **New Career Restart panel**

Career Integration Grants (CIG)

- Financial contribution of 25 000 €/year during 2-4 years
- Host institution in Europe (MS/AC), including country of origin
- Research costs, including salary of researchers or assistants

Co-funding of Regional, National and International Programmes (COFUND)

Participant rules: Organisations funding and managing a fellowship programme in Europe

- Official public bodies (ministries, academies, councils, agencies, ...)
- Other public/private bodies (large research organisations, charities, ...)
- Bodies at international level, running such schemes at European level

Eligible researchers:

- Experienced researchers
- Three types of trans-national mobility:
 - Outgoing: to another MS/AC/TC*
 - Incoming: from another MS/AC/TC*
 - Re-integration: from TC to home MS/AC (after a research stay of at least 3 years)

EU contribution:

- 40% of the fellowship costs for eligible researchers (max. 10 M€ per participant)



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MCA - International Dimension

International Outgoing Fellowships for career development (IOF)

- Initial outgoing phase outside Europe for up to 2 years
- 1 year compulsory re-integration phase in a Member State or Associated Country
- For experienced researchers only
- Personal Career Development Plan

International Incoming Fellowships (IIF)

- Mobility from Third Countries to Europe funded up to 2 years
- Return grant of one year possible for ICPC countries of €15,000



MCA - International Dimension

International Research Staff Exchange Scheme (IRSES)

Participant rules :

- Min. 2 research organisations in two different MS/AC and one or more organisations in TC covered by IRSES (i.e. ENP countries + S&T agreements countries)
- Joint multi-annual programmes of 24-48 months

Eligible researchers :

- Research staff mainly, but also technical and management staff
- Min. 1 month - max. 12 months/researcher
- Staff are seconded (not recruited)

EU contribution :

- **Balanced exchange of EU/International researchers**
- Subsistence/travel allowance for outgoing European researchers € 1900/month per researcher
- Case by case: subsistence/travel allowance incoming ICPC/ENP



MCA - Excellence in training

- **Excellent training environment:**

- Top research groups
- Interdisciplinary
- Inter-sectorial (public-private)
- International

- **Supervision and follow-up:**

- Dedicated supervisor
- Careers development plan and monitoring

- **Transferable skills:**

- Entrepreneurship and business skills
- Intellectual property and patenting rights
- Project management
- And others...

- **Enhanced through:**

- Courses/Workshops/Conferences
- Secondments
- Networking and Outreach



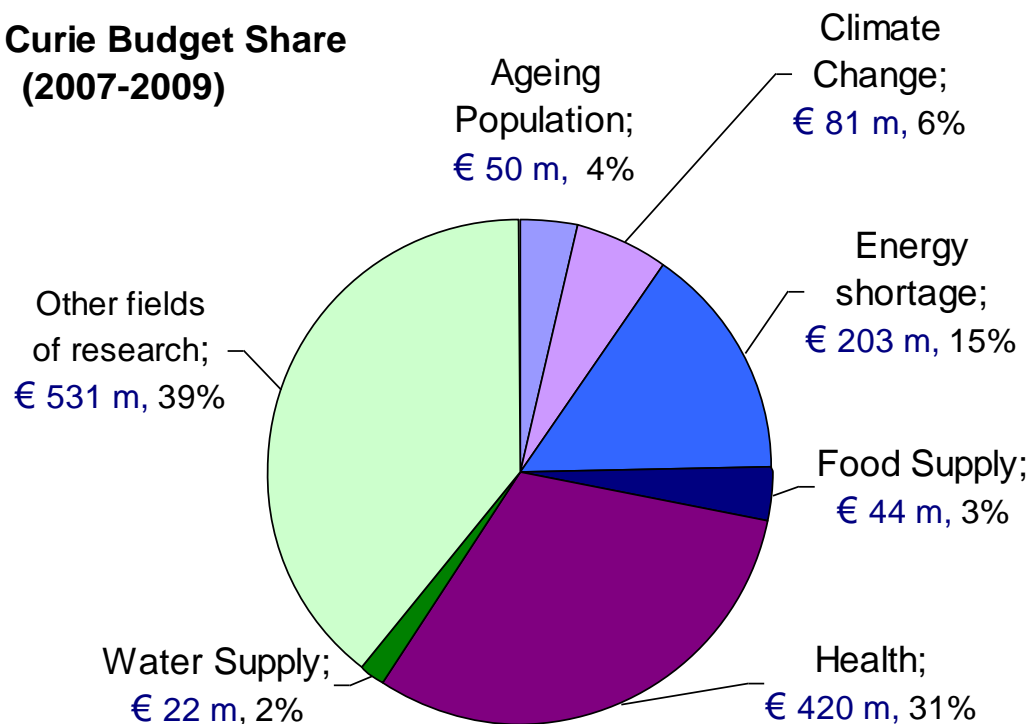


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MCA – Supporting researchers in key areas for the future

**Marie Curie Budget Share
(2007-2009)**

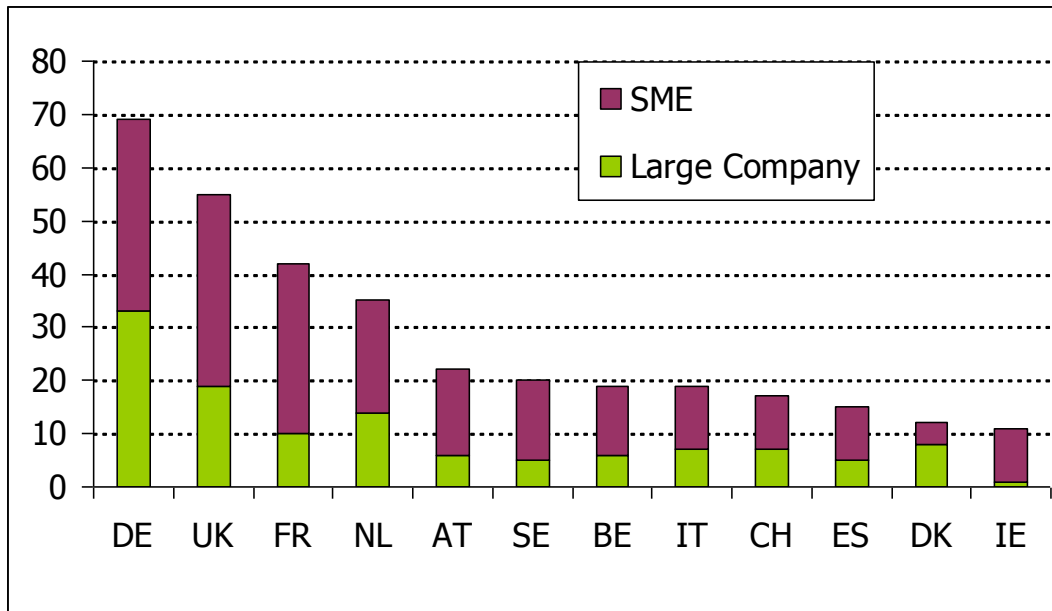


- 2007-2009:
1550 training
research projects
addressing
directly
major societal
challenges



MCA – Strengthening innovation

- Focus on university, research organisation and business cooperation
 - 2007-2013: Businesses involved in the training of **10.000 PhDs**



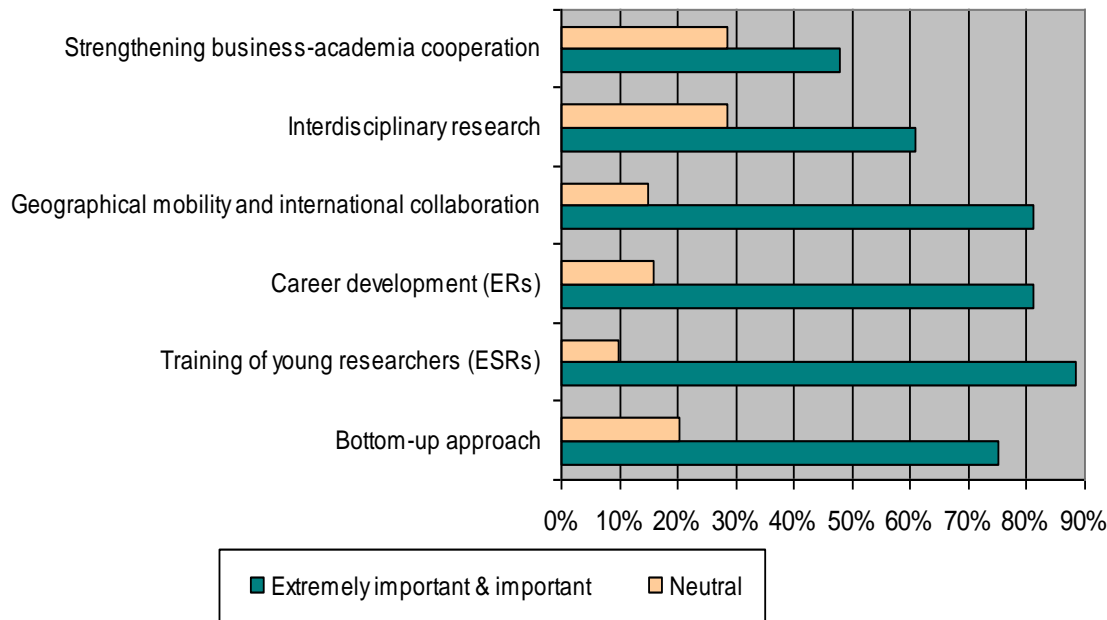
- Mobility of **~6000** researchers between industry and academia through **staff exchange**
- Small and Medium enterprises to benefit from about € 300 million

2007-2009: top 12 country distribution of participating enterprises



MCA in the future

Future of the programme - important aspects



Source: MCA survey, FP7, March 2011

- Streamlining MCA actions, further simplification of rules
- Support a European Industrial Doctorate scheme
- Support European Innovative Doctoral Programmes
- Extend the co-financing principle to early stage researchers



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MCA – Promoting passionate researchers

More about the Marie Curie Actions

- Cordis FP7 website (FP7 calls):
<http://cordis.europa.eu/fp7/>

NEW Participant Portal

http://ec.europa.eu/research/participants/portals/page/fp7_calls

- Marie Curie website:
<http://ec.europa.eu/mariecurieactions/>

- The European Researcher's Mobility Portal:
<http://ec.europa.eu/euraxess/>

(Marie Curie job vacancies, COFUND-fellowship Programme)





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MCA = People



***THANK YOU
FOR YOUR ATTENTION***

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





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ANNEXES

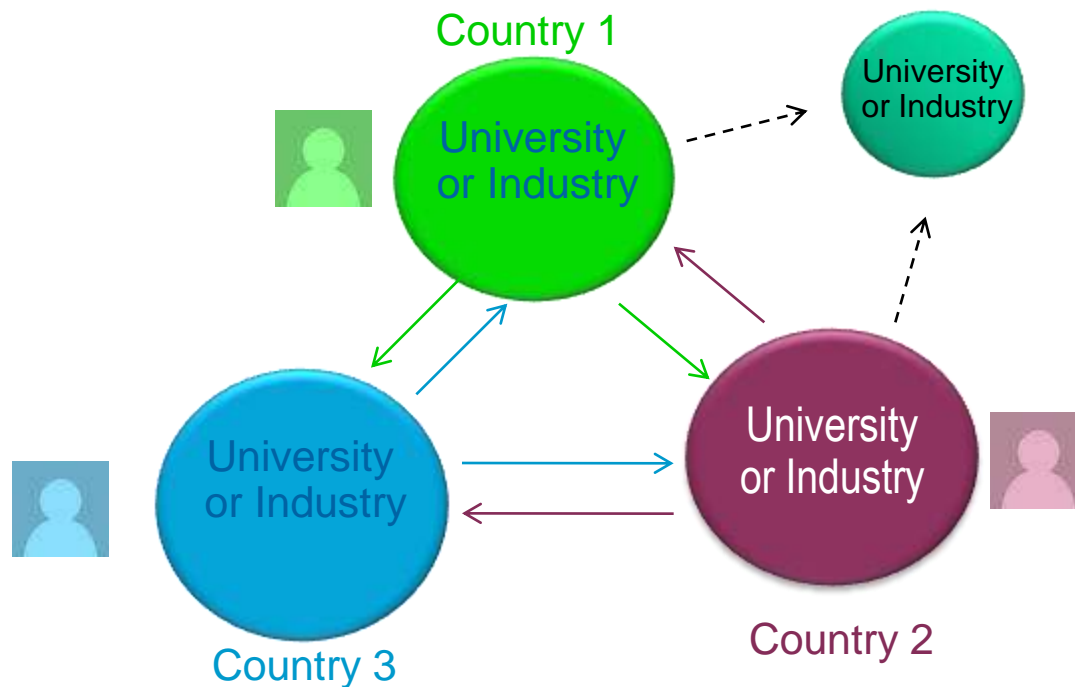


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Initial Training Networks (ITN)

Multi-ITNs



- > 3 participants + possible associated partners
- Short-term secondments
- Network and outreach activities
- Innovative skills for ESRs

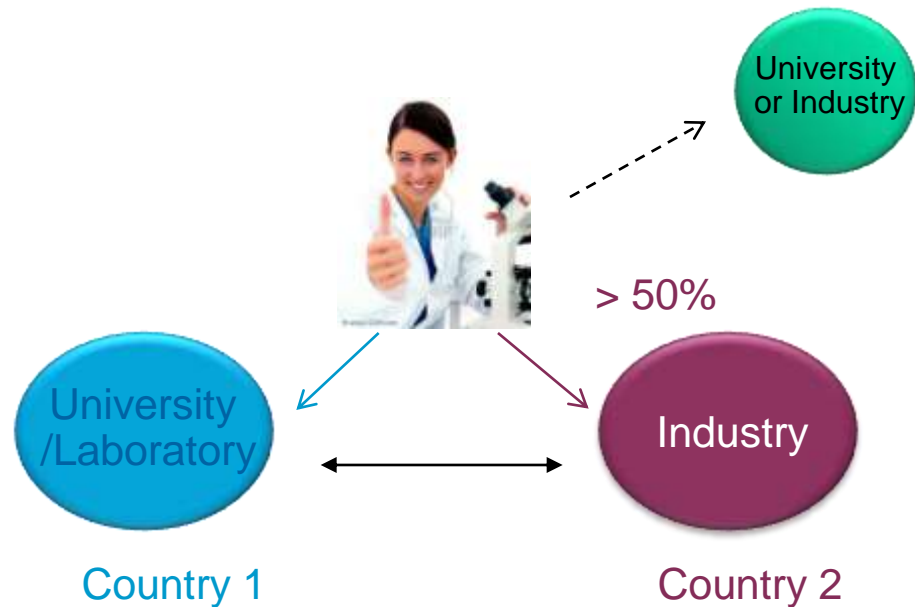


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Initial Training Networks (ITN)

European
Industrial
Doctorates



- 2 participants + possible associated partners
- Business and transferable skills
- Joint supervision of doctoral candidate
- Significant stay in industry

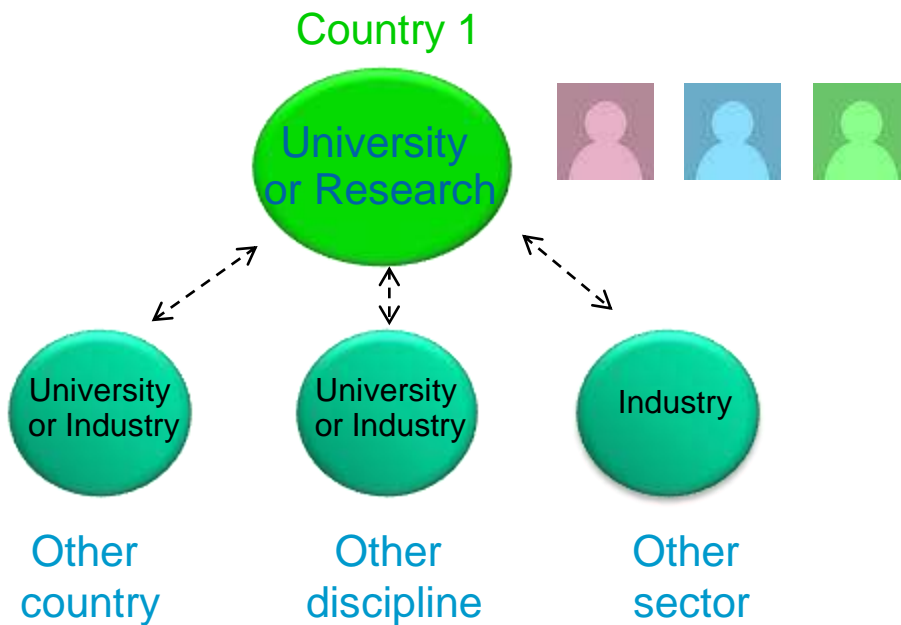


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Initial Training Networks (ITN)

Innovative
Doctoral
Programmes



- 1 participant + possibility of associated partners
- Business and transferable skills for doctoral candidates
- Innovative training models



IAPP – win-win for both sectors

Industry:

- Alternative paths to innovation - **risk research without the risk**
- Actively directing the research towards the need of the company
- Identifying **commercial opportunities** and developing them within the academic environment
- Acquiring **know-how and skilled research staff**
- SMEs in particular: research equipment

Academia:

- Alternative **career opportunities**
- Value new generation of researchers appropriately
- Easier **commercialisation of new ideas**
- **Increased funding potential** through new networks
- Funded researchers