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Community research

People Programme Marie Curie Actions



European Commission
DG Research





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Marie Curie Actions

- **From FP6 – FP7**
- **Overview FP7**





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PEOPLE Programme in FP7

Cooperation – Collaborative research

Ideas – Frontier Research

People – Marie Curie Actions

Capacities – Research Capacity



JRC (non-nuclear)

JRC (nuclear)

Euratom





Community research



ACTIONS

MARIE CURIE

Nobel Prize

Physics 1903 and Chemistry 1911





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**The Nobel Prize in Physics 2007, Albert Fert,
"for the discovery of Giant Magneto resistance
was host of a Marie Curie RTNetwork**



Peter Grünberg
Forschungszentrum Jülich
Jülich, Germany

Albert Fert
Unité Mixte de Physique
CNRS/THALES
Orsay, France





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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PEOPLE

Marie Curie Actions in FP7

Overall scope

- Human resource development in R&D in Europe
 - For more numerous, well-trained, motivated researchers
 - Attract students to research careers
 - Skills and sustainable career development
 - Connect with industry
 - Consolidate careers of women in science
 - structuring the impact of EU fellowships
 - Simplifying where possible
-
- **Continuity of previous Framework programme**



Marie Curie Actions from FP 6 to FP7

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FP6- Marie Curie Actions

Host Driven

- Research Training Networks (RTN)
- Fellowships for Early Stage Training (EST)
- Fellowships for Transfer of Knowledge
 - TOK-IAP
 - TOK-DEV

Individual Driven

- Intra-European Fellowships (EIF)
- Outgoing International Fellowships (OIF)
- Incoming International Fellowships (IIF)
- European Reintegration Grants (ERG)
- International Reintegration Grants (IRG)

Excellence promotion

- Chairs (EXC)
- Conferences and Training Courses (SCI)
- Awards (EXA)
- Grants (Teams) (EXT)

FP7 People – Marie Curie Actions

1. Networks for initial training (ITN)

Includes Chairs, Conferences

2. Life-long training & Career development

- Intra-European Fellowships (EIF)
- European Reintegration Grants (ERG)
- Co-funding national progr. (NEW for 2007/2008)

3. Industry-academia pathways & partnerships (IAPP)

4. International dimension

- International outgoing fellowship (IOF)
- International incoming fellowship (IIF)
- International Reintegration Grants (IRG)
- Intern. Research Staff Exchange (NEW for 2008)

Scientific diasporas (no calls)

5. Specific actions

- Nights
- Awards (only 2007)
- ERAMORE
- Cooperation among NCP's (only 2007)

Capacities SP

- Capacities Programme (Research Potential)

IDEAS ERC- European Research Council



I. “People” = 5 Marie Curie building blocks

1. Initial training:

- **Initial Training Networks (ITN)**

2. Life long training and career development:

- **Intra European Fellowships (IEF)**
- **Reintegration Grants (European +International RG)**
- **Co-funding of national/regional/international programmes**

3. Industry dimension:

- **Industry-academia partnership and pathways (IAPP)**

4. International dimension – World Fellowships:

- **International Outgoing fellowships (IOF)**
- **International Incoming fellowships (IIF)**
- **International Research Staff Exchange Scheme (IRSES)
(S&T, ENP)**

5. Specific actions

“Euraxess” Researchers Night etc



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CommAction

Call ID

Closes/
Call Opens

Call/
Cut-off

Budget
(€million)

NIGHT Researchers' Night	FP7-PEOPLE-2009-NIGHT	14 October 2008	14 Jan 2009	3
<i>CO-Funding of Regional, national & International Programmes</i>	FP7-PEOPLE-COFUND-2008	19 November 2008	19 Feb 2009	75
IRSES International Research Staff Exchanges Scheme	FP7-PEOPLE-2009-IRSES	25 November 2008	27 March 2009	30
RG Reintegration Grants (ERG & IRG schemes) 1st cut off	FP7-PEOPLE-2009-RG	09 November 2008	02 April 2009	See Oct 2009
EURAXESS - Service Network	FP7-PEOPLE-2009-EURAXESS	22 January 2009	22 April 2009	2.9
IEF Intra-European Fellowships	FP7-PEOPLE-2009-IEF	18 March 2009	18 August 2009	28
IIF International Incoming Fellowships	FP7-PEOPLE-2009-IIF	18 March 2009	18 August 2009	95
IOF International Outgoing Fellowship	FP7-PEOPLE-2009-IOF	18 March 2009	18 August 2009	28
IAPP Industry Academia Partnerships & Pathways	FP7-PEOPLE-2009-IAPP	24 April 2009	27 July 2009	65
RG Reintegration Grants (ERG & IRG schemes) 2nd cut off	FP7-PEOPLE-2009-RG	09 October 2008	08 Oct 2009	31 for all 2009
ITN Initial Training Networks	FP7-PEOPLE-2009-ITN	08 Sept 2009	22 Dec 2009	243,15





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International Dimension

- *International Outgoing Fellowships*
- *International Incoming Fellowships*
- *International Research Staff Exchange Scheme*
- *International Reintegration Grants*





Invitation to Third Countries to actively use all possibilities under “Marie Curie”

1. In general, **all FP7 actions** are open to international participation
2. Countries may participate in Marie Curie activities that are designed for the **international** community
3. In addition, specific actions for countries with preferential relations,
 - countries that have concluded an **“S&T Agreement”** with the EU
 - Or countries to which the European Neighbourhood Policies apply

4. World Fellowships

International **Outgoing fellowships** (from EU)

Career development/ **life-long training** for EU researchers :
EU outgoing individual fellowships,

- **to be trained in a third country institute or organisation**
 - *at least 4 years after graduation*
 - *Funding for up to 3 years in total*
 - -- with 1-2 years abroad
 - *To establish cooperation*
 - *Based on a personal 'career development plan'*
 - ***Mandatory return fellowship***



1. Outgoing fellowships

Which are the preferred countries?

302 fellows funded in FP6,
out of 1550 proposals

Success rate 21,6% ,

1.	US	228	=	75%
2.	AU	33	}	20%
	CA	26		
3.	NZ	4	}	2,5%
	JP	3		
4.	CN, IN, LK	,	}	2,5%
	PA, SG, TH, ZA	1		

Outgoing fellowships

Who is interested to go out?

Fellow Nationality	Funded		Success Rate	Fellow Nationality	Funded		Success Rate
1. FR	65	21,5%	20,4%	5. AT	9	3,0%	25,0%
2. DE	47	15,6%	27,3%	BE	9	3,0%	20,9%
ES	37	12,3%	21,4%	SE	7	2,3%	14,3%
IT	36	11,9%	21,8%	IE	5	1,7%	23,8%
3. UK	24	7,9%	28,2%	DK	4	1,3%	36,4%
4. NL	13	4,3%	29,5%	6. CZ	3	1,0%	17,6%
GR	13	4,3%	31,0%	PT	2	0,7%	25,0%
IL	12	4,0%	25,5%	BG	2	0,7%	20,0%
PL	10	3,3%	19,6%	RO	2	0,7%	9,5%
				HU	1	0,3%	7,1%
				TR	1	0,3%	7,1%
Total	302	100,0%	21,6%				

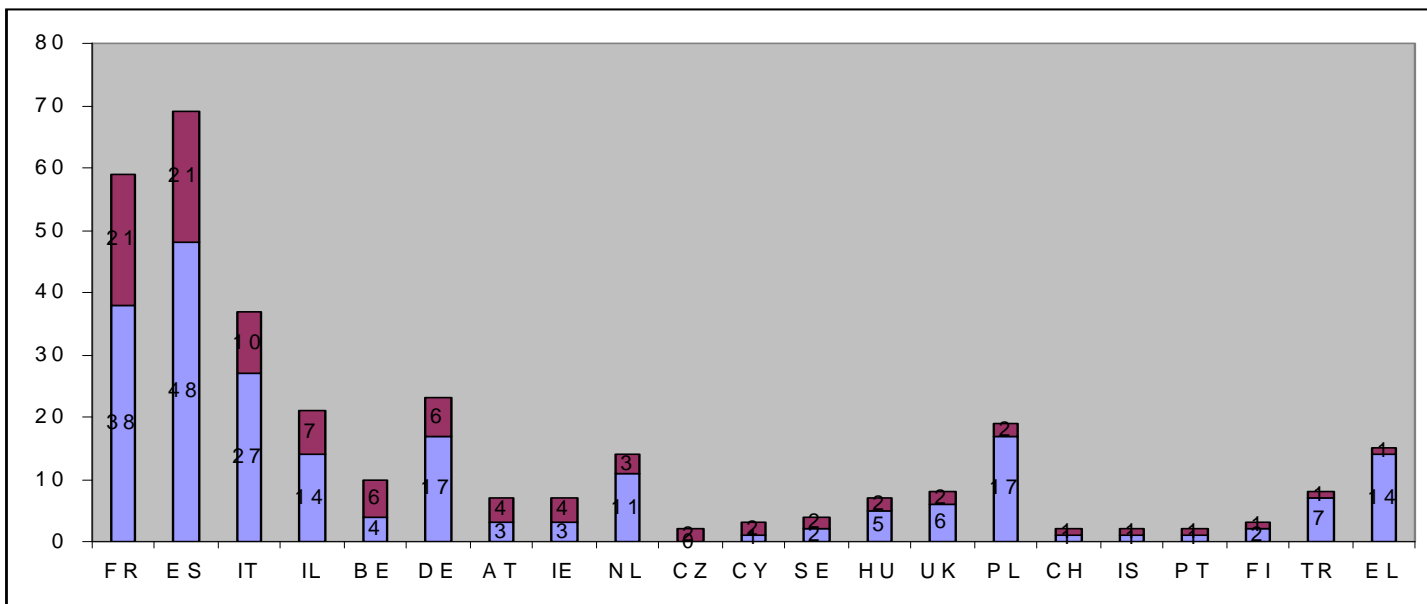
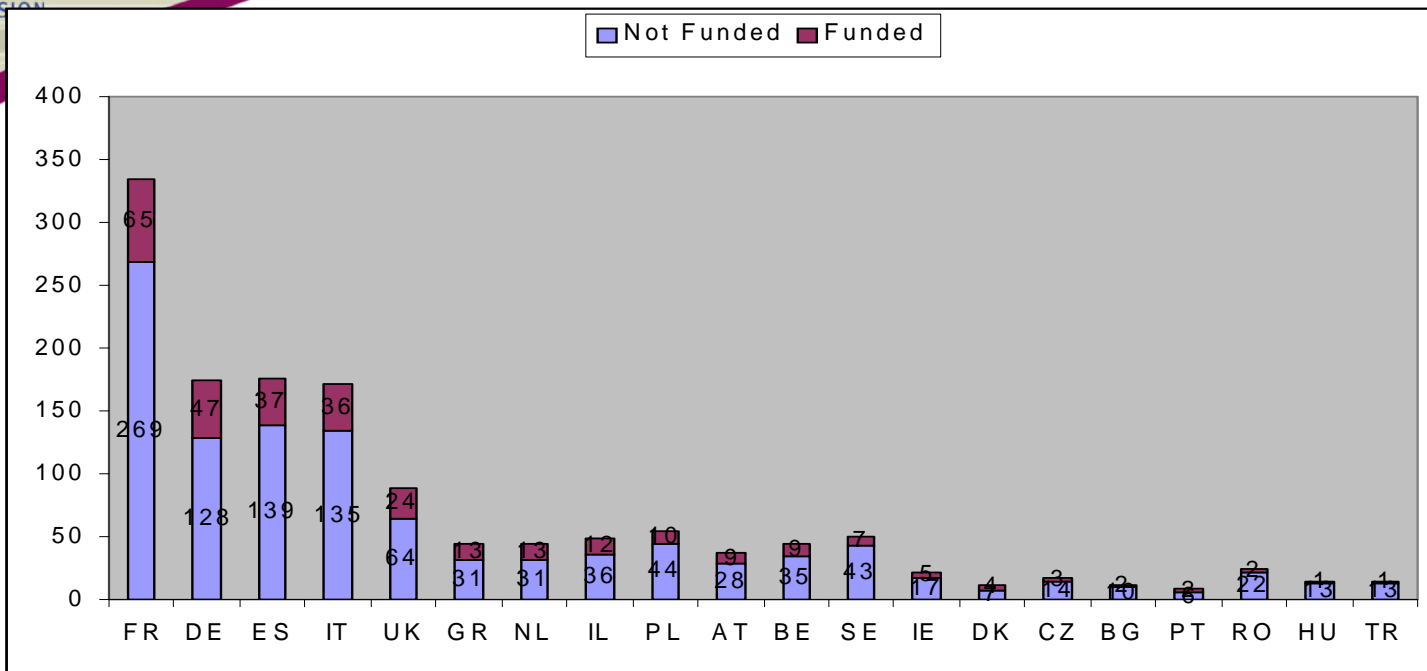
7. No successful proposals SI, NO, SK, CH, LT, EE, MT & AR, CA, HR, IS, MA



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IOF – By Applicant Nationality

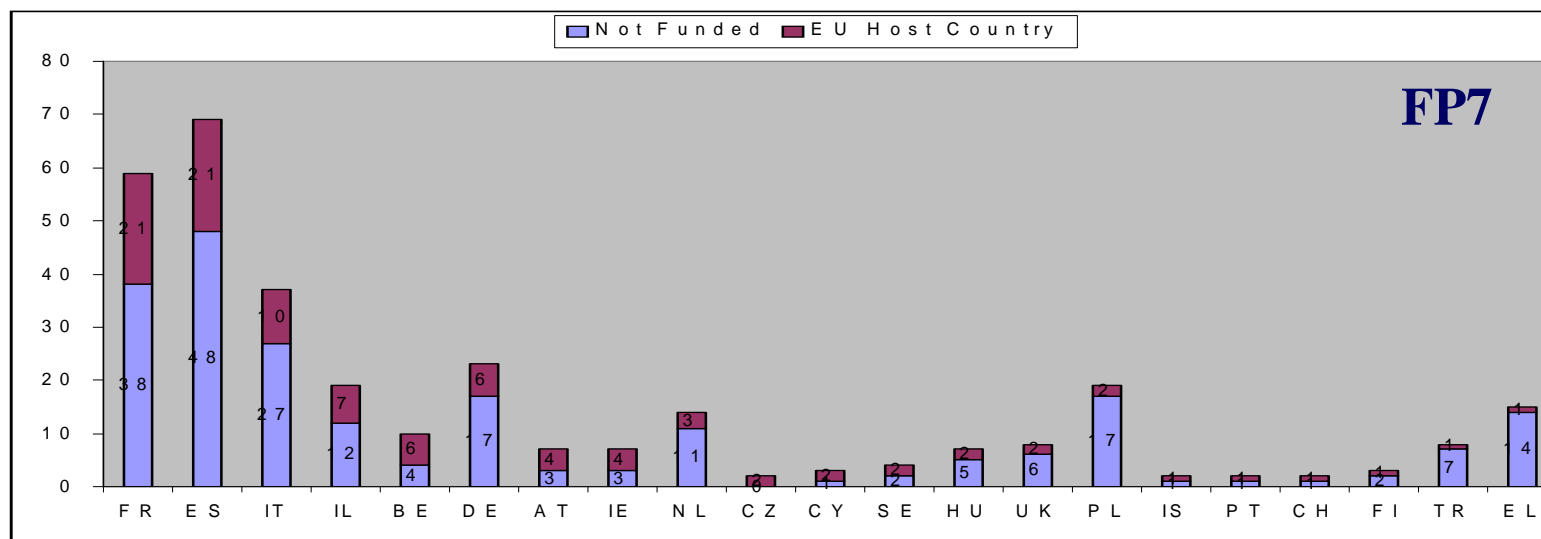
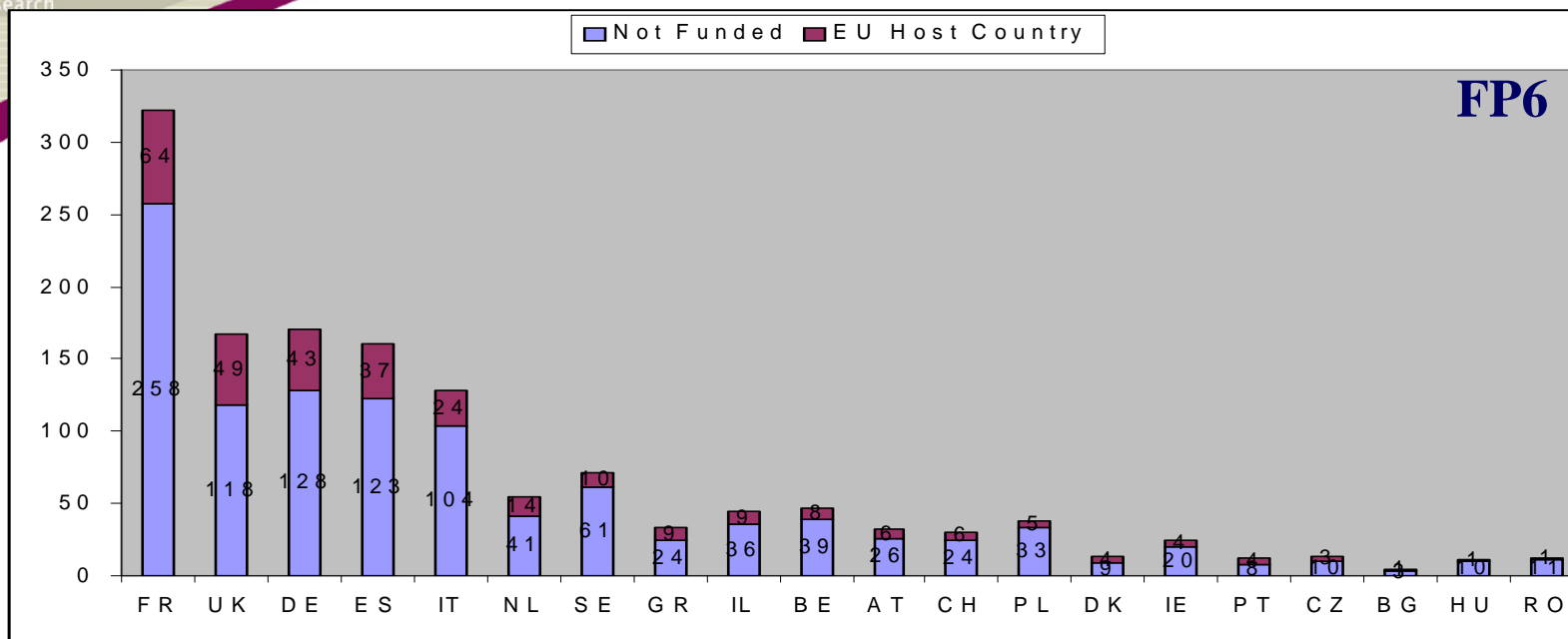




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IOF – By EU Host

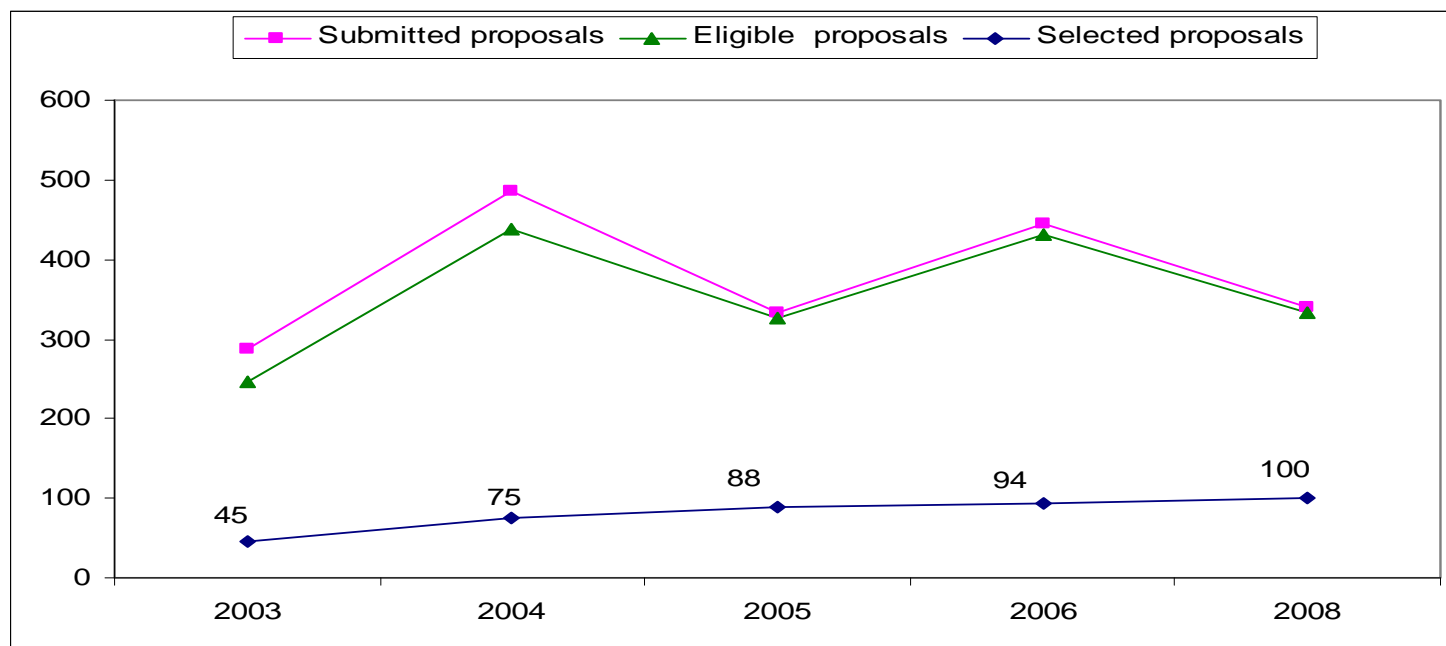




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Deadline	Submitted proposals	Eligible proposals	Percent Ineligible	Selected proposals	Success Rate	Budget (million EUR)
2003	287	246	14,29%	45	18,29%	11
2004	485	439	9,48%	75	17,08%	18
2005	332	327	1,51%	88	26,91%	20
2006	445	432	2,92%	94	21,76%	22
2008	341	332	2,64%	100	30,12%	24
Total	1890	1776	6,03%	402	22,64%	95





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4. World Fellowships

International **Incoming fellowships**

Incoming individual fellowships for top class researchers to upgrade their qualification in the EU and Ass and work in top class research institutions

- at least **four years** after graduation (post doc)
- to develop cooperation
- Proposal is submitted by the researcher **together with the host organisation**
- For **1 to 2 years**
- **Salary** plus contribution towards **research related** costs
- **ICPC may request a return fellowship**



2. Incoming fellows - from Third Countries FP6

Fellow Nationality	Funded	Success Rate	Fellow Nationality	Funded	Success Rate
RU	59	17,4%	KR	4	25,0%
CN	46	16,4%	YU	3	8,1%
IN	37	15,3%	CH (?)	2	13,3%
US	40	23,7%	NZ	3	15,8%
CA	34	31,2%	CL	2	9,1%
AU	34	31,8%	MA	2	11,8%
JP	22	32,4%	BD	2	14,3%
AR	18	15,4%	CO	1	5,9%
UA	15	14,2%	EG	1	2,9%
BR	12	18,8%	GE	1	7,1%
MX	11	24,4%	UZ	1	7,7%
HR	5	25,0%	IR	1	9,1%
MD	5	25,0%	AM	0	0,0%
BY	4	12,9%	ZA	0	0,0%

Total	382	17,7%
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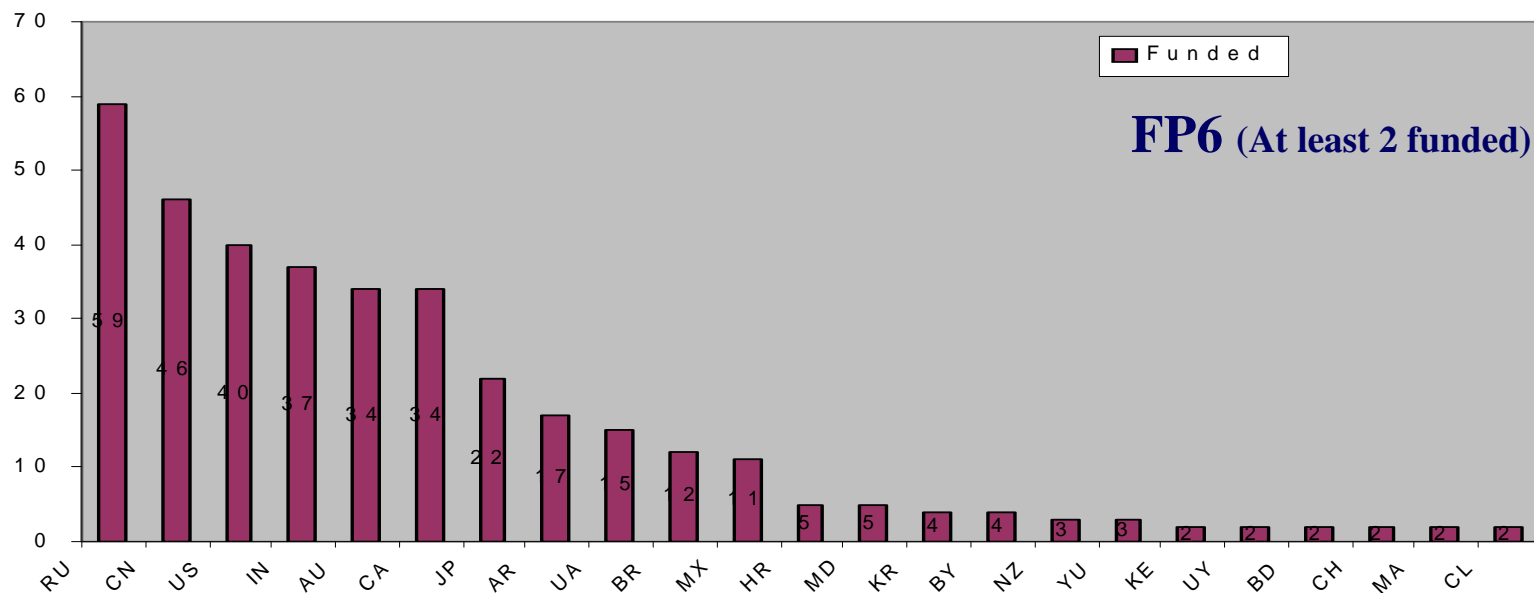


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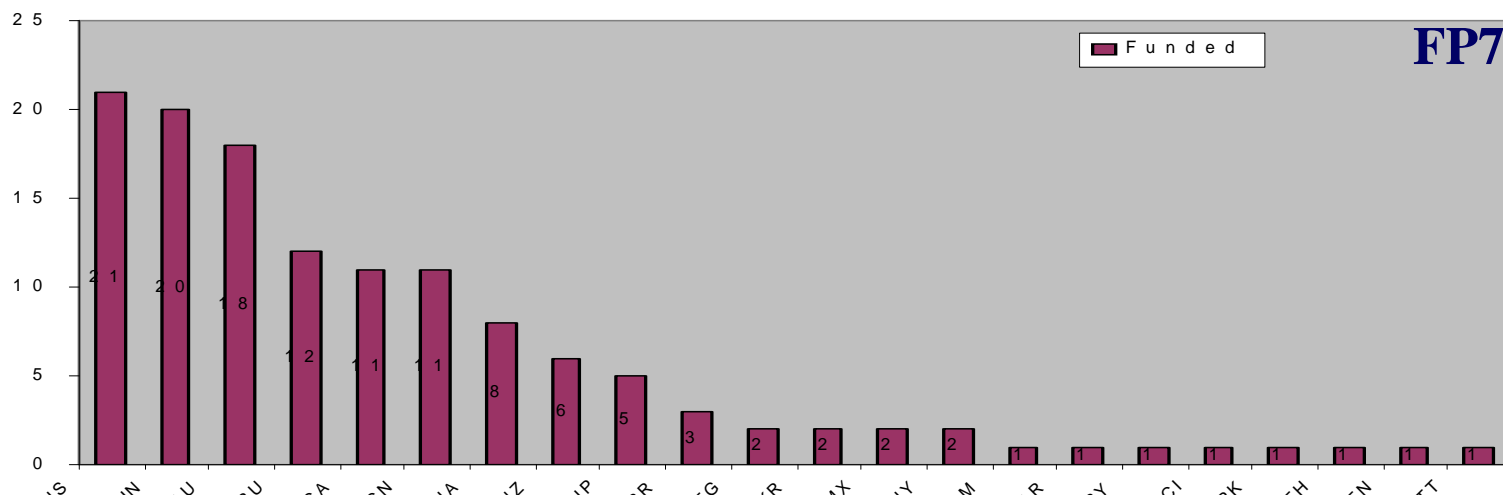
Community

HF – By Applicant Nationality

Funded



Funded





IIF – By Funded Return Host

FP6

Return Host	Number
RU	16
CN	13
AR	9
IN	9
BR	2
AZ	1
CM	1
EG	1
GE	1
GH	1
KE	1
KG	1
PK	1
UA	1
UY	1
UZ	1
Total	60

FP7

Return Host	Number
CN	6
RU	6
AR	4
AZ	1
BR	1
IN	1
KE	1
PK	1
UA	1
UZ	1
Total	23



Countries of Host Institutes FP6

Host Count.	Funded		Success Rate	Host Count.	Funded		Success Rate
UK	114	29,8%	22,4%	CH	8	2,1%	21,6%
FR	58	15,2%	16,2%	IE	8	2,1%	16,0%
DE	61	16,0%	21,9%	GR	6	1,6%	15,4%
ES	22	5,8%	12,6%	NO	3	0,8%	15,8%
IT	22	5,8%	14,2%	FI	3	0,8%	12,0%
NL	20	5,2%	20,8%	PT	1	0,3%	4,8%
SE	16	4,2%	21,3%	PL	1	0,3%	2,3%
BE	14	3,7%	16,7%	CZ	1	0,3%	7,1%
AT	13	3,4%	14,4%	SI	1	0,3%	12,5%
DK	9	2,4%	20,0%	IL	1	0,3%	20,0%
Total	382	100,0%	17,7%				

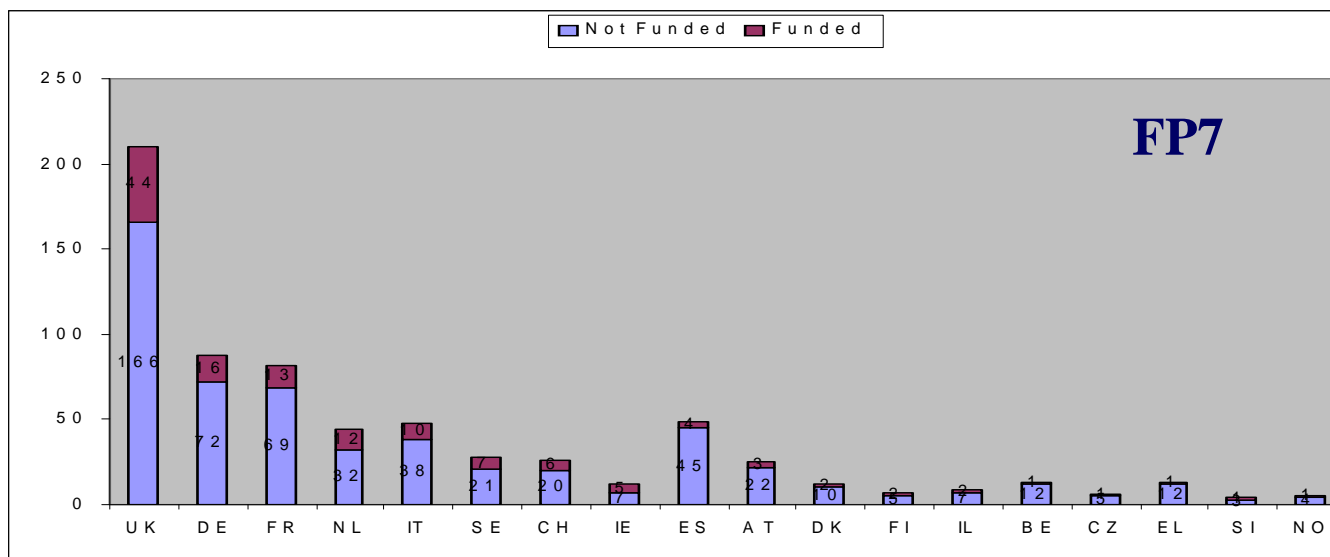
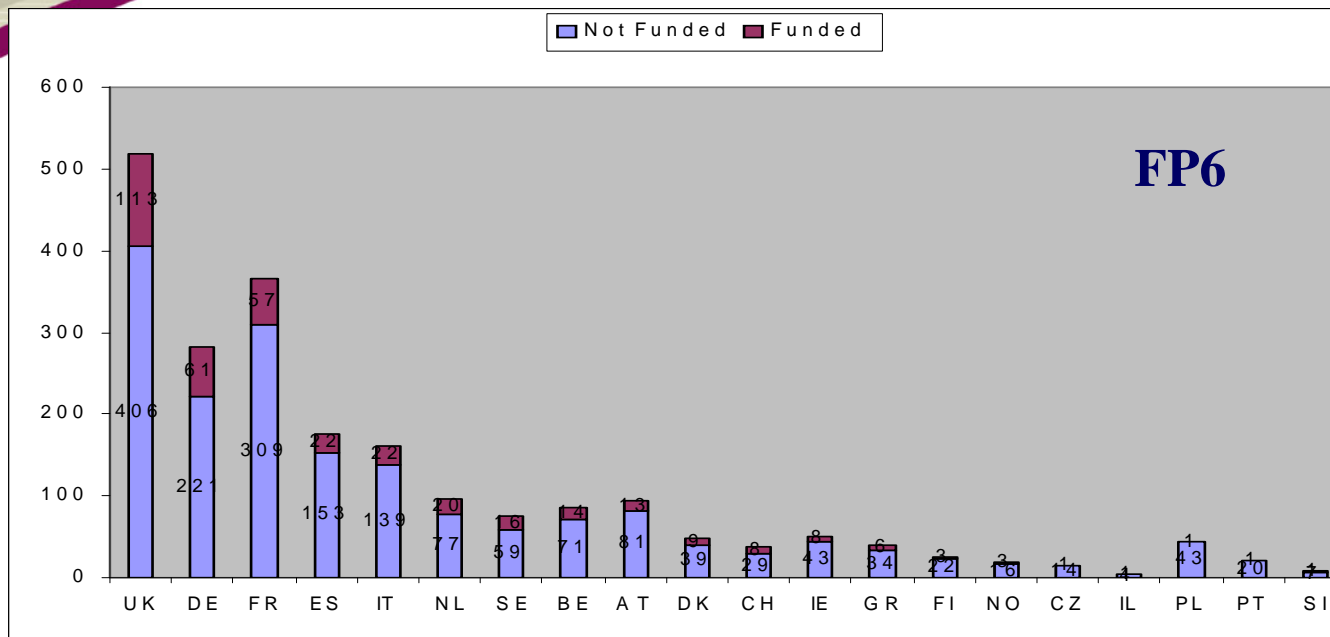
Unsuccessful applications CY, BG,HU,LT, LV, SK, TR,YU,AR,IN, RU, UA



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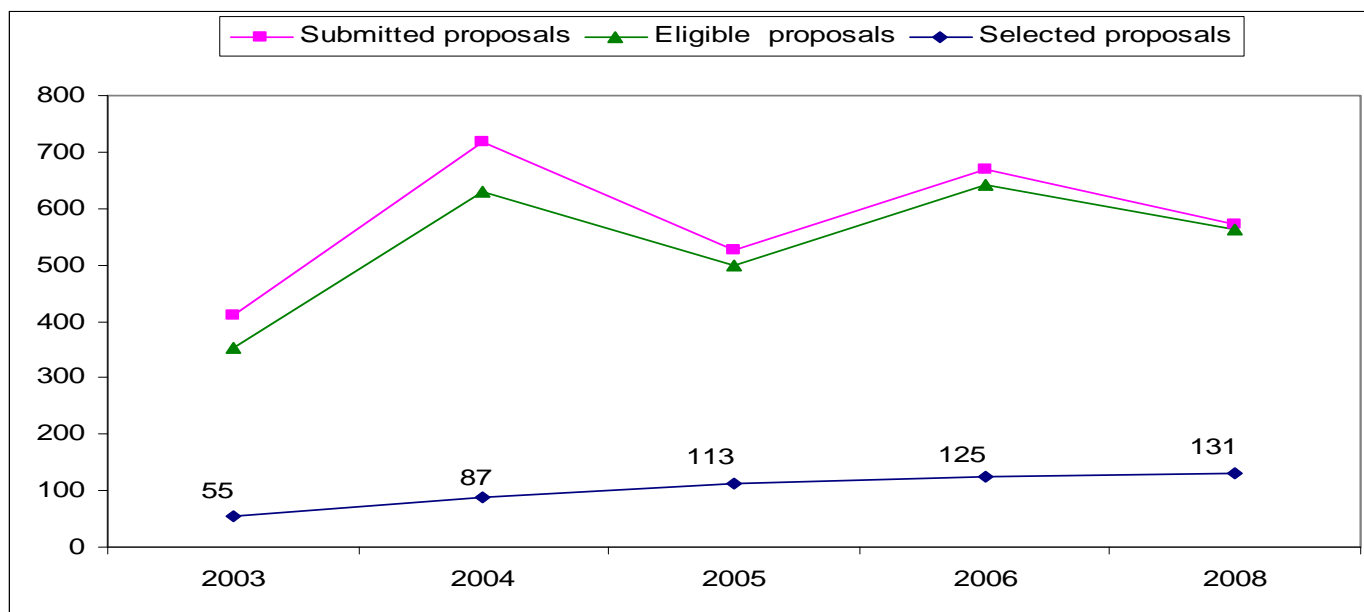
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IIF – By EU Host





Deadline	Submitted proposals	Eligible proposals	Percent Ineligible	Selected proposals	Success Rate	Budget (million EUR)
2003	410	352	14,15%	55	15,63%	9
2004	717	631	11,99%	87	13,79%	15
2005	526	498	5,32%	113	22,69%	20
2006	670	642	4,18%	125	19,47%	22
2008	573	562	1,92%	131	23,31%	24
Total	2896	2685	7,29%	511	19,03%	90



Subjects FP6

incoming		outgoing	
PANEL	Total	PANEL	Total
LIF	116	LIF	83
PHY	70	ENV	72
CHE	56	PHY	39
ENV	48	ENG	37
ENG	44	SOC	30
MAT	23	CHE	23
SOC	18	MAT	13
ECO	7	ECO	5
Total	382	Total	302



- IRGs have been a most successful to redirect careers back to Europe.
- Under FP6 **513 researchers** have been brought back, over 80% came from the US.
- Researchers returned mainly to countries that suffered from dramatic brain drain earlier and that now offer good research opportunities.
 - 72 came back to Spain,
 - 56 to Greece,
 - 38 to Turkey,
 - 12 to Poland.
 - The 17 **researchers** that came back to **Cyprus** was the most successful action for CY under FP6.
- But also stronger research nations such as
 - UK (66) and
 - FR (56) benefited from this targeted action.

4. IRSES

International Research Staff Exchange Scheme --

Objectives

- To establish or deepen partnership between min. 2 research organisations within Member States/Associated Countries and one or more organisations in Countries covered by European Neighbourhood policy and Countries with S&T Agreement through a joint programmes of exchange of researchers

Participation rules

- Partnership: min. 2 independent EU/AC research organisations of at least 2 different countries and one or more organisations in a third country
- Coordinator from EU/AC
- Duration of Partnership: 2-4 years



PEOPLE International Research Staff Exchange Scheme

Which countries ?

Countries with EC agreements on S&T: Argentina*, Australia, Brazil*, Canada, China*, Chile*, **Egypt***, India*, Japan, South Korea, Mexico*, **Morocco***, New Zealand, Russia*, South Africa*, **Tunisia***, **Ukraine***, United States

Countries of the European Neighbourhood Policy (ENP):

- Eastern Europe & Central Asia (EECA) *Armenia**, *Azerbaijan**, *Belarus**, *Georgia**, *Moldova**, *Ukraine**
- Mediterranean Partner Countries (MCP) *Algeria**, *Egypt**, *Jordan**, *Lebanon**, *Libya**, *Morocco**, *Palestinian-administrated areas**, *Syrian Arab Rep*.*, *Tunisia**

*** *International Cooperation Partner Countries (ICPC)***



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PEOPLE International Research Staff Exchange Scheme

Exchange programme

- Multi-annual joint exchange programme (balanced & coordinated)
- Short term exchanges (up to 1 year per person in total)
- Staff: researchers, management, technical staff
- Exchanges to/from Europe (not between EU/AC partners)
- Staff are seconded (maintain salary in institution of origin and have the right to return)
- Partner institutes select their staff for exchange
- No restriction for size of programme





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PEOPLE International Research Staff Exchange Scheme

Financial aspects for partners from 3d countries

- Need for own funding to cover costs of researchers coming to Europe (matching funds)
- These may come from:
 - A public programme
 - Own resources of the institution
- Importance to plan public funding in advance
- Requests for Community funding may be granted exceptionally on a case by case basis (ICPC)



Marie Curie Actions –inside Europe

- *Life long == >> IEF -- COFUND*
- *Young researchers == >> ITN*
- *Industrial competence == >> IAPP*
- *Excellence == >> ERC*
- *European Reintegration Grants = ERG*

2. Marie Curie *Intra European* fellowships for career development

*Life-long training & career development
(4 years + after graduation = post doc but
also later)*

In two modes

*1. Traditional mode:
selection/funding of fellows through call at EC
level*



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cofund

2. New « Co-funding » mode – with structuring effect - In evaluation

- Selection for « co-funding » of *existing or new national, regional and international fellowship programmes*
- *Researchers apply to the co-funded national programmes*; programmes operate following own standards
- Charter and Code
- “*Vacancies*” ➔ *mobility portal*



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

European Commission > Research > Marie Curie Actions



Welcome to the Marie Curie Actions

Career Opportunities for Researchers

anytime - anyplace - anywhere



Funding

- WHAT are the Marie Curie Actions
- WHICH actions are suited for me
- HOW to apply
- WHEN to apply
- WHERE is my application
- HOW TO manage my project
- WHY? find your answers in the FAQs



Both FP6 & FP7 projects

Careers

- Job vacancies
- Publish a job vacancy
- Taking control of your career



Policies

EURAXESS

Researchers in motion

- European policies for researchers
- The European Charter 4 Researchers and The Code of Conduct 4 their Recruitment
- Europe4Researchers Newsletter



1. *Initial training:*

Marie Curie Networks for early stage training

- *Allowances given to “early-stage” (up to five years after graduation, time for PhD +) researchers*
- *and senior « **visiting scientists** » positions*

Networks linking, participants from 3 MS and Ass. Countries as the hosts of high quality **training programmes – additional host from third countries possible –**

- *Desirable, the **involvement of private business sector***
- *open to researchers from third countries*
- ***Vacancies will be published and can be looked up on the “mobility portal” –***
- *Containing **short training events** (conferences, summer schools, training courses) – “mobility portal”*



3rd Countries' Post Docs in Host Networks

US	27
RU	20
JP	6
CA	5
CN	5
UA	4
BY	3

1 Post Doc

Preferential relation

AM, AR, CL, EG, KR,
MX, ZA
CR

Non-preferential

VE

Total: 518

82 from 3rd countries



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3rd Countries' Postgraduates (PG) in Host Fellowship Networks

US	20
RU	16
CN	8
IN	8
AU	5
AL	3
MA	3
AR	2
BY	2
ZA	2
CO	2

1 postgraduate

**Preferential
Relation**

AM, BR, CL, DZ, JO,
JP, NZ, TN

BA

Non-preferential

CU, GT, PK, ZW,

Total: 630 PG

91 PG from 3rd countries



3. Marie Curie *Industry partnerships and pathways*

Enhance cooperation and skills exchange between academia and industry on a **common research project**

- At least **two different** Member States or Associated countries (one from EU 27) and **in addition possible: third partners**
- At least **one organisation from each sector**
- Funding for **3-4 years**
- Networking activities, **workshops/conferences**, including for researchers from outside the partnership

Comparison: ERC “Starting Grants” vs. Marie Curie “Individual Fellowships”

Common objectives for Marie Curie and ERC:

- Best research talents, experienced researchers
- Support for career development
- No target in subjects, all topics may be addressed

Major differences:

<u>Marie Curie Individual Fellowships</u>	<u>ERC Starting Grants</u>
<i>For training and skills development of individual researcher</i>	<i>To stimulate frontier research projects performed by research team led by a "principal investigator" (PI)</i>
<i>Temporary nature (max. 2/3 years)</i>	<i>Commitment of the host institution to the PI to at least the duration of the project (max 5 years)</i>
<i>At any time of career (life-long training)</i>	<i>More specific career phase (2-9 years after PhD)</i>
<i>Mobility requirement</i>	<i>No mobility required</i>
<i>Fixed-amount fellowship for researcher alone €100 000-250 000</i>	<i>Full project funding with full flexibility including, personnel , equipment consumables up to € 2m</i>



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The new enquiry service-
Send an e-mail

research@ec.europa.eu