

LE MARIE SKŁODOWSKA-CURIE (MSCA) IN HORIZON 2020

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15 aprile 2014
Sapienza Università di ROMA

www.apre.it

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Agenda

- Che cos'è APRE?
- Il Programma PEOPLE del 7° Programma Quadro: i maggiori risultati
- “Marie Skłodowska-Curie (MSCA)”: Struttura e regole di partecipazione
- Individual Fellowships (IF) 2014/15
- Progettazione in ambito MSCA



Italian **non-profit** research organisation

1989 - created as a “Task Force” of the Ministry of Education, University and Research

23 years of experience



MISSION

- Promoting and supporting **Italian participation** to the EU Research and Innovation programmes (R&I)
- Improve the “**Quality**” of the Italian participation in European programmes for R&I.

[WHAT IS APRE?]



Information & Assistance



Support for International activities



Training



[APRE 's services]



More than 100 members

54 Universities

37 Public and Private Research organisations

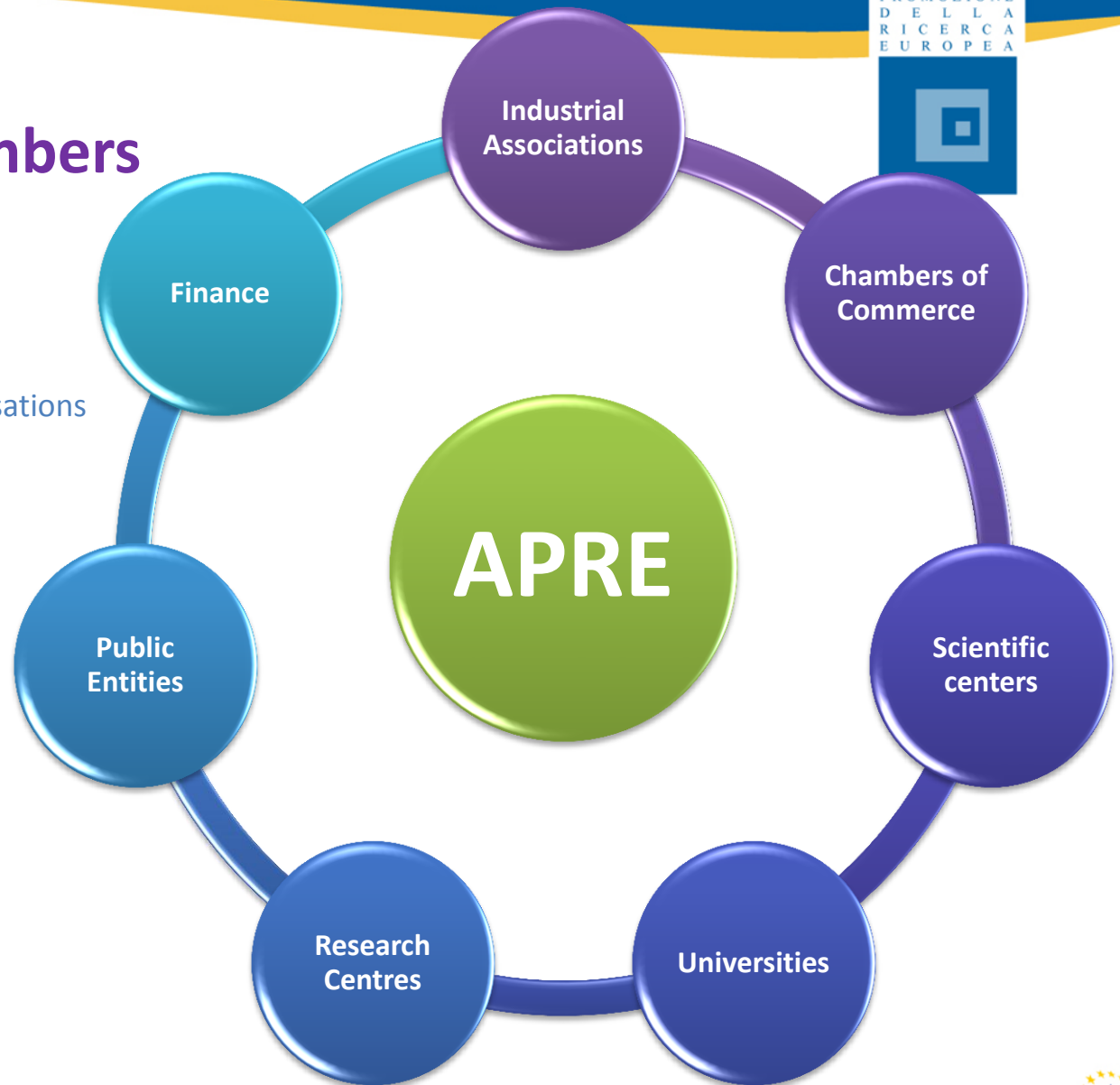
4 Financial organisations

4 Chambers of Commerce

4 Science Parks

7 Public Authorities

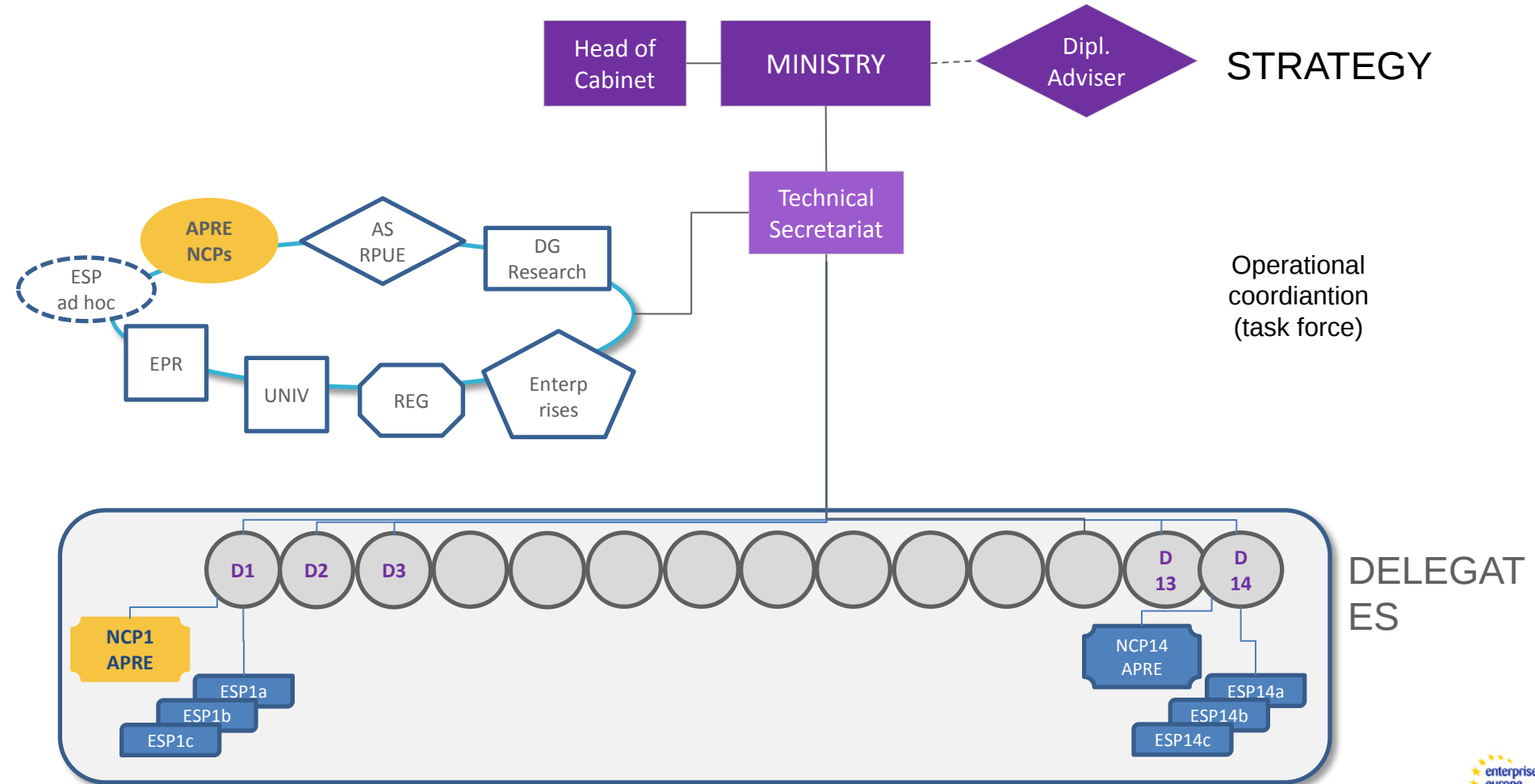
5 Trade Associations



[STAKEHOLDERS]



Collaboration with the Ministry of Research



To strengthen the cooperation at
local level,



to provide tailored services
responding to local needs



Abruzzo

Basilicata

Calabria

Campania

Emilia Romagna

Friuli Venezia Giulia (Trieste)

Friuli Venezia Giulia (Udine)

Lombardia

Marche

Molise

Piemonte

Puglia

Sardegna

Sicilia

Sportello dello stretto
(R. Calabria - Messina)

Toscana

Umbria

Veneto

[APRE HELPDESKS]

Direct link with international stakeholders (European Institutions, liaison offices and research bodies , others)

Advocacy activities

Participation to EU events and information days (on their behalf, if needed!)

Meeting room!

Bruxelles



Rome



[APRE LIASON OFFICE]



Web-site

Newsletter

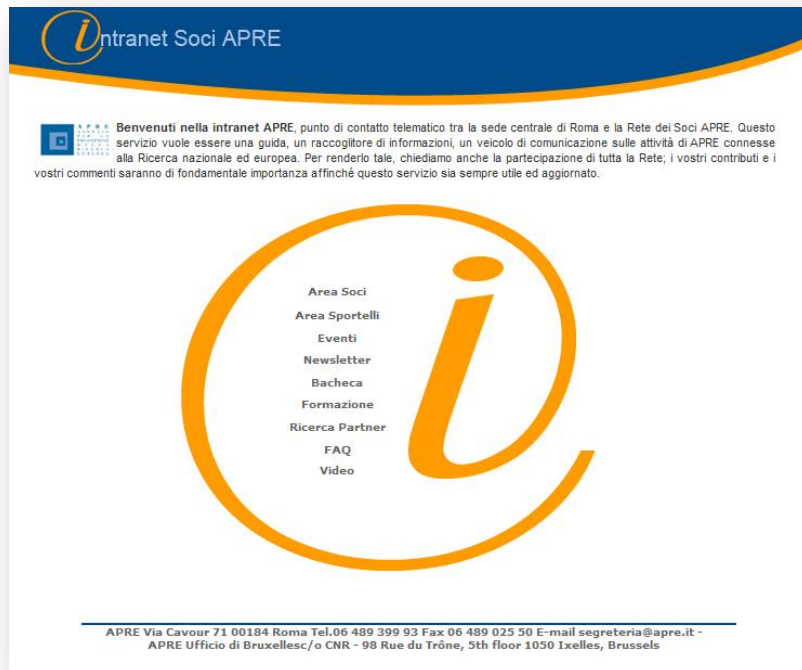
Social media

Press



[APRE COMMUNICATION CHANNELS]

www.apre.it



The intranet service is dedicated to APRE members and allows a two-way communication channel



Members can receive strategic information by using the intranet service

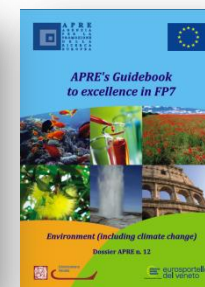
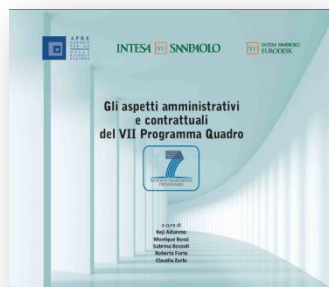


The Intranet service helps in the “networking” activities as well!



~ 20 Dossiers

And FAQs



[PUBLICATIONS]



Business Support on Your Doorstep

APRE is a partner of the “Enterprise Europe Network”, created by the European Commission (DG Enterprise) in 2008



a unique helpdesk dedicated to the following services:

1. information and assistance on R&I
2. support for transnational technology transfer (TTT)
3. signposting to other EEN partners concerning internationalization issues

1993

1995

2000

2008

APRE became a partner of the Value Relay Centre

APRE became a partner of the Innovation Relay Centre (IRC)

APRE has been official partner of CIRCE, Innovation Relay Centre of Central Italy

APRE is member partner of the Enterprise Europe Network

[EEN NETWORK]

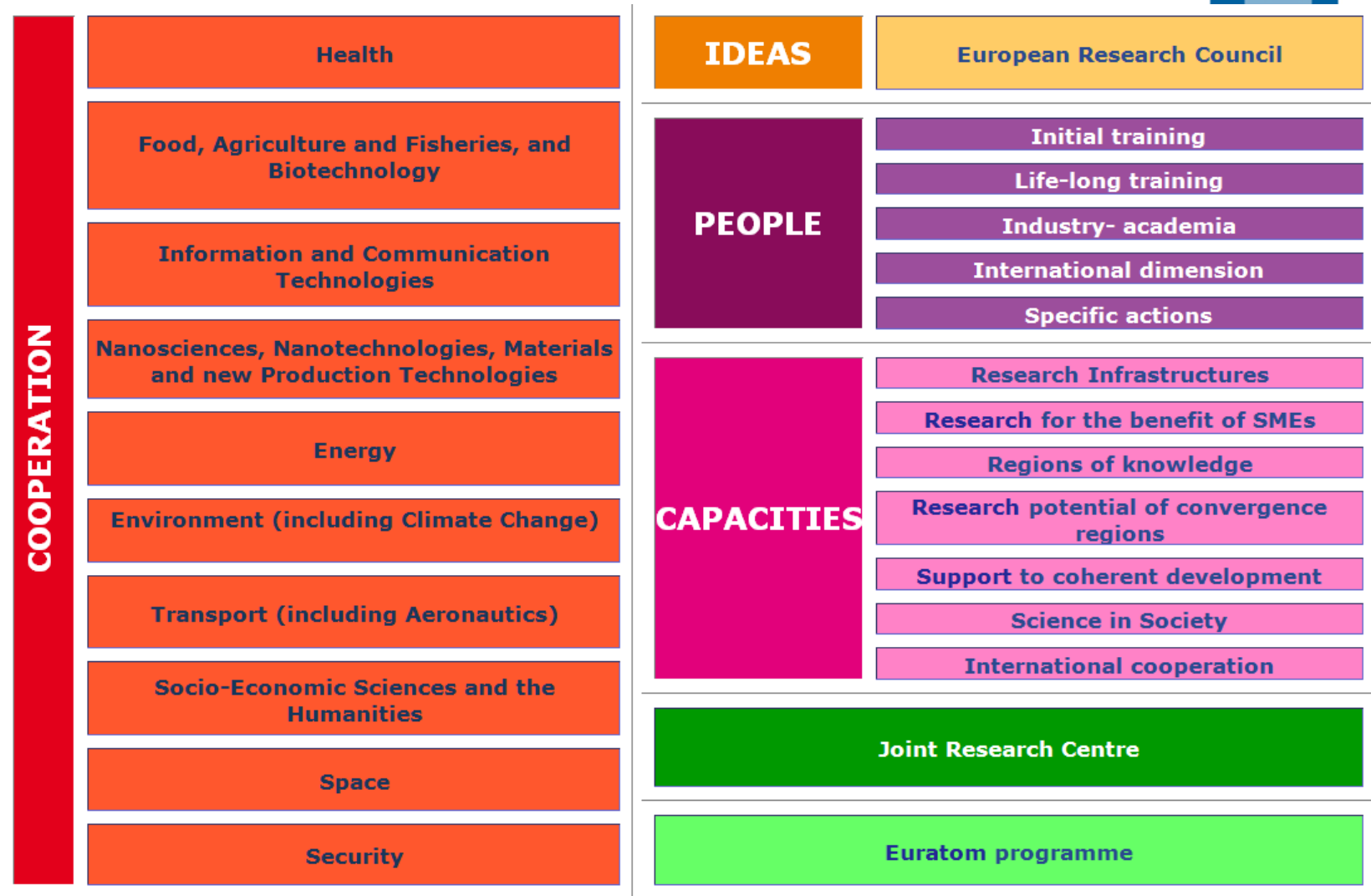


Horizon 2020
2014 -2020



FP7
2007-2013

[The 7th Framework Programme]





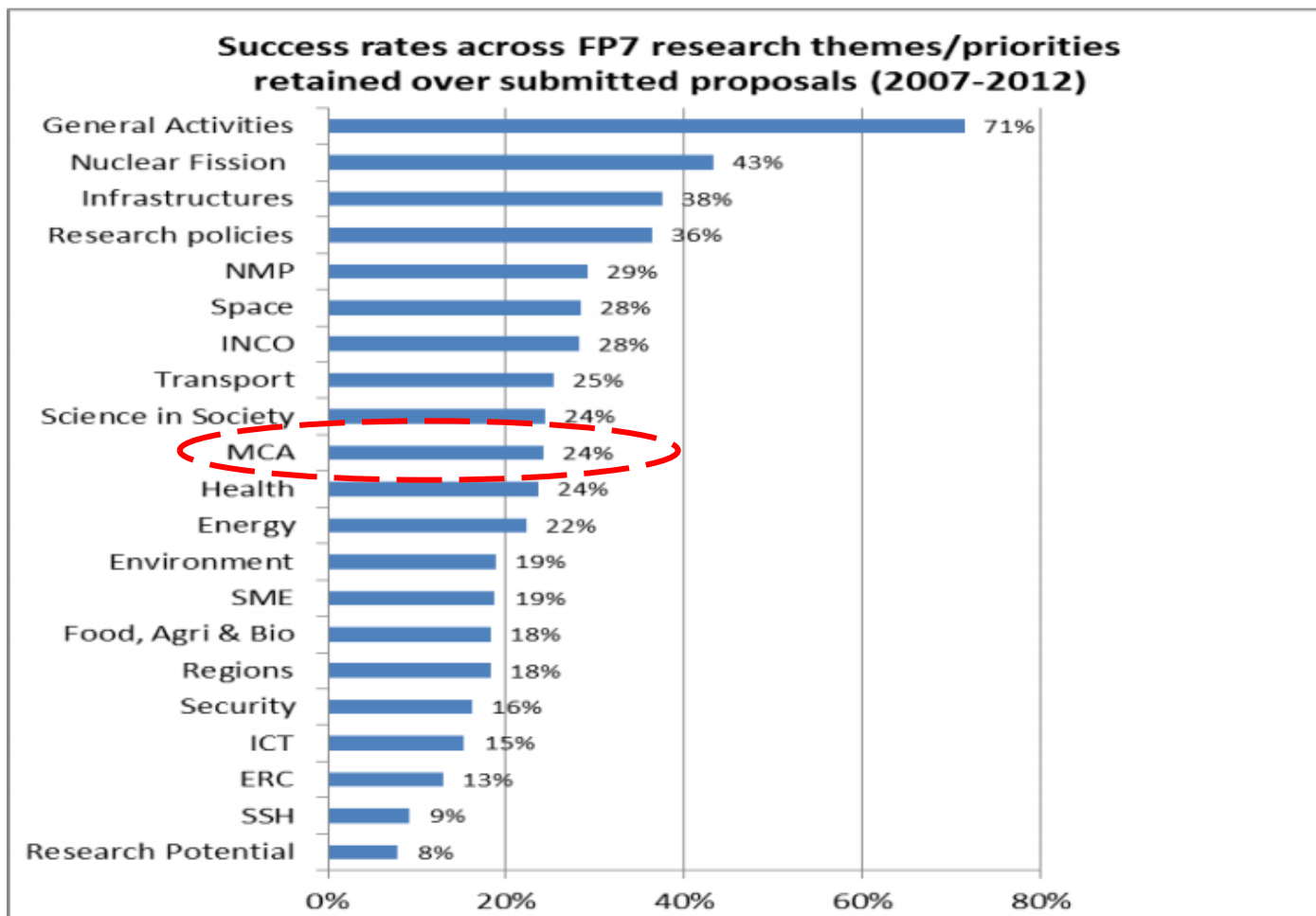
[Marie Curie Actions]

Marie Curie Action		Objective
Initial training of researchers (1900 M€)	Initial Training Networks (ITN)	Improve career perspectives of early stage researchers (ESR) in both public & private sector
Life-long training and career development (1170–1400 M€)	Intra-European Fellowships (IEF)	Career development of experienced researchers (ER) (e.g. diversification of skills/competencies; integrate a stable position after mobility)
	Career Integration Grants (CIG)	
	Co-funding of regional, national, international programmes (COFUND)	
Industry dimension (250-450 M€)	Industry-Academia Partnerships and Pathways (IAPP)	Open and foster dynamic pathways between public research organisations and private research commercial enterprises
International dimension <i>World fellowships</i> (1170–1400 M€)	International Outgoing Fellowships (IOF)	Reinforce the extra-European dimension of the European Research Area (ERA) through mobility, training, knowledge transfer and cooperation
	International Incoming Fellowships (IIF)	
	International Research Staff Exchange Scheme (IRSES)	

[Success rates]



Figure 4: Success rates across FP7 research themes /priorities 2007-2012 (Euratom Fusion and Fission are not included due to data incompleteness)





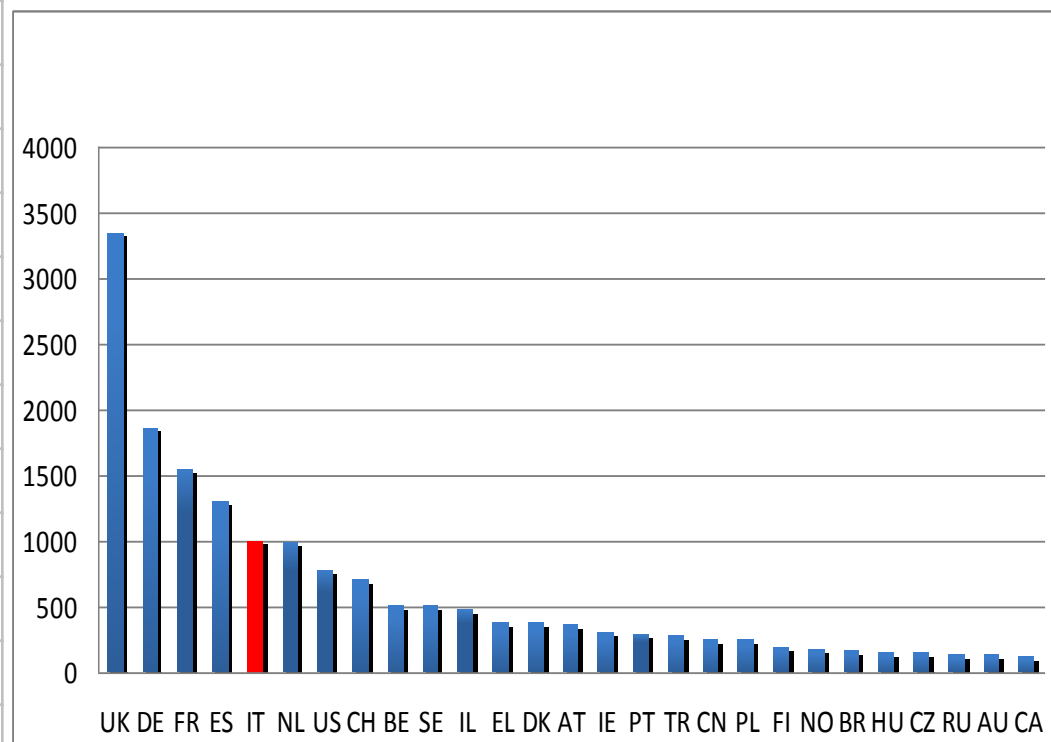
[Individual Fellowships (IxF): statistics FP7]

- More than **4 000 Marie Curie fellowship grants** have been awarded
- Fellows working in **50 countries** and representing more than **90 nationalities**
- Nearly **€780 million** allocated so far
- Average grant of around **€195 000**
- Around **37%** of the fellows are **women**
- The **leading destinations** are the U.K., the U.S., France, Germany, Switzerland, Spain, Netherlands and **Italy**

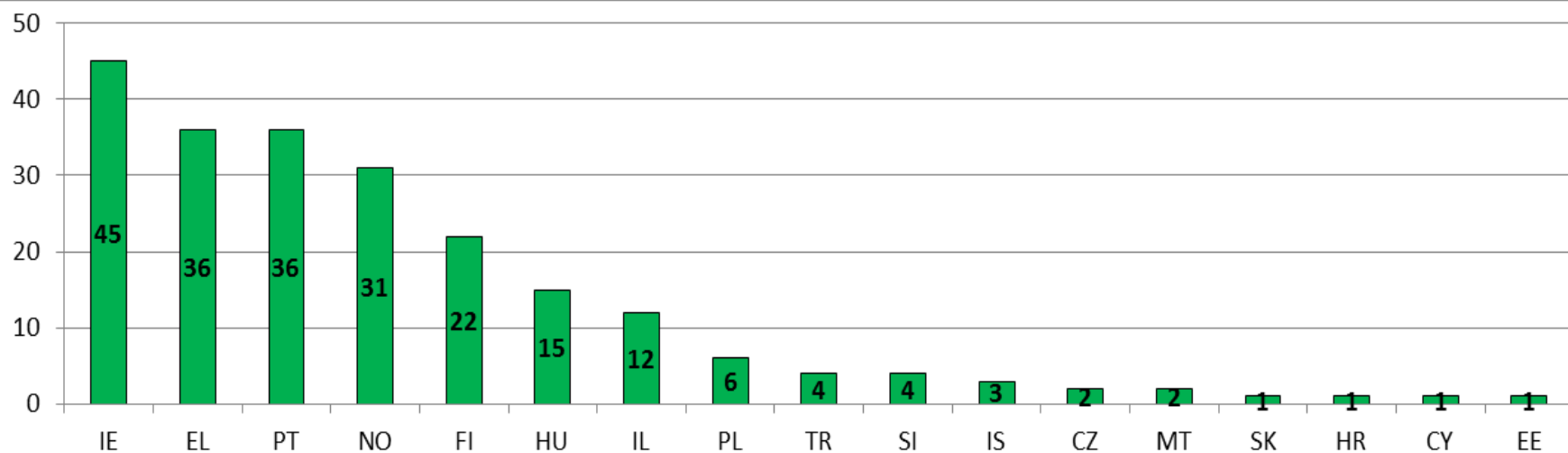
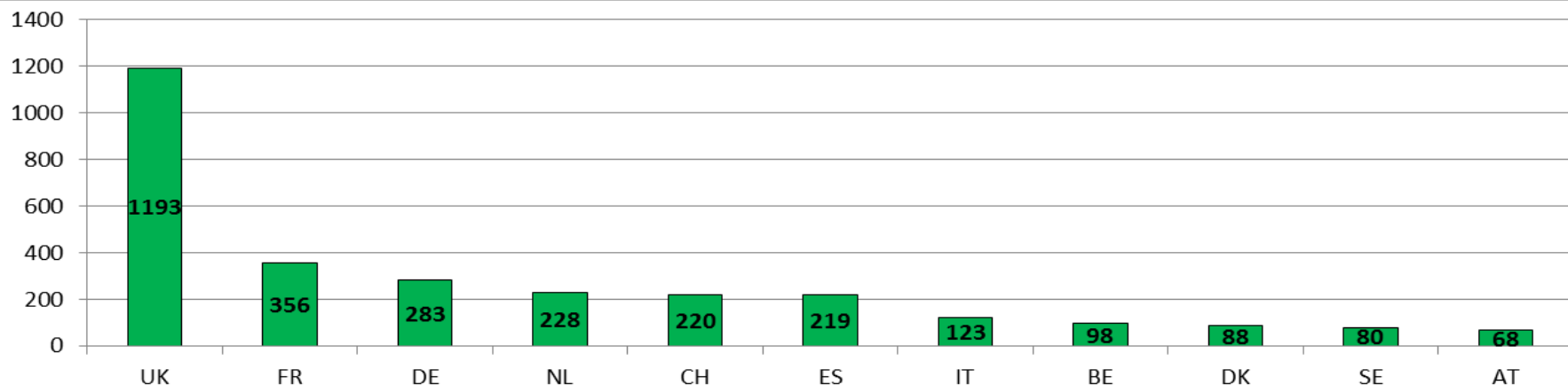


OrganisationCountry	Total Projects
UK	3345
DE	1859
FR	1545
ES	1300
IT	1004
NL	982
US	774
CH	697
BE	503
SE	496
IL	466
EL	373
DK	372
AT	363
IE	294
PT	289
TR	273
CN	244
PL	239

[FP7 PEOPLE: signed GA]

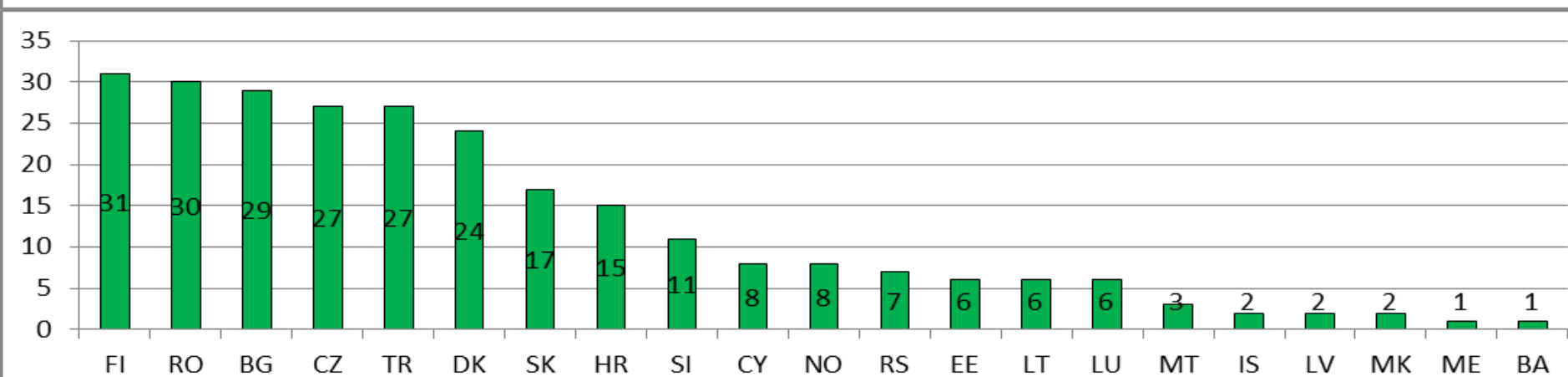
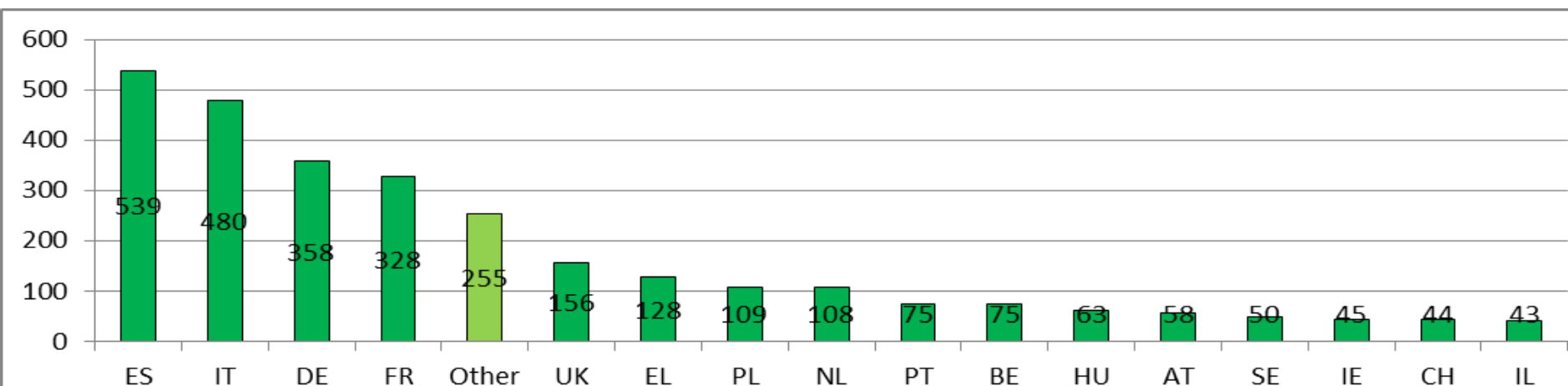


[FP7-PEOPLE-IEF 2007-2012: Host Countries]



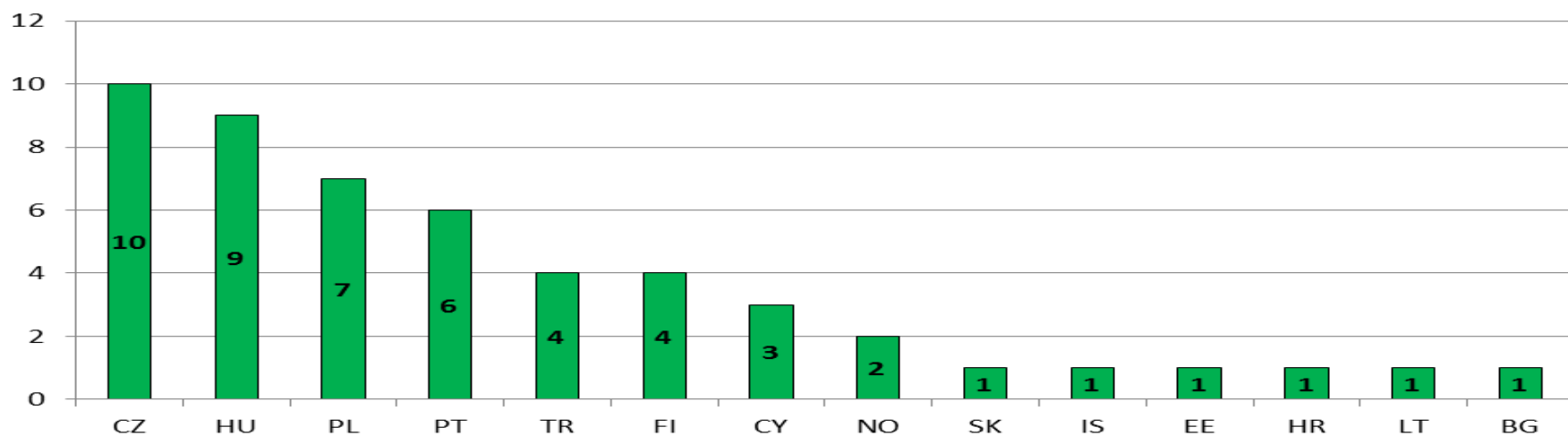
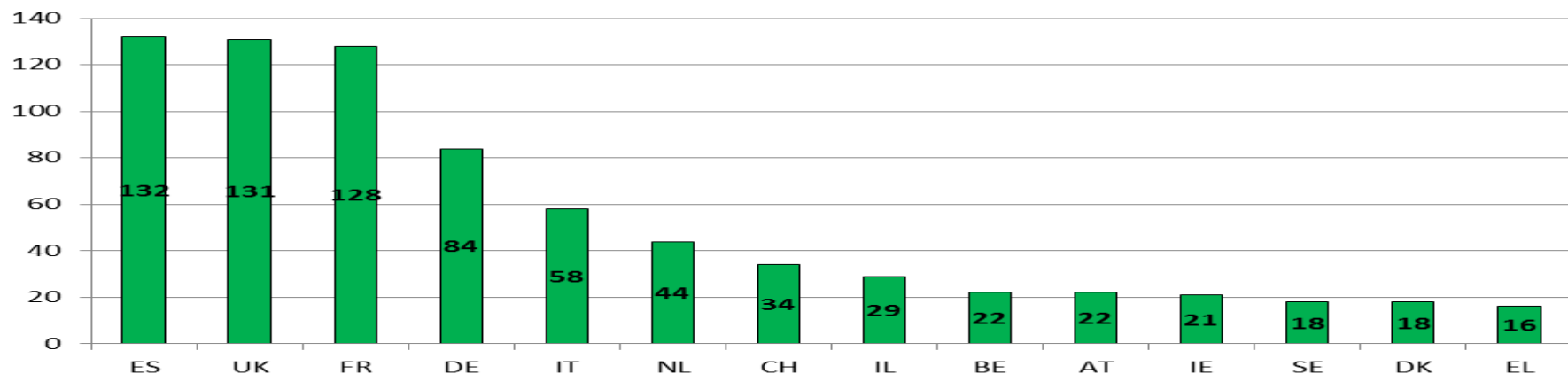


[FP7-PEOPLE-IEF 2007-2012: Researcher's Nationality]





[FP7-PEOPLE-IOF 2007-2012: Host Countries]



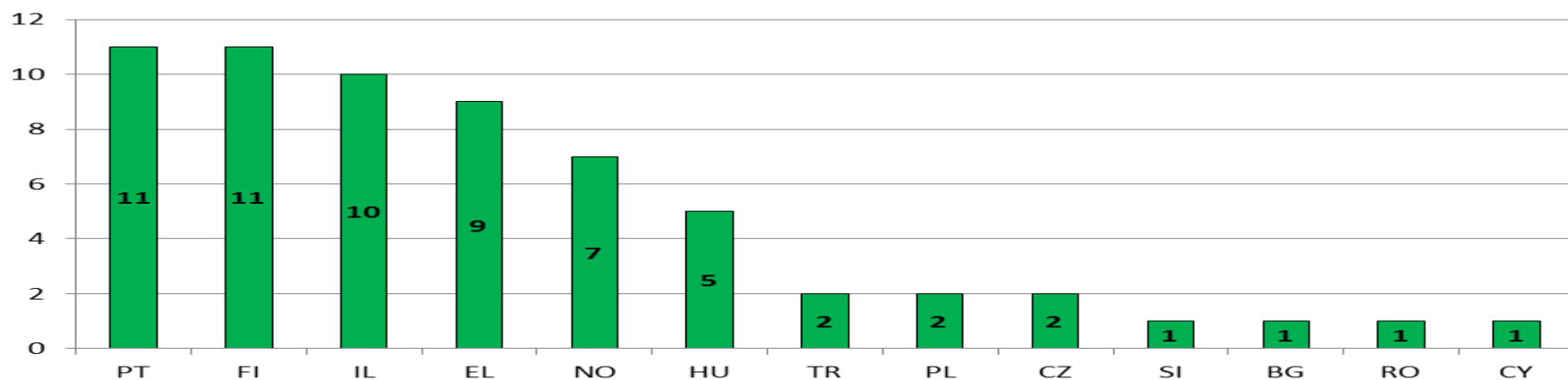
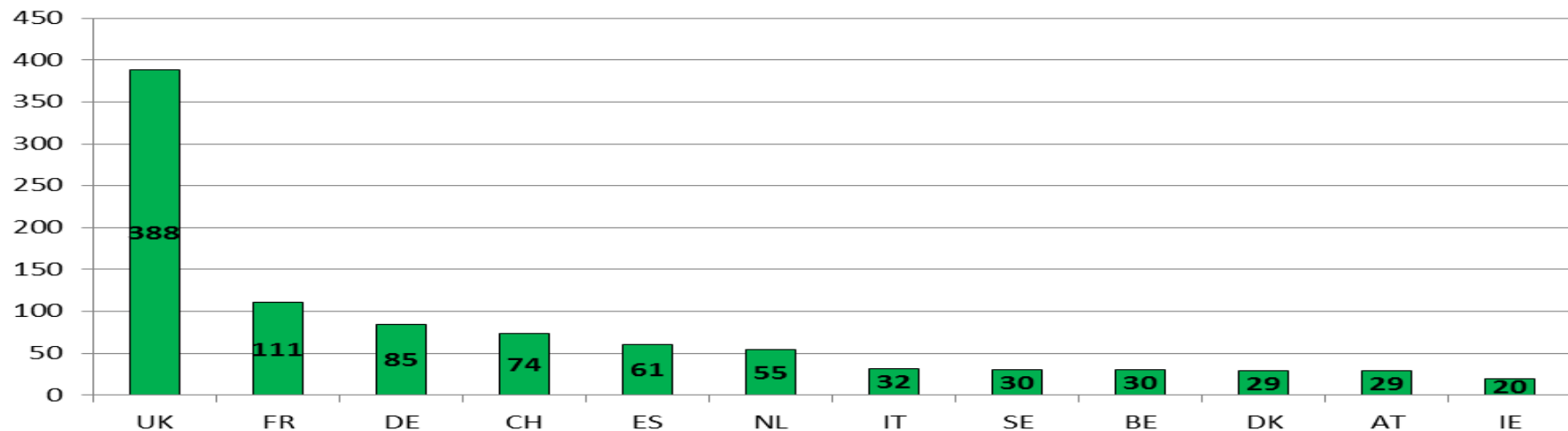


[FP7-PEOPLE-IOF 2007-2012: Researcher's Nationality]

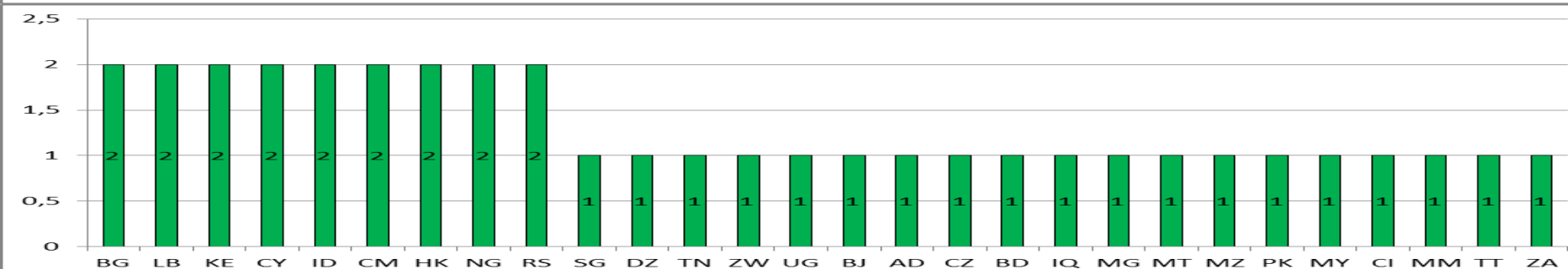
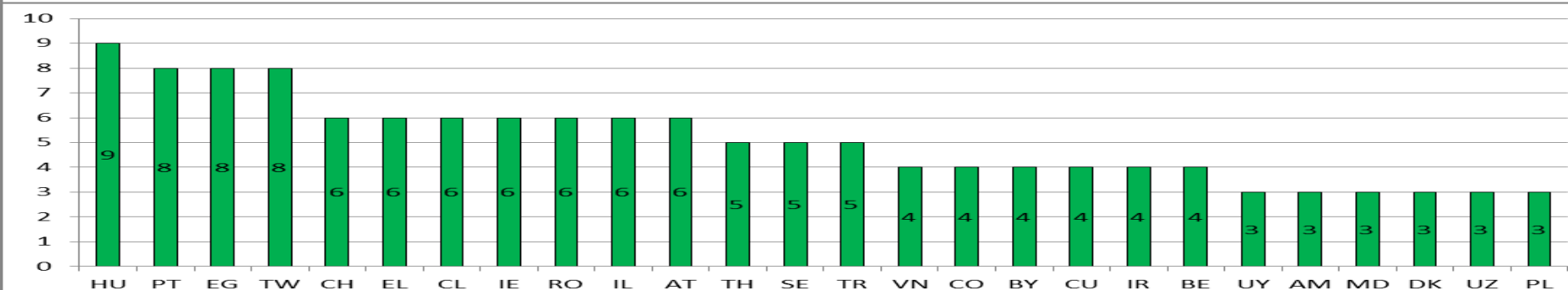
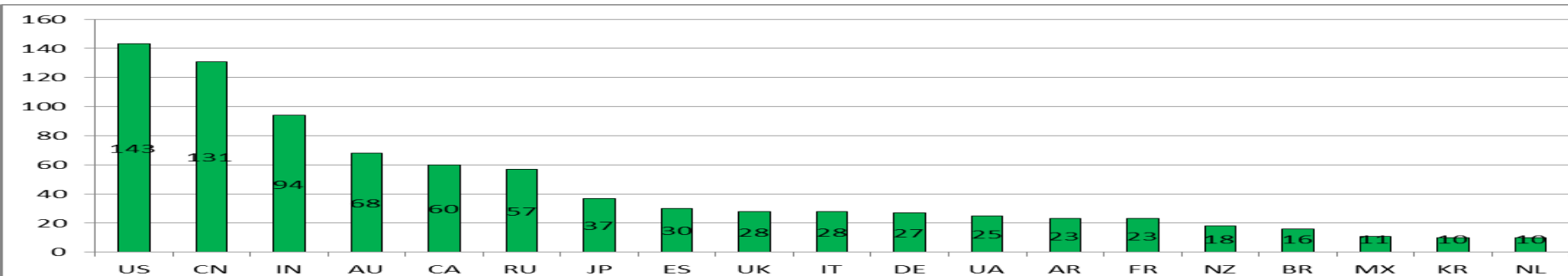




[FP7-PEOPLE-IIF 2007-2012: Host Countries]



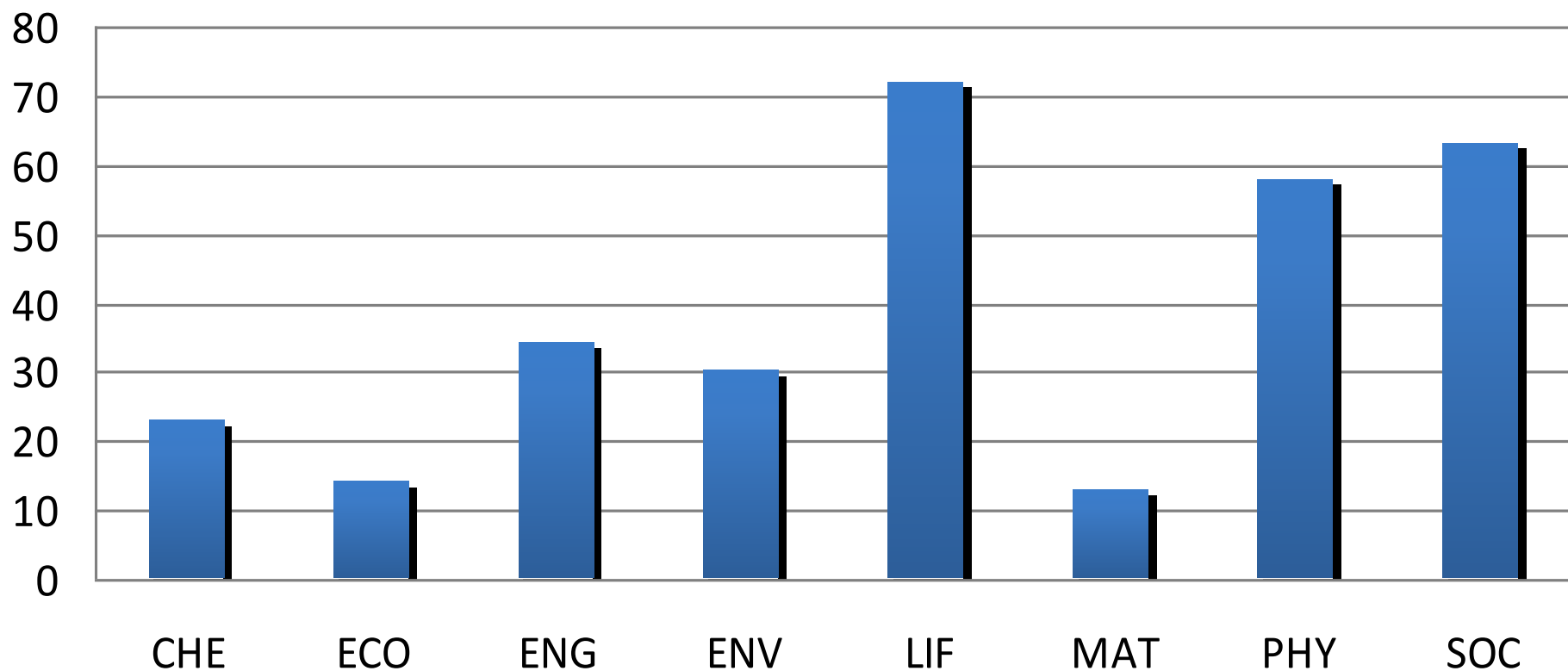
[FP7-PEOPLE-IIF 2007-2012: Researcher's Nationality]





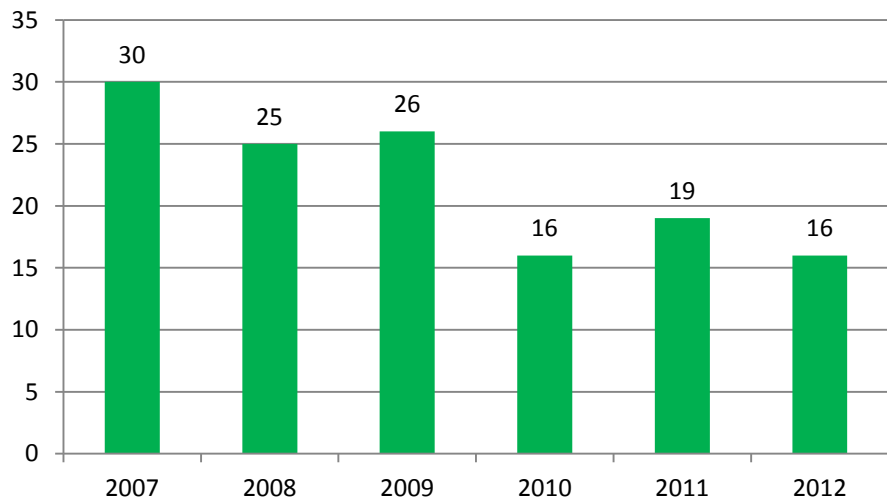
[Scientific panels: Italy]

FP7-PEOPLE-IxF (IEF+IOF+IIF+CIG+ERG+IRG)

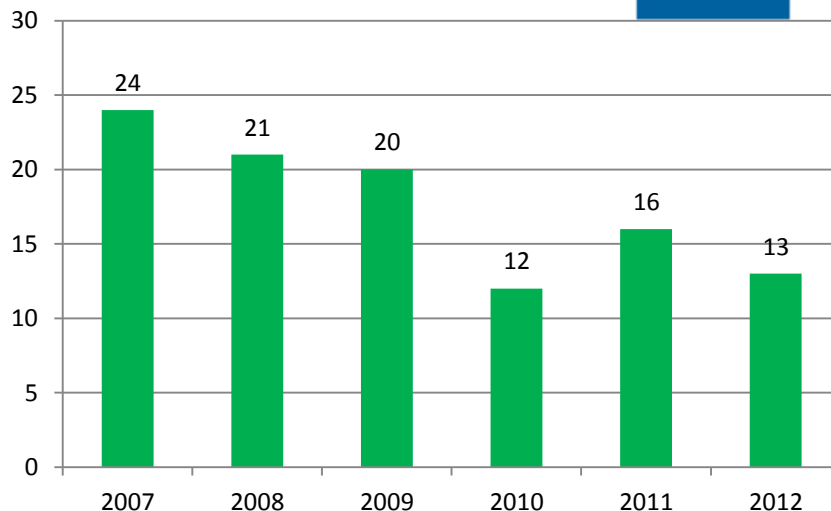


[FP7 PEOPLE: IXF success rates]

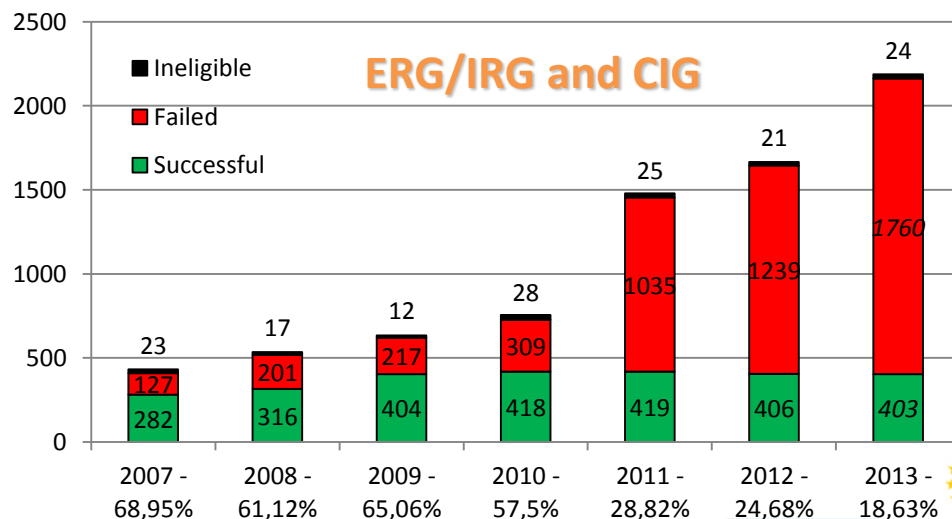
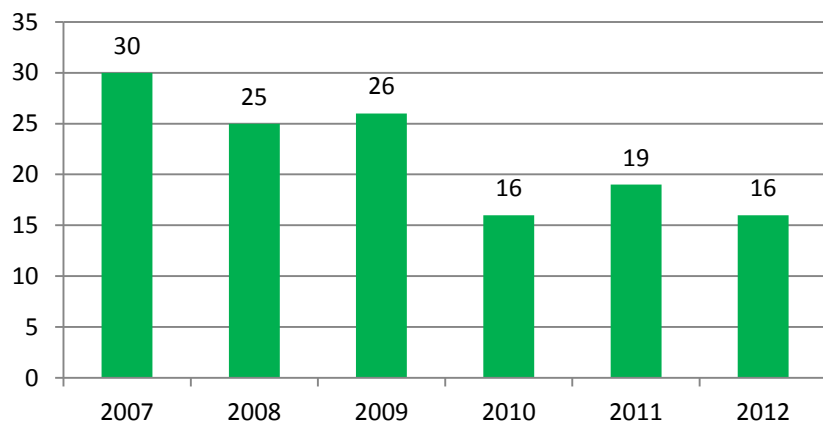
IEF 2007-2012 Success Rates %



IIF 2007-2012 Success Rates %



IOF 2007-2012 Success Rates %



[Horizon 2020]

Excellent Science

- **European Research Council**
 - Frontier research by the best individual teams
- **Future and Emerging Technologies**
 - Collaborative research to open new fields of innovation
- **Marie Skłodowska Curie actions**
 - Opportunities for training and career development
- **Research infrastructures** (including e-infrastructure)
 - Ensuring access to world-class facilities

Industrial Technologies

- **Leadership in enabling and industrial technologies**
 - ICT, nanotechnologies, materials, biotechnology, manufacturing, space
- **Access to risk finance**
 - Leveraging private finance and venture capital for research and innovation
- **Innovation in SMEs**
 - Fostering all forms of innovation in all types of SMEs

Societal Challenges

- **Health, demographic change and wellbeing**
- **Food security, sustainable agriculture, marine and maritime research & the bioeconomy**
- **Secure, clean and efficient energy**
- **Smart, green and integrated transport**
- **Climate action, resource efficiency and raw materials**
- **Inclusive, innovative and reflective societies**
- **Security society**

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

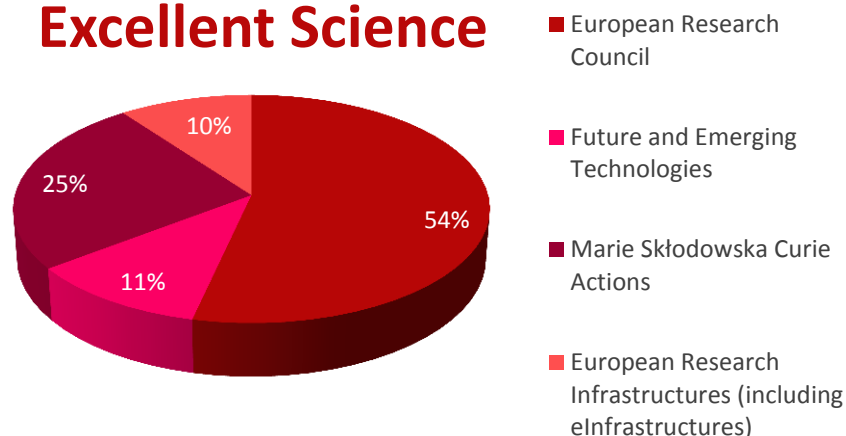
Science with and for society

Joint Research Center (JRC)

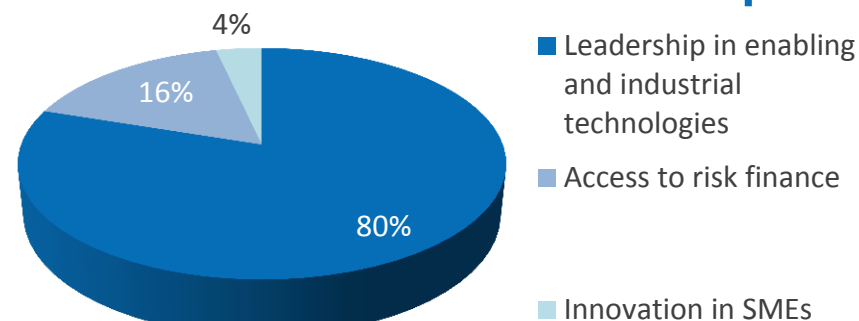


Budget for each activity

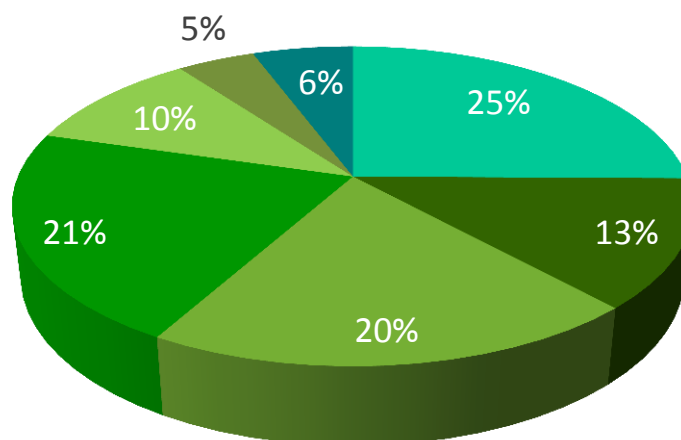
Excellent Science



Industrial Leadership



Societal challenges



- Health, demographic change and wellbeing
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy:
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, environment, resource efficiency and raw materials
- inclusive, innovative and reflective Societies
- Secure Societies



[Shift in focus and redefined priorities]

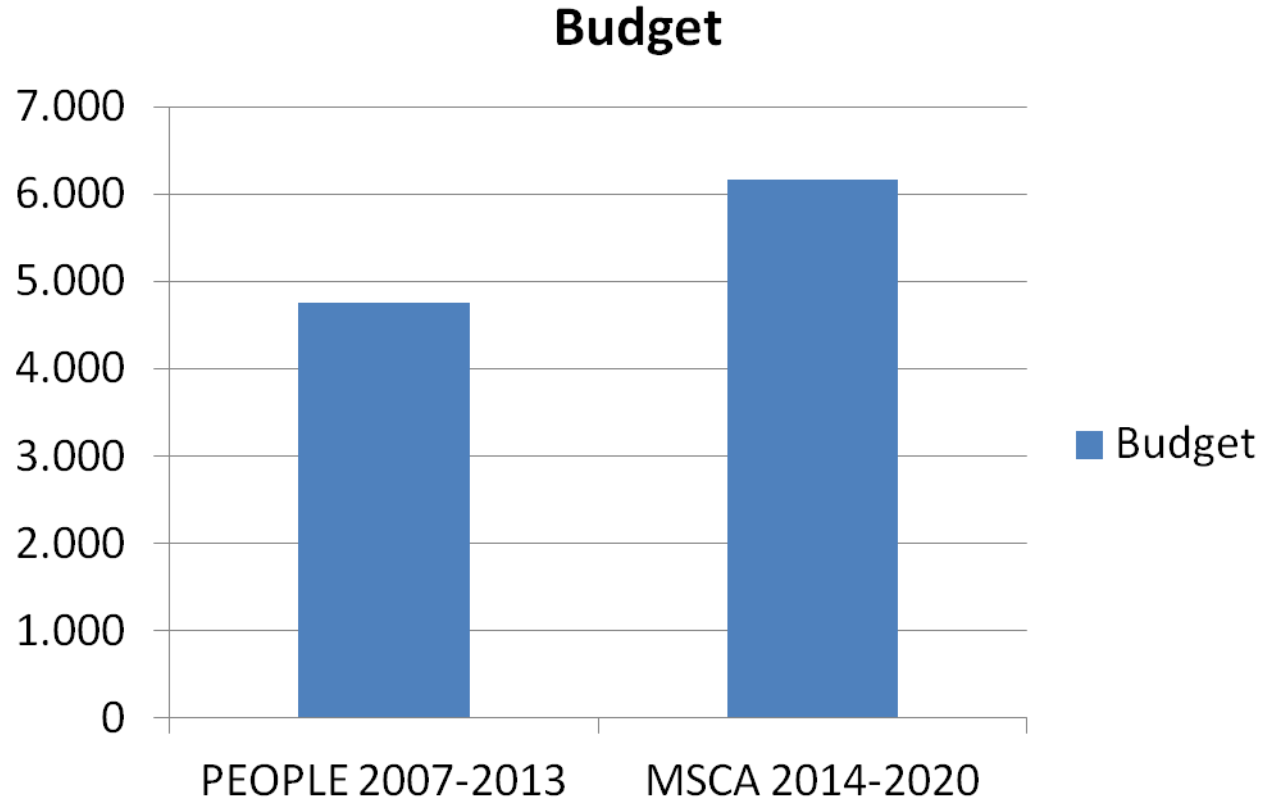
"Marie Skłodowska-Curie actions" shall provide **excellent** and **innovative** research **training** as well as attractive career and **knowledge-exchange** opportunities through **cross-border** and **cross-sector** **mobility** of researchers to best prepare them to face current and future **societal challenges.**"

Regulation (EU) No 1291/2013 of the European Parliament and of the Council of 11 December 2013, Part 1.c

Excellent
Innovative
Training
Knowledge
exchange
Cross-border
Cross-sector
Mobility
Societal challenges



[H2020: slightly higher budget]



PEOPLE 2007-2013: 4 750 million €

MSCA 2014-2020: 6 162 million €



[New and simplified definitions]

What is new in H2020

NEW! Academic sector: public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations

NEW! Non-academic sector: any socio-economic actor not included in the academic sector definition

NEW! Staff members in RISE: researchers, managers, administrative and technical personnel supporting research and innovation activities of the project

What stays the same

Beneficiaries => signatories of the grant agreement (with the Eur. Commission)

Partner organisations => not signing the grant agreement (but commit to beneficiaries)

Categories of researchers: **ESR** and **ER** – in line with FP7 approach

Full time research equivalent and **mobility** rule – following FP7 approach

[MSCA]



MSCA Objective

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

Budget 2014-2020: 6 162 million €



[Key features]

- Open to all domains of **research and innovation** from basic research up to market take-up and innovation services
- Entirely **bottom-up**
- Participation of **non-academic sector** strongly encouraged, especially industry and SMEs
- **Mobility** as the key requirement - funding on condition participants move from one country to another
- Particular attention to **gender** balance
- **Public engagement** of supported researchers



[Definitions]

- ✓ **Academic sector:** public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations
- ✓ **Non-academic sector:** any socio-economic actor not included in the academic sector definition
- ✓ **Beneficiaries** => signatories of the grant agreement
- ✓ **Partner organisations** => not signing the grant agreement
- ✓ Categories of researchers: **ESR** and **ER** – in line with FP7 approach
- ✓ **Full time research equivalent** and **mobility** rule – following FP7 approach
- ✓ **Staff members** in RISE: researchers, managers, administrative and technical personnel supporting research and innovation activities of the project



[Bottom-up approach]

Research fields are freely chosen by the applicants, except:

- research activity aiming at human cloning for reproductive purposes
- research activity intended to modify the genetic heritage of human beings which could make such changes heritable
- research activities intended to create human embryos solely for the purpose of research or for the purpose of stem cell procurement, including by means of somatic cell nuclear transfer
- areas of research covered by the EURATOM Treaty



[MSCA]





Marie Skłodowska-Curie Individual Fellowships: le tipologie di finanziamento individuale



[Individual Fellowships (IF)]

Objective

- ✓ enhance the creative and innovative potential of experienced researchers
- ✓ provide opportunities to acquire new knowledge, work on research projects in a European context or outside Europe, resume a career or return to Europe

Scope

- ✓ Individual, trans-national fellowships awarded to the best or most promising researchers
- ✓ European Fellowships or Global Fellowships
- ✓ Career Restart Panel and Reintegration Panel

Expected Impact

- ✓ release the full potential of researchers and to catalyse significant development in their careers in both the academic and non-academic sectors
- ✓ strengthen the contact network of the researcher and the host organisation





[Individual Fellowships (IF)]

- ✓ This action provides financial support for individual **experienced researchers** who want to work in **host organisations** established in **EU Member States (MS) or Associated Countries AC**.
- ✓ The **Global Fellowship** option also includes an initial period spent in a **partner Partner organisation located outside of Europe MS or AC**.





[Individual Fellowships (IF)]

Proposals for IFs involve a *single* host organisation (future beneficiary) established in a MS or AC.

The project proposals are submitted by the **host organisation**, which is represented by the **supervisor**, *in liaison* with the **researcher**.

Only the supervisor (from the host organisation as future beneficiary) can submit the proposal.

It is important to note that the Experienced Researcher (future fellow) and the supervisor must be two different people.



Individual Fellowship

European Fellowship

Career Restart Panel

Reintegration Panel

Global Fellowship

Any Experienced Researcher may submit only one proposal to this call for proposals



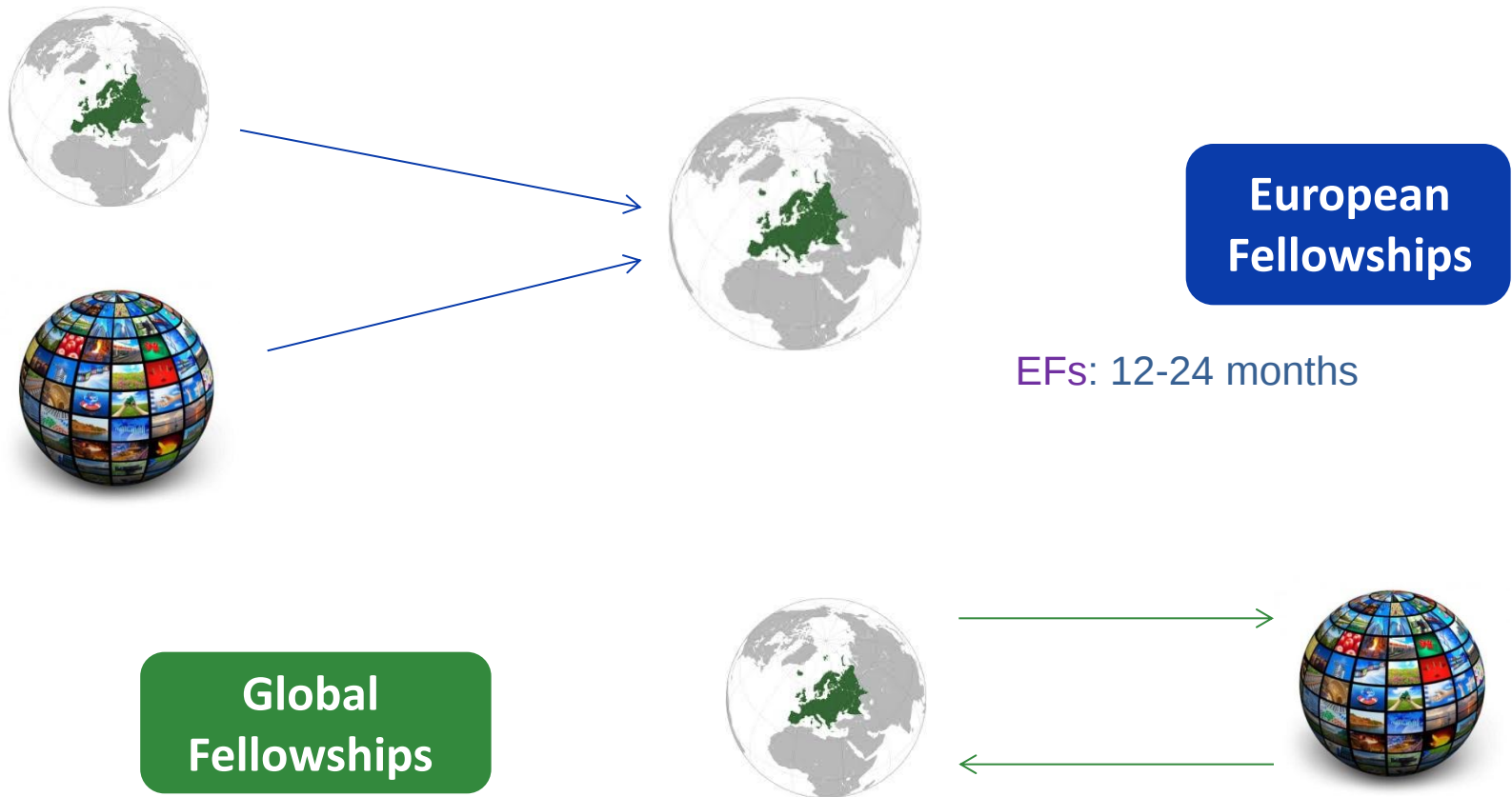
[IF – Main features]

- ✓ **Budget:** € 240.50 Million in 2014 (Global Fellowships: 29 Mio)
€ 213 Million in 2015 (Global Fellowships: 27 Mio)
- ✓ Duration of projects: 2 years (IF Global: 3 years)
- ✓ Support to **experienced researchers** of **any nationality** (IF Global and IF Reintegration: nationals of EU MS/AC and long-term residents)
- ✓ Focus on **career development**, not necessarily experience
- ✓ Additional 3 or 6 month **secondment option**, within Europe and in another sector
- ✓ Separate multidisciplinary **panels for CAR and Reintegration**
- ✓ Same award sub-criteria for all proposals



[IF – European and Global]

Any experienced researcher may submit only one proposal to the Marie Skłodowska-Curie Individual Fellowships 2014 call for proposals



GFs: 12-24 months for the outgoing phase plus
12 month return phase in Europe



[IF – Participants]

Beneficiary

- ✓ Beneficiary is the host organisation that not only recruits, supervises and assures the training of the researcher, but also appoints the scientist in charge. The Beneficiary signs the grant agreement, receives funding, claims costs and takes complete responsibility for executing the proposal.

Partner Organisations

- ✓ Partner organisations are institutions that provide additional training and host the researcher during secondments. The partner organisations **do not recruit any researchers** and **do not sign the grant agreement**. As such partner organisations **cannot directly claim any costs from the action**



[Minimum country participation in an IF]

	Beneficiaries	Partner organisations
European Fellowship	<u>Obligatory</u> : 1 beneficiary in MS or AC	<i>Optional: partner organisation(s) in MS or AC</i>
Global Fellowship	<u>Obligatory</u> : 1 beneficiary in MS or AC	<u>Obligatory</u> : 1 partner organisation in TC <i>Optional: partner organisation(s) in MS or AC</i>



[European Fellowships (EFs)]

Proposals are allocated for evaluation either to one of the 8 main scientific panels or to one of the 2 multidisciplinary panels "Career Restart Panel (CAR)" and "Reintegration Panel" (RI).

Chemistry (CHE)

Physics (PHY)

Social Sciences and Humanities (SOC)

Mathematics (MAT)

Information Science and Engineering (ENG)

Life Sciences (LIF)

Environment and Geosciences (ENV)

Economic Sciences (ECO)



[European Fellowships (EFs)]

Career restart panel (CAR):

- to resume research in Europe after a career break, e.g. after parental leave, is ensured via a separate multi-disciplinary career restart panel of the European Fellowships.
- To qualify for the career restart panel, researchers must not have been active in research for at least 12 months immediately prior to the deadline for submission

Multidisciplinary panel



[Individual Fellowships - IF]

Reintegration Panel (RI):

- The researcher must be a **national or long-term resident of the MS or AC.**

Long-term residents are researchers who spent a period of full-time research activity of at least 5 consecutive (without breaks in research) years in one or more MSs or ACs.

- The researcher must **move or have moved** (transnational mobility) **from a TC to the MS or AC** where the beneficiary is located.

- **RI mobility rule:** the researcher must not have resided or carried out the main activity (work, studies, etc.) in the country of his/her host organisation for more than 36 months in the 5 years immediately prior to the deadline for submission of proposals

Multidisciplinary panel



[Global Fellowships (GFs)]

Proposals are allocated for evaluation either to one of the 8 main scientific panels

Chemistry (CHE)

Physics (PHY)

Social Sciences and Humanities (SOC)

Mathematics (MAT)

Information Science and Engineering (ENG)

Life Sciences (LIF)

Environment and Geosciences (ENV)

Economic Sciences (ECO)



[Letter of commitment- GF]

Each partner organisation in a TC must **include an up-to-date letter of commitment in Part B of the proposal** to demonstrate its real and active participation in the proposed action and its precise role should also be clearly described in the proposal.



[Mandatory return phase- GF]

The mandatory return phase for the researcher (*future fellow*) in the European host organisation is essential for the successful achievement of the objectives of this action.

In case of non-fulfilment of this condition, **the host organisation has to reimburse the total amount** received from the REA for the benefit of the researcher under the Grant Agreement.

If the non-fulfilment of the return period lies with the researcher, the host organisation must take all appropriate measures (including legal action) to recover from the researcher the total amount received for her/his benefit under the Grant Agreement, in order to reimburse this amount to the REA.



[Mandatory return phase- GF]

The mandatory return phase for the researcher (*future fellow*) in the European host organisation is essential for the successful achievement of the objectives of this action.

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If the non-fulfilment of the return period lies with the researcher, the host organisation must take all appropriate measures (including legal action) to recover from the researcher the total amount received for her/his benefit under the Grant Agreement, in order to reimburse this amount to the REA.



[Secondments]

During the implementation of the IF the Experienced Researcher may be seconded to another institution in Europe. Such secondments must significantly **contribute to the impact** of the fellowship and therefore in certain research fields would be expected to take place in the **non-academic sector**.

The organisation where the secondment takes place is a partner organisation and must be located **in the Member States or Associated Countries**.

Duration of the fellowship	Maximum duration of secondment
≤ 18 months	3 months
> 18 months	6 months

The secondment phase can be a single period or divided into shorter mobility periods



[Financial Aspects]

	Researcher unit cost in EUR person/month			Institutional unit cost in EUR person/month	
	Living* Allowance	Mobility Allowance	Family Allowance	Research, training and networking costs	Management and indirect costs
Individual Fellowships	4,650*	600	500	800	650

** The country correction coefficients that will be applied are indicated in Table 4 in Part 3 of the Work Programme*

The financial support for Marie Skłodowska-Curie IFs takes the form of a grant covering up to 100% of the costs.



[Examples of Individual Fellowships]

A French researcher without family obligations who obtained her PhD in France on 15 June 2013 in Chemistry applies jointly with a university in Germany for a 24-month fellowship in the CHE panel. In the last 3 years she was in Germany for 5 months. Part B provides for a secondment split in 2 periods of each 2 months at an industrial partner in Ireland.

The budget calculation would be like this:

Total duration= 24 months (person-months)

Country of the host organisation= Germany

1. Living allowance =€ 4,650 x 24 x DE Country Correction Coefficient (CCC)

=€ 4,650 x 24 x 98.8%

=€ 110,260.80

2. Mobility allowance =€ 600 x 24=€ 14,400

3. Family allowance = N/A

4. Research, training and networking costs =€ 800 x 24=€ 19,200

5. Management and indirect costs =€ 650 x 24=€ 15,600

Maximum EU contribution =€ 110,260.80 + 14,400 + 19,200 + 15,600

=€ 159,460.80



[Award criteria: IF]

Excellence	Impact	Implementation
Quality, innovative aspects and credibility of the research (including inter/multidisciplinary aspects)	Enhancing research- and innovation-related human resources, skills and working conditions to realise the potential of individuals and to provide new career perspectives	Overall coherence and effectiveness of the work plan , including appropriateness of the allocation of tasks and resources
Clarity and quality of transfer of knowledge/training for the development of researcher in light of the research objectives	Effectiveness of the proposed measures for communication and results dissemination	Appropriateness of the management structures and procedures , including quality management and risk management
Quality of the supervision and the hosting arrangements		Appropriateness of the institutional environment (infrastructure)
Capacity of the researcher to reach or re-enforce a position of professional maturity in research		Competences, experience and complementarity of the participating organisations and institutional commitment



[Call deadlines 2014-2015]

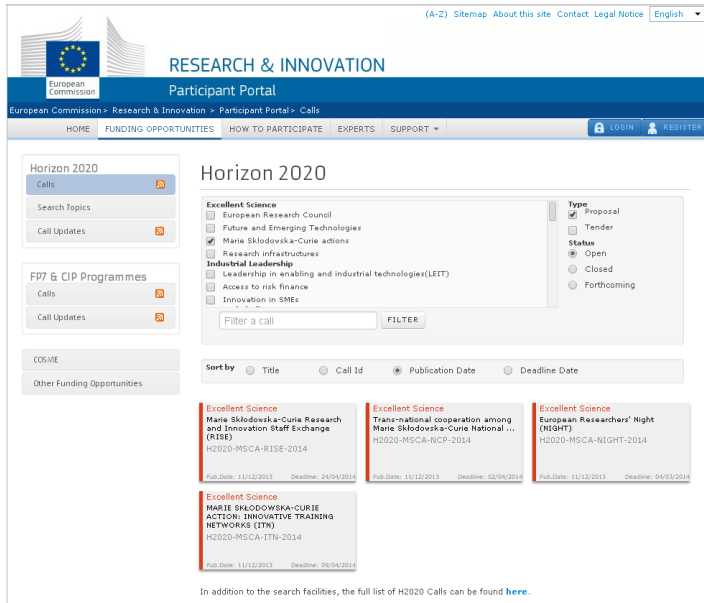
Call ID	Call Opens	Call Deadline	Budget (Mio EUR)
H2020-MSCA-IF-2014	12-03-2014	11-09-2014	240.50
H2020-MSCA-IF-2015	12-03-2015	10-09-2015	213.00



[Indicative timetable]

Publication of call	<i>12 March 2014</i>
Deadline for submission of proposals	<i>11 September 2014 at 17:00:00, Brussels local time</i>
Evaluation of proposals	<i>October - November 2014</i>
Information on the outcome of the evaluation	<i>February 2015</i>
Indicative date for the signing of Grant Agreements	<i>May 2015</i>

Links



The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' for the European Commission. It features a navigation bar with links like 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', and 'SUPPORT'. The main content area is titled 'Horizon 2020' and includes a sidebar with 'Calls', 'Search Topics', and 'Call Updates'. The central part displays a list of funding opportunities, including 'Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)', 'Marie Skłodowska-Curie National ...', and 'European Researchers' Night (NIGHT)'. Each entry shows the publication date and deadline.

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>



The screenshot shows the 'HORIZON 2020 The EU Framework Programme for Research and Innovation' website. It features a navigation bar with links like 'Home', 'What is Horizon 2020?', 'Find Your area', 'How to Get funding?', 'News & Events', 'Multimedia & Publications', and 'Project Stories'. The main content area is titled 'Marie Skłodowska-Curie actions' and includes a section for 'Get funding' with a list of funding opportunities, including 'Marie Skłodowska-Curie Action: Innovative Training Networks (ITN)', 'European Researchers' Night (NIGHT)', 'Trans-national cooperation among Marie Skłodowska-Curie National Contact Points (NCP)', and 'Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)'. Each entry shows the publication date and deadline.

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/marie-sk%C5%82odowska-curie-actions>



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