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The 7th Framework Programme for RTD

The Marie Curie Actions – The PEOPLE Programme

Lecce, 17 Novembre 2008



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CNR-INFM - esperto MIUR nel Comitato di Gestione del
programma "People"

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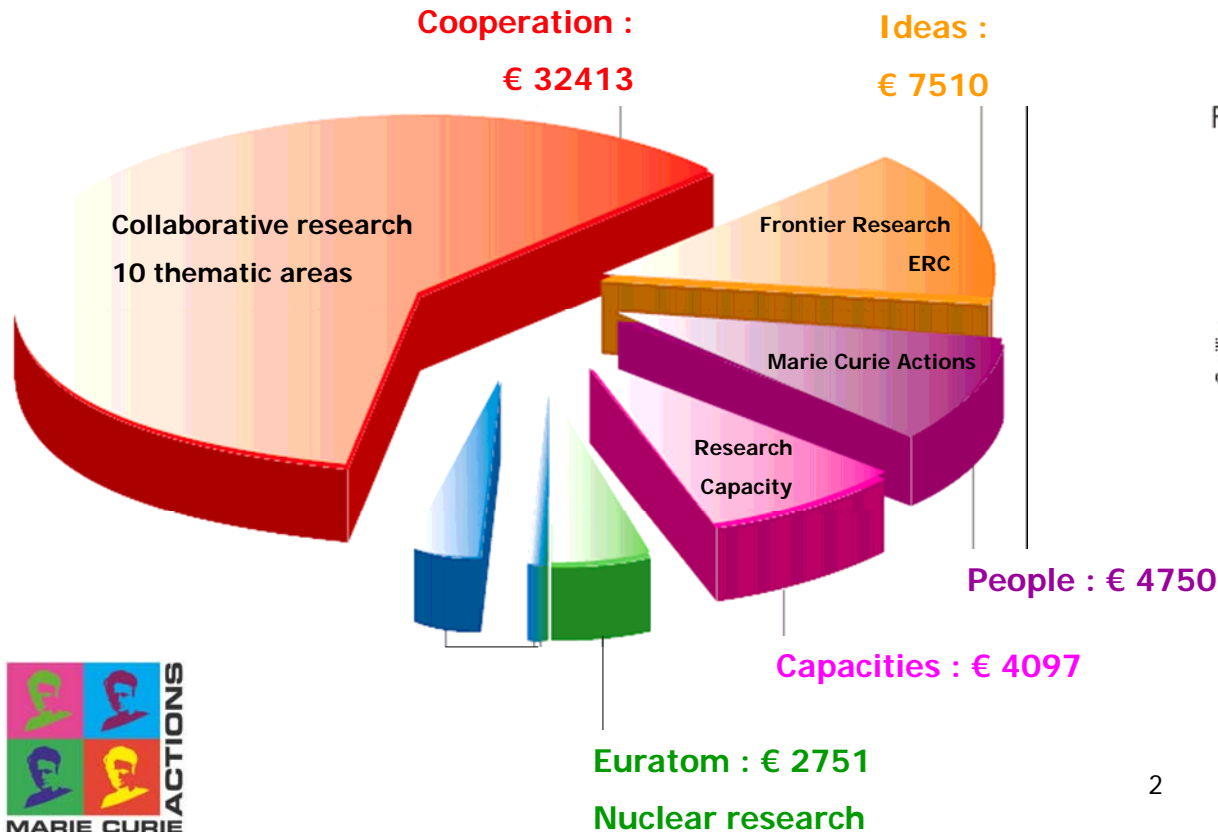
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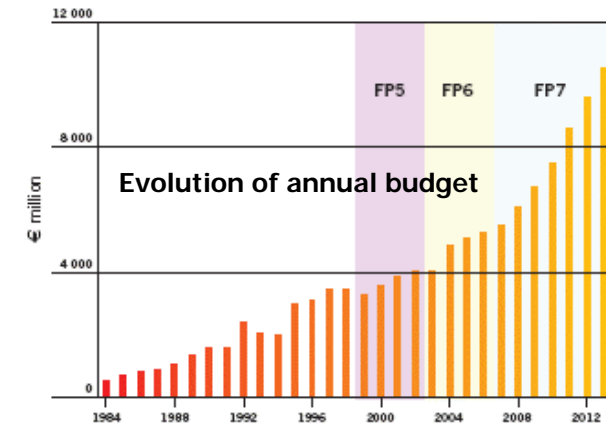
FP7 overview (2007-2013)

EU's main instrument for funding research

Aim : Contribute to the Union becoming the world's leading research area



Framework programme budget (1984-2013)

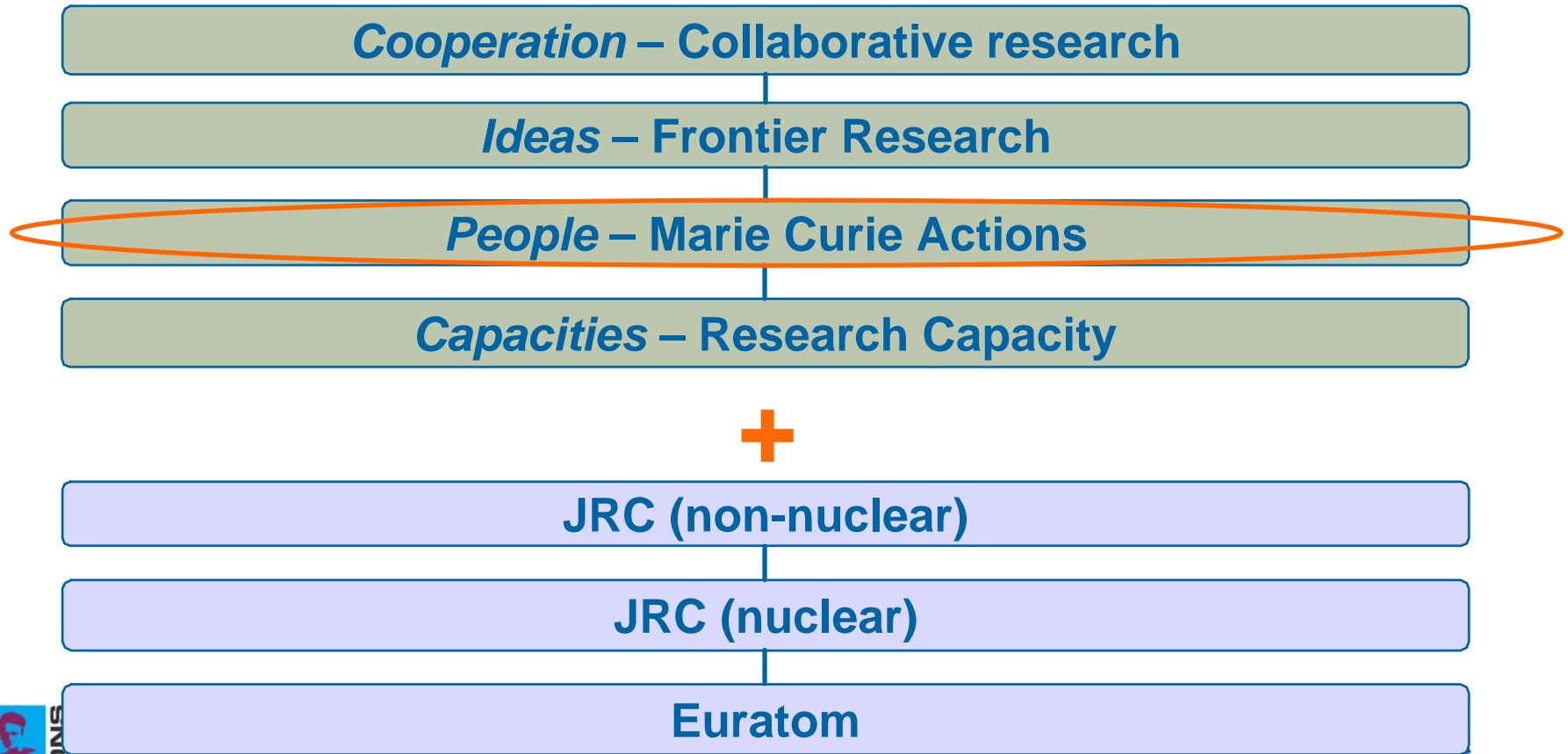




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PEOPLE Programme in FP7





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The Budget for FP7

EC Programme 50 521 million Euro (current prices)

- Cooperation 32 413 million Euro
- Ideas 7 510 million Euro
- **People 4 750 million Euro**
- Capacities 4 097 million Euro
- JRC EC Programme 1 751 million Euro

Euratom Programme 2 751 million Euro (current prices 2007-11)

- Fusion Energy Research 1 947 million Euro
- Nuclear Fission and Radiation Protection 287 million Euro
- JRC Nuclear Research Activities 517 million Euro

→ Annual budget:

≈ 40% increase compared to FP6 on average

75 % real terms increase between 2007 to 2013





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Why

Why is there a People Programme in Europe, and in the FP7 in particular?





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Rationale?

... Research as the basis of progress...

Why

Industry?

Academia?

Where do they go?

US, Japan...?

Who produces the researchers?

Are enough researchers staying in research?

Do we produce enough researchers?



Is research put into use as it should?

Is research attractive enough?

Are the researchers attractive enough?





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What

Overall scope

- Human resource development in R&D in Europe
- Numerous, well-trained, motivated researchers
- Attract students to research careers
- Attract researchers to Europe
- Skills and sustainable career development
- Continuity of previous Framework programme, with focus on structuring impact, while simplifying





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What

- From pure mobility actions to a dedicated programme for structuring training, mobility and career development
- Part of the integrated strategy at European level to make Europe more attractive to the best researchers
- Ultimate goal: an open, competitive and attractive Europe for researchers





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What

In summary three broad objectives:

- Create conditions for researchers to be mobile without obstacles
- Enhance status and attractiveness of a career in Europe
- Finance researchers' training, mobility and career development

... in all R&D domains (*bottom-up approach*) ...





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Marie Curie Actions in FP7

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Initial training of researchers

Initial Training Networks*

2

Life-long training and career development

Intra-European Fellowships / European Reintegration Grants
Co-funding of regional/national/international programmes

3

Industry dimension

Industry-Academia Partnerships and Pathways*

4

International dimension

Outgoing & Incoming* Fellowships; International Research Staff exchange;
International Reintegration grants;

5

Specific actions

Mobility and career enhancement actions; Researchers' nights;



* Open to ¹¹third-country nationals





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The PEOPLE Work Programme

within the Specific Programme legislation:

- annual work programmes adopted by the Programme Committee
- continuation and consolidation of activities
- launch of new activities and re-orientation, when necessary





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Indicative Budget Share

Activities	2007-2013
1. Initial Training of Researchers	around 40 %
2. Life-long Training and Career Development (including Co-funding)	between 25% and 30%
3. Industry-Academia Pathways and Partnerships	5 to 10%
4. International Dimension – World Fellowships	25 to 30%
5. Specific Policy Actions	around 1%





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which researchers ...

early-stage researchers: in first 4 years of research career (*measured from degree*)

experienced researchers: doctoral degree or at least 4 years research experience





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The concept of mobility

- ✓ from 2009, will replace the nationality rule
- ✓ sole eligibility concept will be trans-national mobility:

“researchers must not have resided or carried out their main activity (work , studies, etc) in the country of their host organisation for more than 12 months in the 3 years immediately prior to the reference date”





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Applicants

Individual fellowships

Industry/Research Institutions

Research funding bodies

Profile of recruited researchers

Senior Post-docs

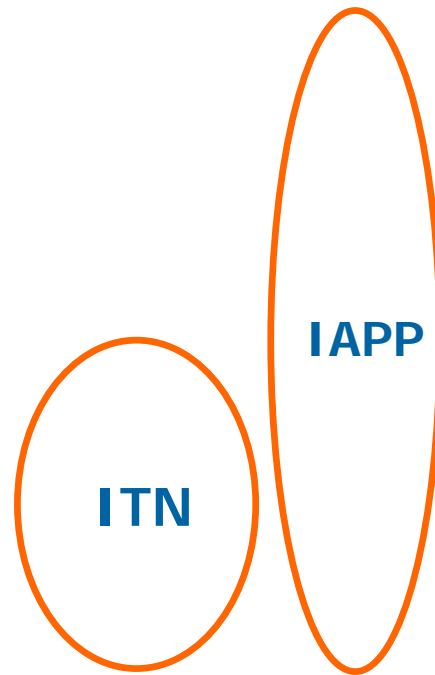
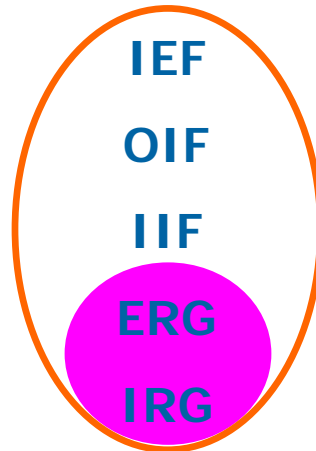
> 10 years

Post-docs

> 4 years

Post-graduates

< 4 years





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OVERVIEW I - Initial Training Networks (ITN)

Aims to improve career perspectives of early stage researchers in both public & private sector :

- Joint research training programme
- For nationals of any country other than the country where the host is located

Structuring the Initial Training of Researchers at EU level :

- International Networks of Participants
- Mutual recognition of Training/Diplomas
- Opening training events to external researchers
- Complementary skills acquisition: entrepreneurship, management, IPR, grant writing, communication





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OVERVIEW II - Initial Training Networks (ITN)

Eligible researchers:

- Residents of any country other than the country where host is located
- Early Stage Researchers
 - Funding for 3-36 months
- Experienced Researchers in the first year of post doctoral research
 - funding: max 24 months
- Visiting scientists (experienced researchers)
 - for short stays
 - To complement the network's capacity to transfer new knowledge + strengthen supervision of the network-wide training activities





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Marie Curie Actions in FP7: ITN

Objectives:

Next call due ~ end 09

- Strengthen and structure Initial Training of Researchers at European level
- Attract students to scientific careers
- Improve career perspectives by broad skills development (including private sector needs)
- Directed at early-stage researchers



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Marie Curie Actions in FP7: ITN

Main features:

- International network of participants
- Joint Research Training Programme:
 - (i) training through research
 - (ii) complementary competences modules
 - (iii) exposure to both public and private sectors
- Industry involvement
- Mutual recognition of the quality of the training
- Four years contracts
- Bottom up – No specified Research Topics





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Marie Curie Actions in FP7: ITN

Who are the participants ?

- National organisations (e.g. universities, research centers, etc... whether private or public)
- Commercial enterprises, especially SMEs
- Non-profit or charitable organisations (NGOs, trusts, etc...)
- International European Interest Organisations (CERN, EMBL, ...)
- The Joint Research Center of the EC
- International organisations (WHO, UNESCO, etc...)





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Marie Curie Actions in FP7: ITN

Participants from which country ?

→ 4 categories

- EU Member States (MS)
- Associated Countries (AC):
Iceland, Liechtenstein, Norway, Croatia, Serbia, Turkey, FYROM, Switzerland, Israel
- International Cooperation Partner Countries (ICPC)
*based on three categories according to income per capita
(low-income, lower-middle-income, or upper-middle-income).*
- Other (non-AC, non-ICPC) Third Countries (OTC)

Funding
under
conditions





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Marie Curie Actions in FP7: ITN

ITN typically set-up as:

Type of ITN	Country of Participants
Multi-site ITN	<p>≥3 Participants from 3 different countries (MS or AC)</p> <p>- Additional Participants: MS, AC, ICPC or OTC*</p> <p>* Can only be funded if a special agreement is foreseen between the country and the EU, or in very exceptional cases where funding is essential for the training programme</p>



No more than 40% of the total EC contribution may be allocated to the benefit of organisations within one country in Multi-sites ITNs.





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Marie Curie Actions in FP7: ITN

In certain cases:

Type of ITN	Country of Participant(s)	
Twinning ITN	Well-established transnational collaboration	2 Participants from 2 different countries (MS or AC)
Mono-site ITN		1 Participant from MS or AC

- Contracting organisation(s) take(s) full responsibility for executing the proposed research training programme
- Recruited researchers are expected to benefit from the informal network (secondments)



The nature of the existing international collaboration + the way in which this will be exploited in the proposed training programme must be described in the proposal





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Marie Curie Actions in FP7: ITN (multi, twinning or mono)

Direct or indirect **involvement** of **private business sector** as:

Full Network Partner	Offer research training & Recruit eligible researchers	Level 1
Associated Partner	Provide research training, complementary skills courses , (communication, enterprise cycles, innovation, IPR, ...) secondments	Level 2
	Member of the Supervisory Board : definition of skills requirements for targeted researchers	Level 3



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Marie Curie Actions in FP7: ITN

- Involvement of industry should be at the **highest possible level**
- Proposals should include **clear evidence** of the **commitment of industry** to be involved
- The expected **minimum involvement** is **Level 3**

- The level of commitment of industry will be assessed by the expert evaluator under each of the evaluation criteria.
- In fields known to have strong interactions with industry, proposals are likely to receive a less favorable assessment if they only foresee industry involvement at the lowest level.



Marie Curie Actions in FP7: ITN

Eligible researchers: Member States, AC, ICPC and OTC

	Eligibility Criteria at the time of recruitment	Duration of appointments	
INITIAL TRAINING	Early stage researchers (≥ 80%)	0 ≤ Research experience ≤ 4 years No PhD	3-36 months
	Experienced researchers	PhD or at least 4 years of research experience & Research experience ≤ 5 years	3-24 months
Transfer of NEW COMPETENCES	Visiting scientists (a limited number)	Experienced researchers (experience >> 4 years) with outstanding stature in international training and collaborative research	≥ 1 month Multiple stays



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Marie Curie Actions in FP7: ITN

Visiting Scientists recruitment:

- To complement the network's capacity to transfer new knowledge + strengthen supervision of the network-wide training activities
- Should be **exceptional** and **duly justified** in the proposal, with explicit reference to the punctual training events he/she would be expected to provide or organise
- The duration of appointment should not exceed what is reasonable

The role of visiting scientists and the value added by their involvement in the training programme will be assessed by the expert evaluators.





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Marie Curie Actions in FP7: ITN

Trans-national mobility:

- Researchers can be nationals of any country other than the country of the premises of the host institution
- Nationals of ICPC or OTC can only be recruited by hosts located in MS or AC
- Researchers must not have resided or carried out their main activity in the country of the host for more than 12 months in the 3 years immediately prior to their recruitment





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Marie Curie Actions in FP7: ITN

Typical ITN Activities

- TRAINING
- NETWORKING
- INTERNATIONAL CONFERENCES open to external researchers



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Marie Curie Actions in FP7: ITN

Training activities:

- **Training** on **scientific** and **technological knowledge through research**:
individual personalised projects within the frame of the research topics defined by the network
- Provision of **structured training courses**:
tutoring, lecture courses, teaching
 - available either locally or from another participant of the network
 - local training programmes are expected to be coordinated to maximise added value
(e.g. opening up of local training to other network teams, joint Ph.D. programmes, etc.)





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Marie Curie Actions in FP7: ITN

Training activities:

- **intersectorial visits** and **secondments**
- Development of **network-wide training activities** :
workshops, summer schools
 - exploitation of the **interdisciplinary** and **intersectoral** aspects of the project
 - exposure of the participants to different schools of thought
 - provide **complementary training** in IPR, project management, presentation skills, language courses, ethics, communication, entrepreneurship, proposal writing, task coordination...
 - **visiting scientists** may contribute to such activities
- coordinated by a clearly identified **Supervisory Board**





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Marie Curie Actions in FP7: ITN

Training activities:

- **Personal Career Development Plan** established for researchers recruited for ≥ 6 months
- **Early Post-Docs**

Training objective:

- make them more independent
- provide them the skills to become team leaders in a near future

Training activities:

- intersectoral or interdisciplinary ToK
- taking part in the management of the research project
- organisation of training events

The expert evaluators must be able to see from the proposal how the opportunities offered within the network would be exploited for the career enhancement of these early « postdocs ».





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Marie Curie Actions in FP7: ITN

Networking activities:

- Organisation of scientific/managerial **network meetings**
- Invitation of **external experts**
- Attendance at **international conferences** and workshops
- **Electronic networking** (internet webpages, email, video conferencing)
- **Collaboration with other ITNs** in similar or complementary fields
- Organisation of a **final network conference** widely publicised



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Marie Curie Actions in FP7: ITN

International Conferences and other training events open to external researchers:

- Opportunity for the recruited researchers to **exchange knowledge with more experienced researchers**
- Opportunity for the members of the network to **disseminate the skills and knowledge** that the teams have to offer
- Open training events can be international conferences, workshops, seminars, summer schools, etc...

- Full details of the contents, quality and expected number of participants of such events should be given and fully justified in the proposal.
- Justification and integration of the proposed events in the joint training programme will be assessed by the expert evaluators.





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Marie Curie Actions in FP7: ITN

Supervisory Board co-ordinating network-wide training:

- Each network should have a clearly identified Supervisory Board.
- It ensures that scientific and technological training is balanced with complementary skills training.
- It is composed of representatives of each of the participants in the network as well as external representatives.
- Industry must be involved to give the trained researchers the widest possible employment prospects.



Eligible expenses for the activities carried out by the recruited researchers

	Managed by the researchers			Managed by the host institution
ESR and ER	A*	B	C	D
	Monthly living and mobility allowance <i>Allowance rates adjusted by applying a country correction factor</i>	Travel allowance <i>Based on direct distance between place of origin and host institution</i>	Career Exploratory allowance <i>2000€ for each researcher with a stay of at least 1 year</i>	Participation to training / networking activities <i>-300€/researcher-month: non laboratory projects</i> <i>-600€/researcher-month: laboratory projects</i>
Visiting scientists	*Budget category, see Work Programme 2008			 PEOPLE



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Marie Curie Actions in FP7: ITN

Eligible expenses for the activities carried out by the host organisations

- Contribution to the research/training/ToK programme expenses (E)*
 - *Fixed amount of 600€ / researcher-month*
- Contribution to the organisation of international conferences, workshops and events (F)
 - *Fixed amount of 300€ / researcher-day for researchers from outside the network and for the duration of the event*
- Management activities (G)
 - *7% of the total EC contribution for Multi-site ITN*
 - *3% of the total EC contribution for Mono-site and Twinning ITN*
- Overheads - *10% of direct costs (except subcontracts)* (H)



*Budget category, see Work Programme 2008





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Initial training researchers

2

Initial Training Networks*

Life-long training and career development

Intra-European Fellowships / European Reintegration Grants
Co-funding of regional/national/international programmes

Industry dimension

Industry-Academia Partnerships and Pathways*

International dimension

Outgoing & Incoming* Fellowships; International Research Staff exchange;
International Reintegration grants;

Specific actions

Mobility and career enhancement actions; Researchers' nights;



* Open to third-country nationals





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Activity 2: "Life-long Training and Career Development"

- Intra-European Fellowships for Career Development (IEF)
- European Reintegration grants (ERG)
- Co-funding of Regional, National and International Programmes (COFUND)





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Marie Curie Actions in FP7: IEF

2

Objectives

- To support career development of experienced researchers
- To enhance individual competence **diversification** – skills acquisition at multi-interdisciplinary level and/or inter-sectoral level
- To support researchers in attaining and/or strengthening a leading independent position
- To assist researchers to resume a career in research after a break





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Marie Curie Actions in FP7: IEF

Main features

- Experienced researchers* from Member States (MS) or Associated Countries (AC)
 - * Be in possession of a doctoral degree, or 4 years of full-time research experience
- Trans-national mobility within Member States (MS) or Associated Countries (AC)
- Application submitted by the researcher in conjunction with the host organisation
- Project duration: 12 up to 24 months





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Marie Curie IEF 2007

Budget 72 ME

Eligibility status of submitted proposals

Status	Nr of proposals	%
Submitted	1701	100,0%
Transferred from FP7-PEOPLE-4-2-IIF	4	0,24%
Withdrawn before evaluation	4	0,2%
Non eligible	25	1,5%
<i>of which failing eligibility criteria</i>	23	1,4%
<i>of which transferred to FP7-PEOPLE-4-2-IIF</i>	2	0,1%
Eligible evaluated	1672	98,3%

OVERALL RESULTS

Result	Nr of proposals	%
Eligible evaluated	1672	100,0%
Recommended for funding	423	25,3%
Reserve list	218	13,0%
Rejected	1056	63,1%
<i>Above thresholds</i>	651	38,9%
<i>Below threshold(s)</i>	43 380	22,7%



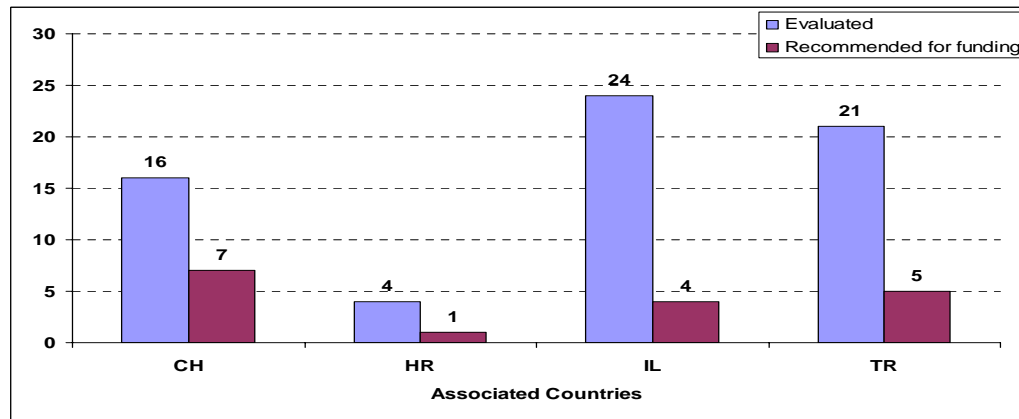
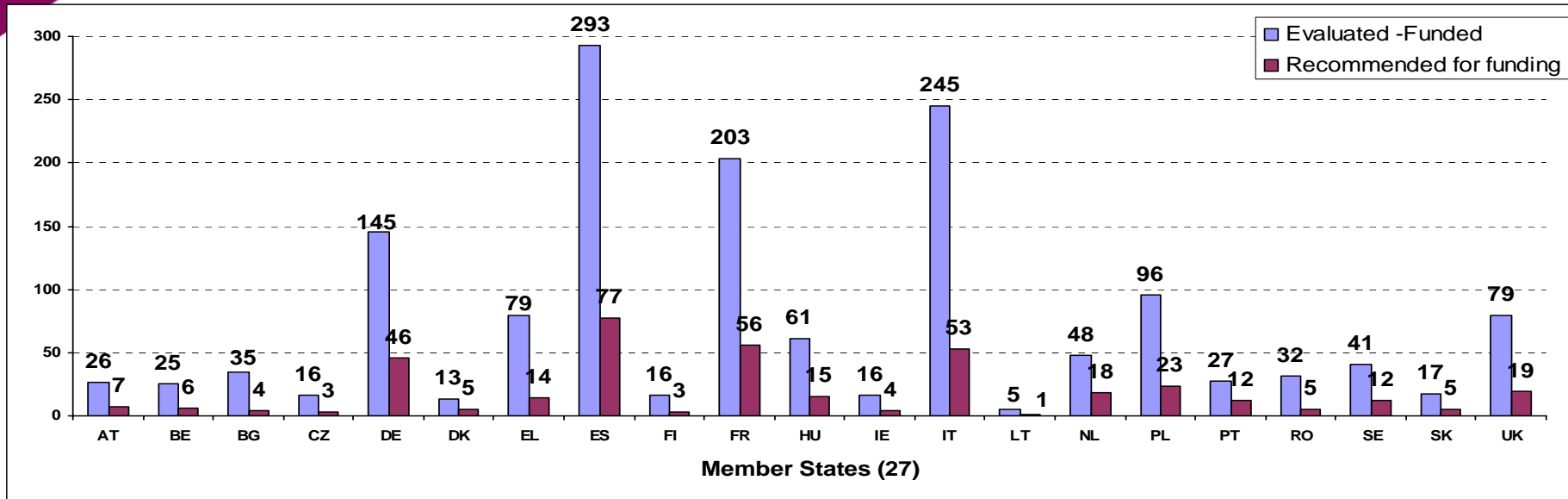


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Marie Curie IEF 2007

Distribution of proposals evaluated and recommended for funding by country of nationality of applicant





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Marie Curie IEF 2007

Proposals recommended for funding: mobility pattern

Country	Nationality of applicant																									Grand Total											
	AR	AT	AU	BE	BG	BR	CH	CZ	DE	DK	EL	ES	FI	FR	HR	HU	IE	IL	IN	IT	LB	LT	NL	NZ	PL		PT	RO	RU	SE	SK	TR	TW	UA	UK	US	
AT							1	3		1	1				1							1								1				1			10
BE		1	1											3	1						2		2				1		1						2		14
CH				1				5			1		4	2	1				2		1		2	1			2	1						2		22	
DE			1	1			1		2	2	6		9	2					3		2		2	1		2	1	3	1				3		39		
DK					1			1		1	3		1			1				1																9	
EL											1																									1	
ES				1		1		6		2		3						7	1		1		2	1					1				1		1	27	
FI								1		1			1										1						1							5	
FR			1	1			3	3	4	10					2				13			1	4	2	1	1		1	1		1		4		52		
HU								1								1																		1		3	
IE								1					2						1																	4	
IL								1																												1	
IT			1					1	1	1	4		3					1		4										2				1		19	
NL				2	1	1		3		5		5	2	1		1							1	2			1	2			1	1			26		
NO													1										2													3	
PL											1							1																		2	
PT																1																				1	
SE								4	1	1	3	1	1		1							1		1										2		16	
UK	1	3		1	2	1	2	1	18	1	1	42	2	23		3	1	2	1	21		1	7		11	6	2	3	5	2	2		1	2	1	169	
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