



H2020

Excellent science

Marie Skłodowska-Curie Actions

Innovative Training Networks 2015

Programme Overview

Information Day
15 October 2014, Paris

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Research Executive Agency



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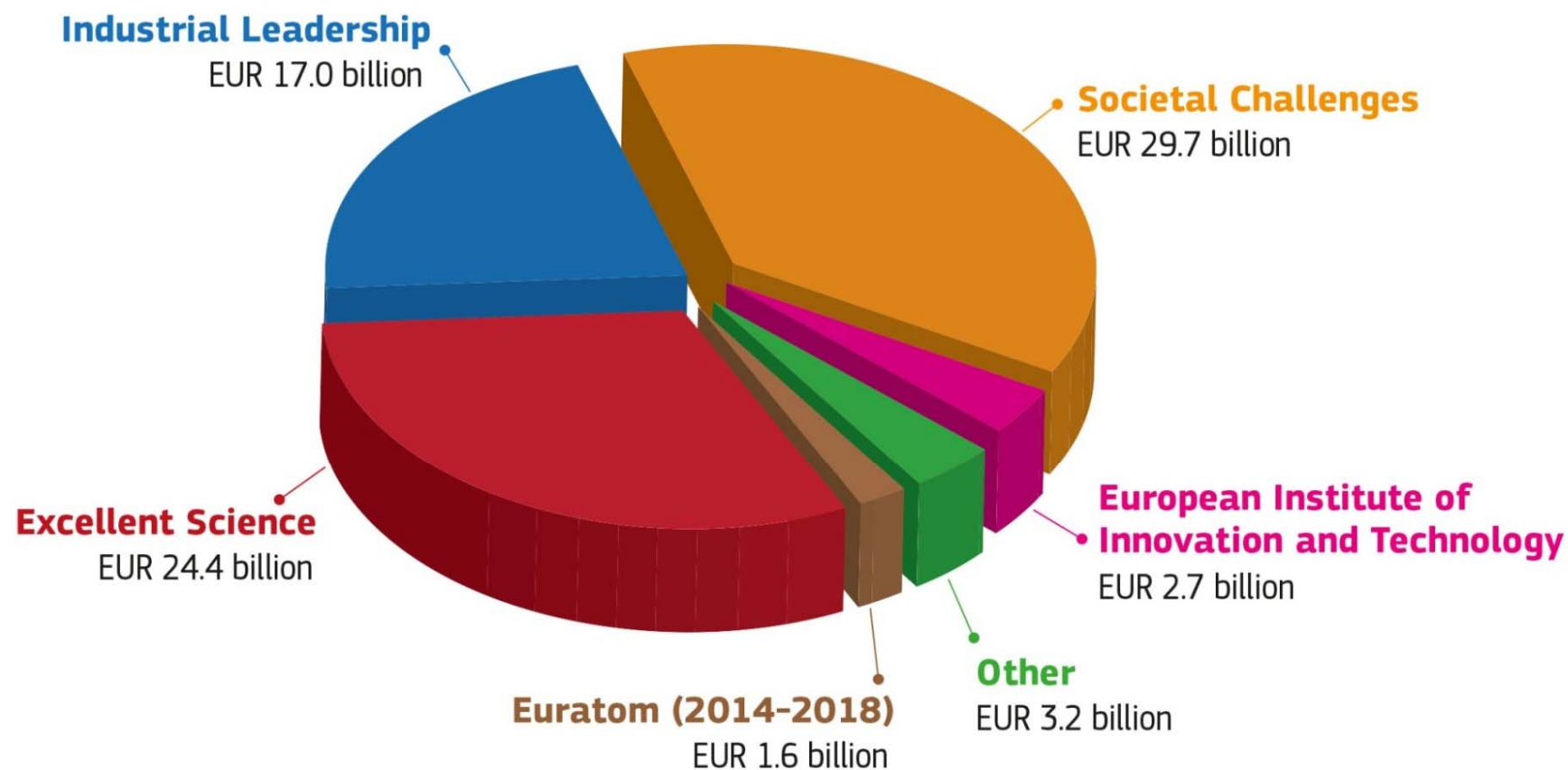
1. H2020 and the REA
2. Marie Skłodowska-Curie Actions
3. Innovative Training Networks
4. French Participation



H2020 and the REA

HORIZON 2020 BUDGET (in current prices)

Total: EUR 78.6 billion





Excellent science

European Research Council	€ 13.1 B
Future and Emerging Technologies	€ 2.7 B
Marie-Skłodowska-Curie Actions	€ 6.1 B
European research infrastructures (including eInfrastructures)	€ 2.5 B

H2020 vs. FP7



1. Simpler programme structure
2. A single set of rules for all funding
3. Simpler reimbursement
4. Faster time to grant
 - ✓ Within 8 months (5+3) from the call deadline
5. Fewer, better targeted checks and audits
6. Single set of IT tools

Main REA tasks

Manage parts of the EU's R&I programmes
FP7 (2007-13)
Horizon 2020 (2014-20)

Common logistical and administrative services
Evaluation logistics
Contracting and paying experts
Participant validation
H2020 Helpdesk

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



REA services in key figures (2013)

12,072 proposals evaluated
17,236 experts served
2,825 financial viability checks
4,524 entities validated
7,129 running projects





Marie Skłodowska-Curie Actions (MSCA)

Objectives



career development and training of researchers
– **with a focus on innovation skills** –
in all scientific disciplines
through international and intersector mobility



MSCA actions

Innovative Training Networks (ITN) - Innovative doctoral-level training providing a range of skills in order to maximise employability

Individual Fellowships (IF) - Support for experienced researchers undertaking mobility between countries, and also to the non-academic sector

Research and Innovation Staff Exchange (RISE) - International and intersectoral collaboration through the exchange of research and innovation staff

Co-funding of regional, national and international programmes (COFUND) - Co-financing high-quality fellowship or doctoral programmes with transnational mobility

*The Coordination and Support Action European Researchers' Night (**NIGHT**), funded under the MSCA, is a Europe-wide public event to stimulate interest in research careers, especially among young people.*



European
Commission

Marie Skłodowska-Curie Actions



ITN Innovative Training Networks

What does it offer?

High-quality research training delivered through international and interdisciplinary networks, industrial doctorates or joint doctorates

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers at doctoral level (less than four years of full-time research experience and no doctoral degree)

Call details:

Opened: 2 September 2014
Closes: 13 January 2015
at 17.00.00 Brussels time
Budget: € 370 million



IF Individual Fellowships

What does it offer?

Opportunities to work on personal research projects by moving between countries and possibly sectors to acquire new skills

Who applies?

Individual researchers together with the host organisation

Who is funded?

Postdoctoral researchers

Call details:

Opens: 12 March 2015
Closes: 10 September 2015
at 17.00.00 Brussels time
Budget: € 215 million



RISE Research and Innovation Staff Exchange

What does it offer?

The exchange of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers, technical, administrative and managerial staff of any nationality and at all career levels

Call details:

Opens: 6 January 2015
Closes: 28 April 2015
at 17.00.00 Brussels time
Budget: € 80 million



COFUND Co-Funding of Regional, National and International Programmes

What does it offer?

Regional, national or international programmes to foster excellence in researchers' training, mobility and career development

Who applies?

Organisations funding or managing doctoral programmes or fellowship programmes

Who is funded?

Researchers at doctoral and postdoctoral level

Call details:

Opens: 14 April 2015
Closes: 1 October 2015
at 17.00.00 Brussels time
Budget: € 80 million



ITN



Innovative Training Networks

**Support for early-stage/doctoral
research training through:**

- **European Training Networks (ETN)**
- **European Industrial Doctorates (EID)**
- **European Joint Doctorates (EJD)**



ITN Objectives

- Train innovative early-stage researchers
- Excellence in doctoral/early-stage research training
- Provide skills to match public and private sector needs



ITN Expected impact

- Improved career perspectives of researchers
- Structured high-quality research / doctoral training
- Collaboration academia with non-academic sectors

ITN Features (1)



- ✓ **Excellence:** international network of organisations proposing a joint research training or doctoral programme
- ✓ **Bottom-up** (no pre-defined topics)
- ✓ **All domains*:** CHE, ECO, ENG, ENV, LIF, MAT, PHY, SOC
- ✓ **Multidisciplinary** approach
- ✓ Meaningful exposure to **non-academic sector**

ITN Features (2)

- ✓ Strong **networking** within the consortium
- ✓ **Mobility** across countries /disciplines
- ✓ **Career guidance** arrangements
- ✓ **Supervisory Board**
- ✓ Project duration typically **48 months**
- ✓ only for **Early Stage Researchers**



ITN typical activities

- **Core activity: Training through individual research projects**
- Network-wide training activities (e.g. seminars, workshops, summer schools).
- Training in key transferable skills (e.g. entrepreneurship, management, IPR, communication, ethics, grant writing).
- Collaboration and exchange of knowledge within the network
- Communication & Dissemination
- Public engagement

TRAINING



Who applies?

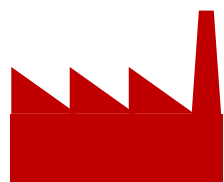
International networks of organisations
actively involved in research/doctoral training

Two categories of organisations



Academic sector

- ✓ public /private higher education establishments awarding academic degrees
- ✓ public /private non-profit research organisations whose primary mission is to pursue research
- ✓ international European interest organisations (e.g. CERN, EMBL)



Non-academic sector

- ✓ any entity not included in the academic sector:
- ✓ e.g. large companies, SMEs, NGOs, museums, hospitals
- ✓ international organisations (e.g. UN, WHO)

**Standardised legal validation of entities is applied
to determine the domain of each participant**

Which roles?

Beneficiary vs. Partner Organisation

Signs Grant Agreement	✓	✗
Recruits and Hosts Researchers	✓	✗
Trains/Hosts Researchers on secondment	✓	✓
Participates in Supervisory Board	✓	✓
Directly Claims Costs	✓	✗



EU funding



Research
Executive
Agency

Who can be recruited?

Researcher-months requested in proposal
Recruitment after the project starts.

Only **Early-Stage Researchers (ESRs)**:

- ☐ ≤ 4 years of research experience
- ☐ no PhD yet

Recruitment:

3 to **36 months (typical)**

Mandatory **trans-national mobility** at
the time of recruitment.





ITN three implementation modes

ETN

**European
Training
Networks**

*Participants implement
a joint research programme*

317 M€

EID

**European
Industrial
Doctorates**

*Doctoral programme with
the non-academic sector*

25 M€

EJD

**European
Joint
Doctorates**

*Doctoral programme to
deliver joint degrees*

28 M€

Research fields chosen freely by applicants
(CHE, ECO, ENG, ENV, LIF, MAT, PHY, SOC)



Eligibility rules?

EU 28 Member States (MS)
Associated Countries (AC)
Other Third Countries (OTC)

ETN

**Min. 3 beneficiaries from any sector
from 3 different MS/AC**

EID

**Min. 2 beneficiaries from 2 different MS/AC:
min. 1 from academic sector awarding PhD
+ min. 1 from non-academic sector**

EJD

**Min. 3 beneficiaries
from academic sector awarding PhD
from 3 different MS/AC**

Above this minimum: participants from any sector / country



European Training Networks (ETN)



ETN

Participants implement a joint research training programme

Mandatory

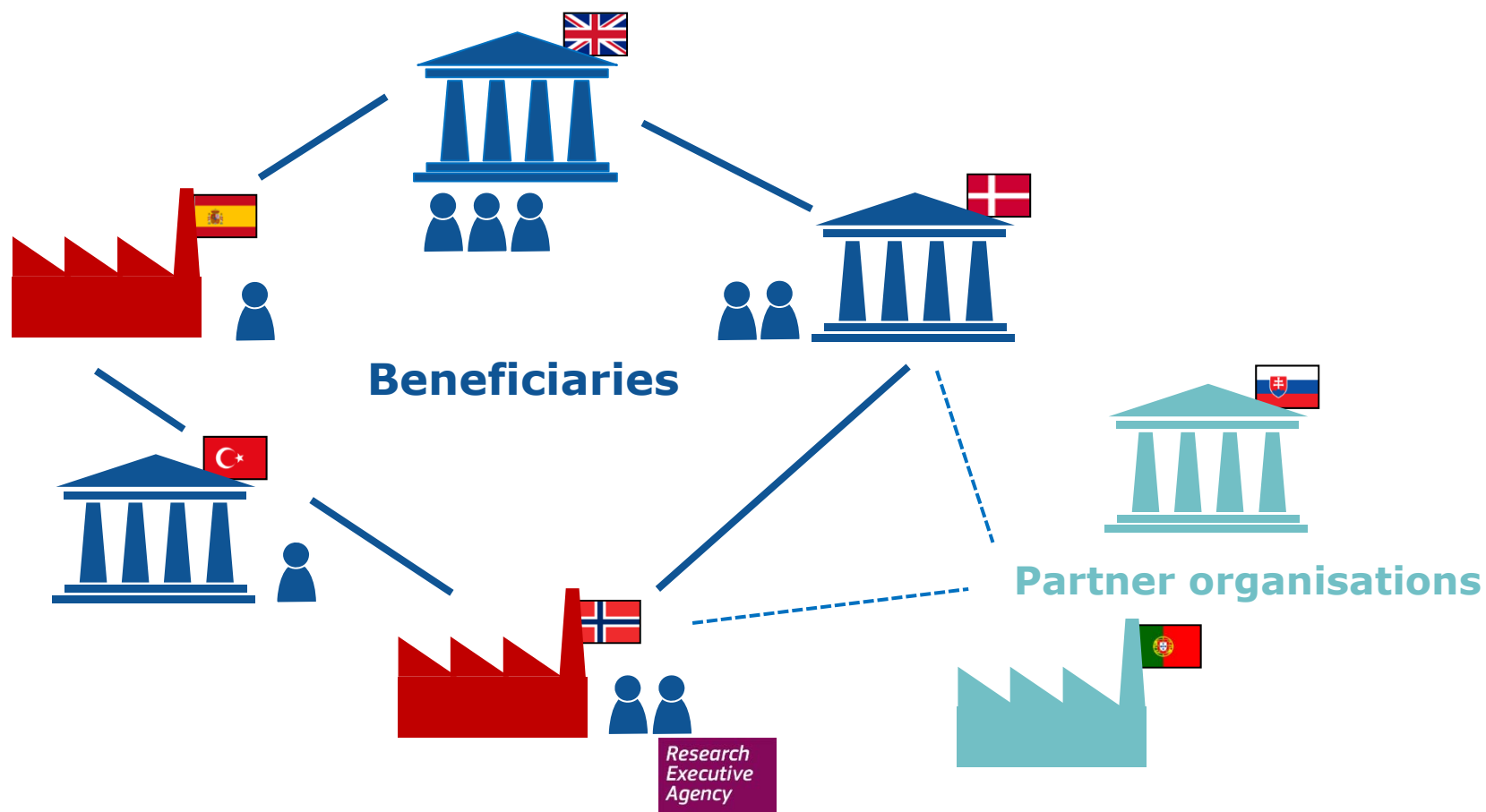
- ✓ Min. 3 beneficiaries from 3 different MS/AC
- ✓ Each beneficiary recruits and hosts at least 1 ESR
- ✓ Max 540 person-months (e.g. 15 ESRs x 36 months)

Other features

- ✓ Non-academic participation essential
- ✓ PhD enrolment typically expected (not mandatory)
- ✓ Secondments to other countries/sector/disciplines ($\leq 30\%$ time)
- ✓ Joint supervision recommended
- ✓ Partner organisations (any country/sector)

ETN

Participants implement a joint research training programme





European Industrial Doctorates (EID)



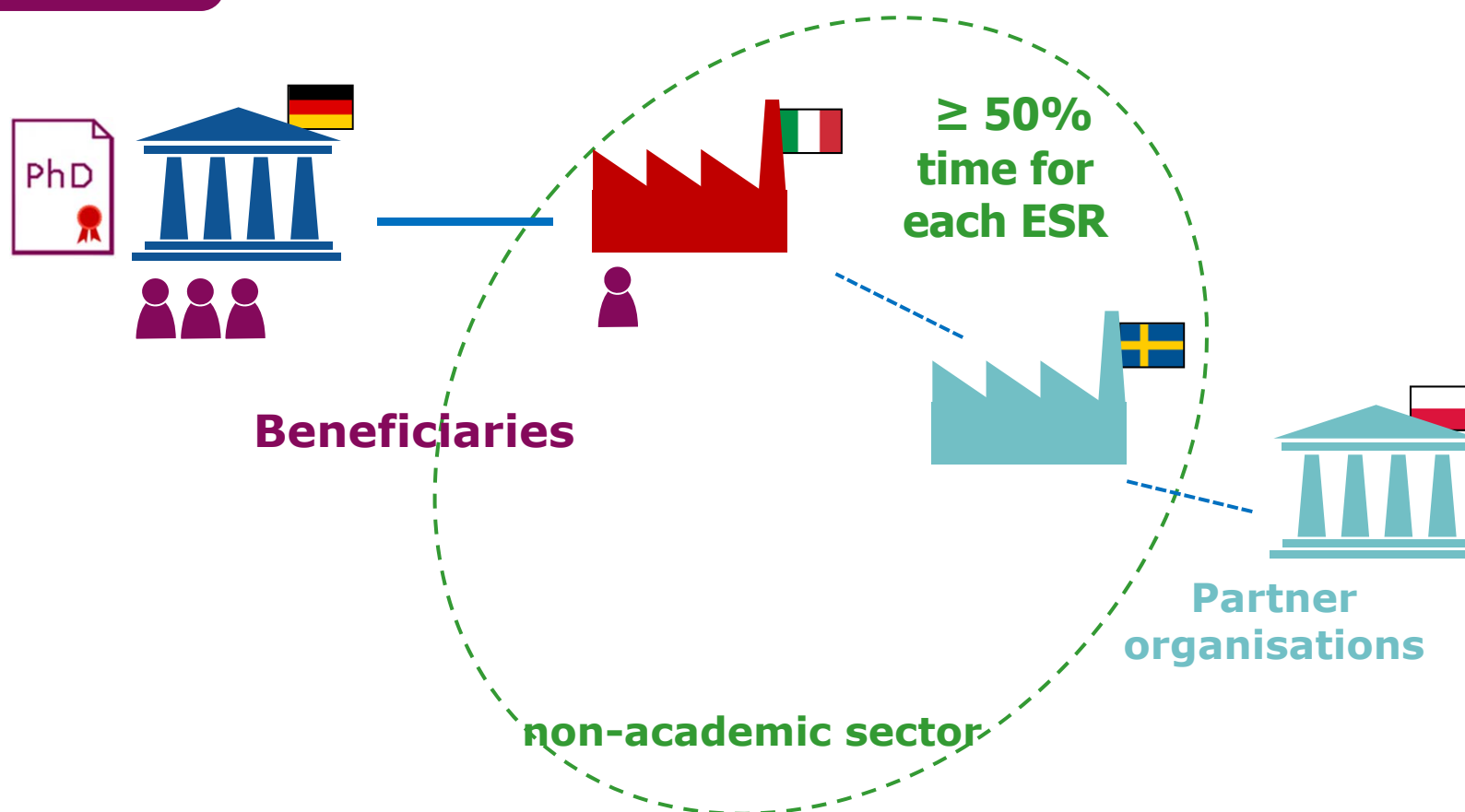
EID

Doctoral training with the non-academic sector

- ✓ Min. 2 organisations from 2 different EU/ associated countries
1 academic awarding PhD + 1 non-academic
 - ✓ Max 180 person-months (if 2 organisations) - e.g. 5 x 36 months
 - ✓ Max 540 person-months (if ≥ 3 organisations) - e.g. 15 x 36 months
-
- ✓ Individual research projects under the topic of the doctoral programme
 - ✓ Flexible recruitment rule
 - ✓ Each fellow enrolled in the doctoral programme
 - ✓ Each fellow must spend $\geq 50\%$ of time in non-academic sector
 - ✓ Secondments above 50% rule (up to 30% of time)
 - ✓ Partner organisations (any country/sector)

EID

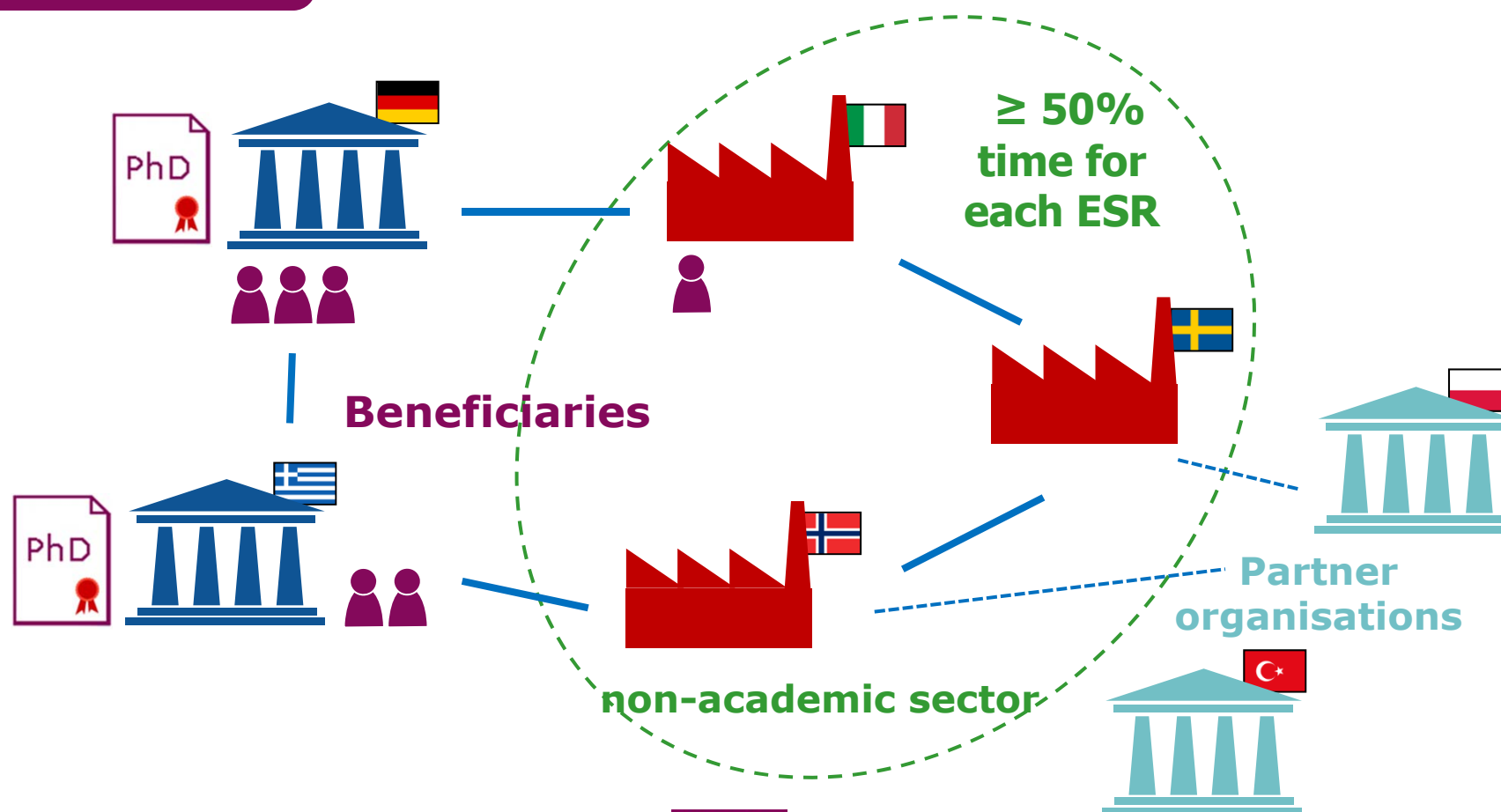
Doctoral training with the non-academic sector



2 beneficiaries: max 180 PM

EID

Doctoral training with the non-academic sector



≥3 beneficiaries: max 540 PM



European Joint Doctorates (EJD)



EJD

Universities cooperating to deliver joint/multiple doctoral degrees

Mandatory

- ✓ Min. 3 beneficiaries from academic sector awarding PhDs, from 3 different MS/AC
- ✓ Each ESR enrolled in the joint (international) doctoral programme
- ✓ Joint selection, training and supervision
- ✓ Commitment to deliver joint/double/multi degrees
- ✓ Max 540 person-months

Other features

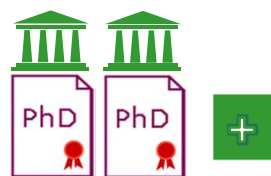
- ✓ Meaningful stays at joint doctorate beneficiaries
- ✓ Non-academic participation through secondments to other sector/disciplines ($\leq 30\%$)
- ✓ Flexible recruitment rule

EJD

Universities cooperating to deliver joint/multiple doctoral degrees



Joint degree: single diploma issued by at least 2 academic institutions, and recognised officially



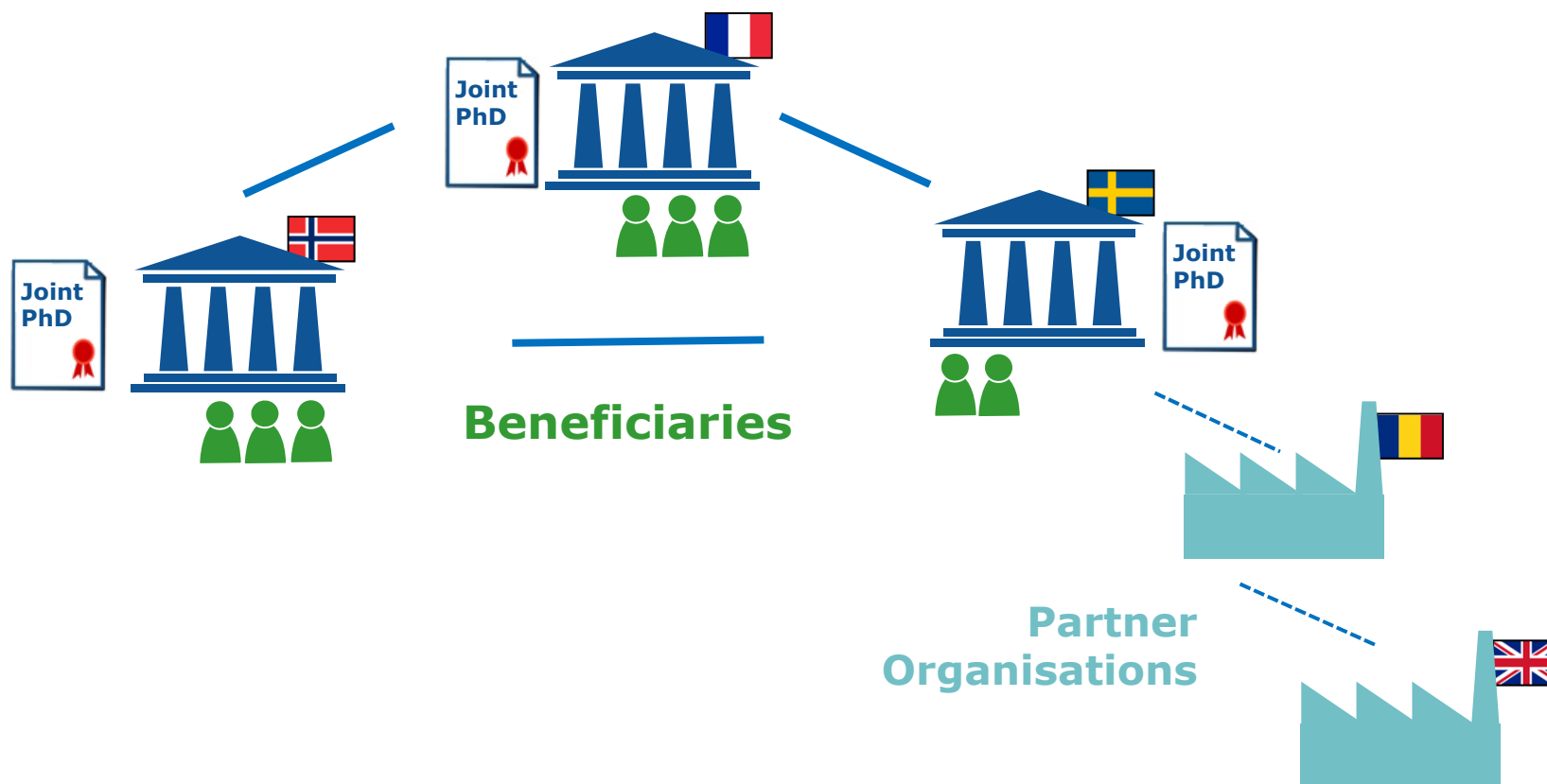
Double/multiple degree: 2 or more separate national diplomas issued by two or more higher education institutions and recognised officially



Letters of institutional commitment to deliver degrees are required in the proposal

EJD

Universities cooperating to deliver joint/multiple doctoral degrees



	ETN	EID	EJD
Beneficiaries	≥3 from 3 diff. MS/AC Any type	≥2 from 2 diff. MS/AC: (≥1 acad. award. PhD + ≥1 non-academic)	≥3 (acad. award PhD) from 3 diff. MS/AC
Person-months	Max. 540	Max. 180 / 540	Max. 540
Researchers	ESRs only (3-36 months)		
Partner Organ.	Not pre-defined (any country / sector / discipline)		
PhD enrolment	typically expected	mandatory	mandatory
Non-academic participation	essential	mandatory	essential
Inter-sectoral exposure	possible through secondments	≥50% in non-academic	possible through secondments
Panels and rank lists	8 panels: CHE, ECO, ENG, ENV, LIF, MAT, PHY, SOC (317 M€)	EID panel (25 M€)	EJD panel (28 M€)

Financing

Funding mechanism

Unit costs

Unit costs are a pre-estimated cost for the implementation of the action.

Advantage when applying

Automated calculation of budget when computing ESR months in your proposal

1 unit
=
**1 month of
eligible ESR**

ITN Costs categories

Unit costs/1 researcher month:

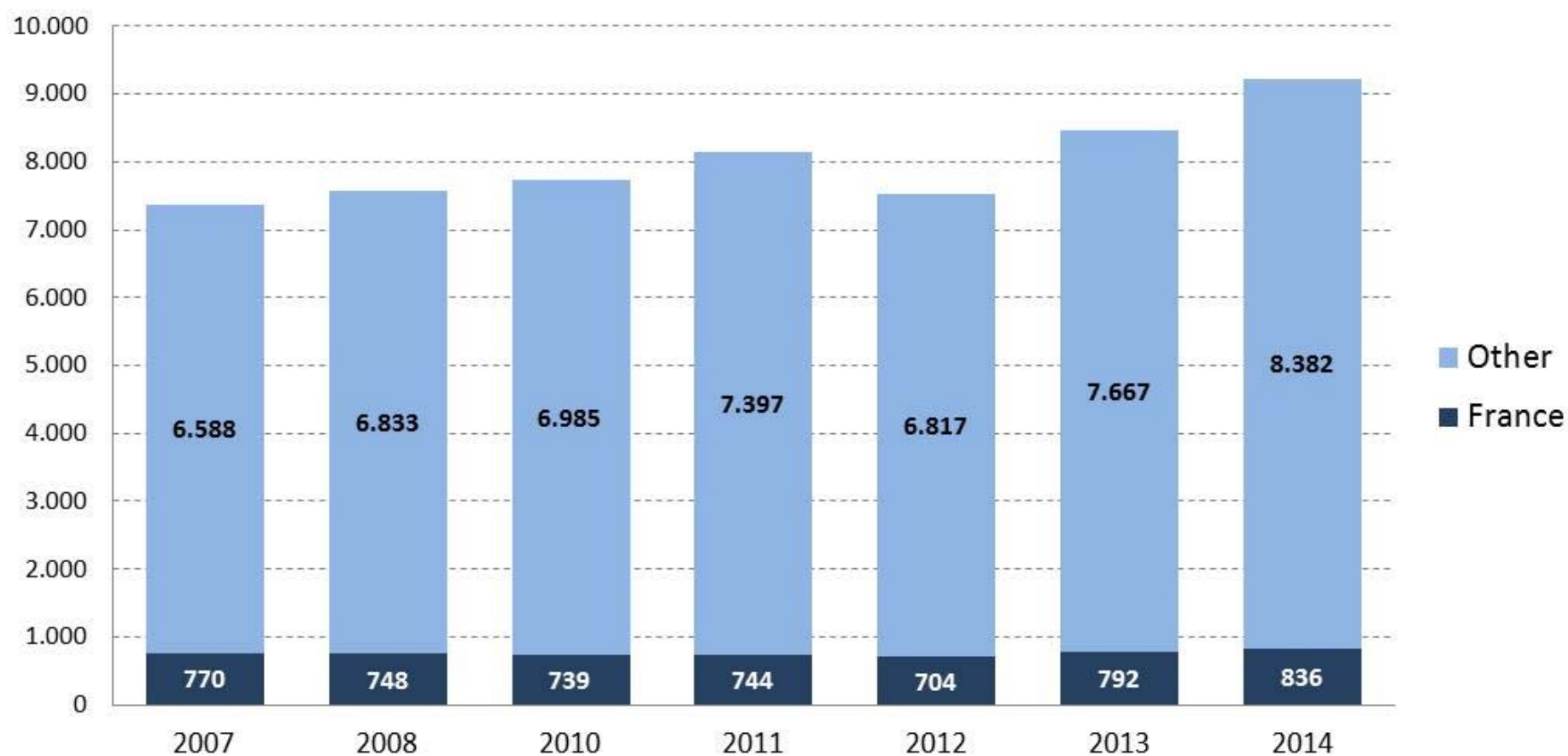
Researcher			Institution	
Living allowance	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
3.110	600	500	1.800	1.200

- Country correction coefficient applies to the living allowance
- Researcher allowances include employer contributions.
- Researcher allowances are a minimum to be paid (top-up funds from other sources permitted).

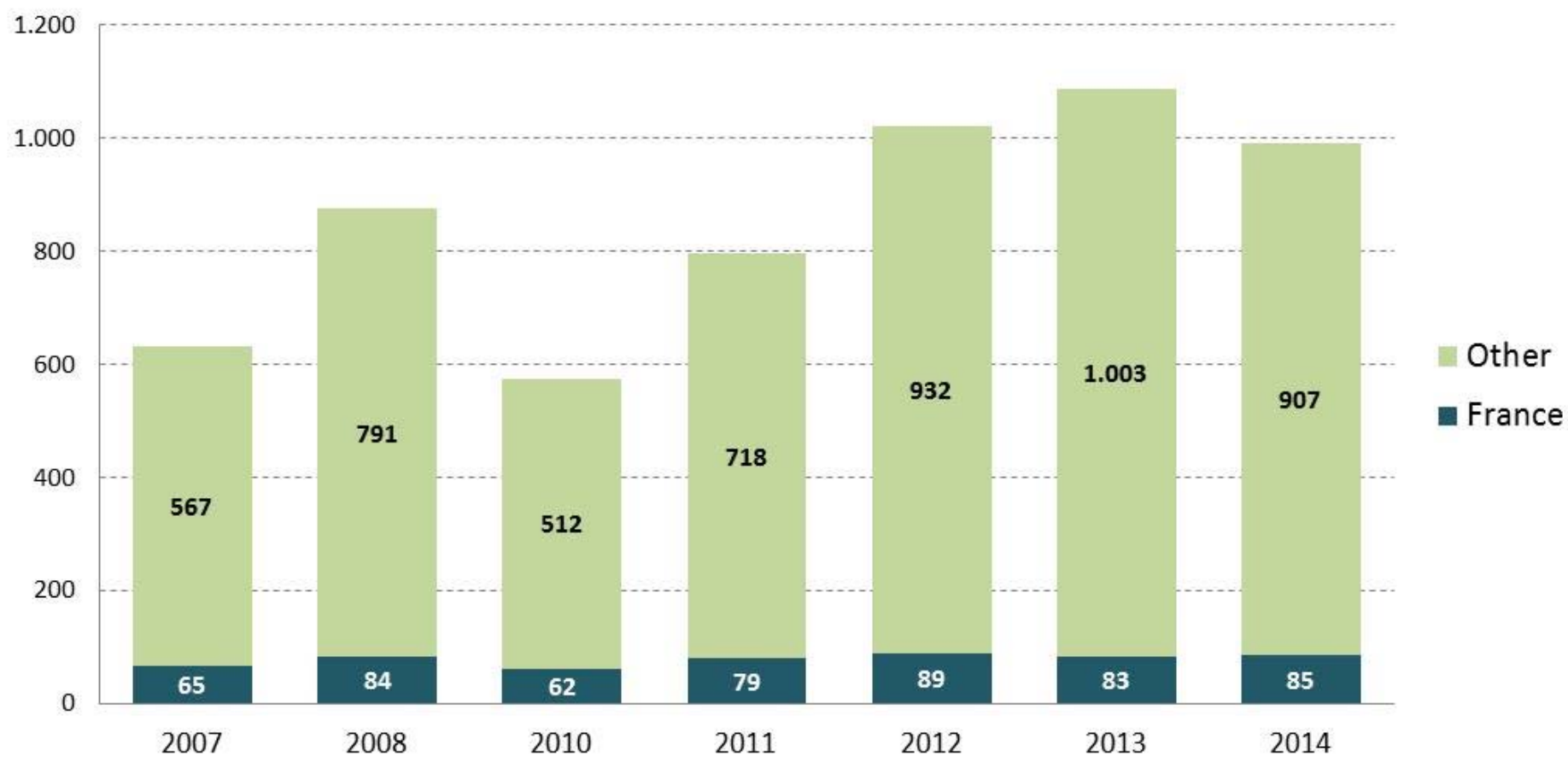


French Participation

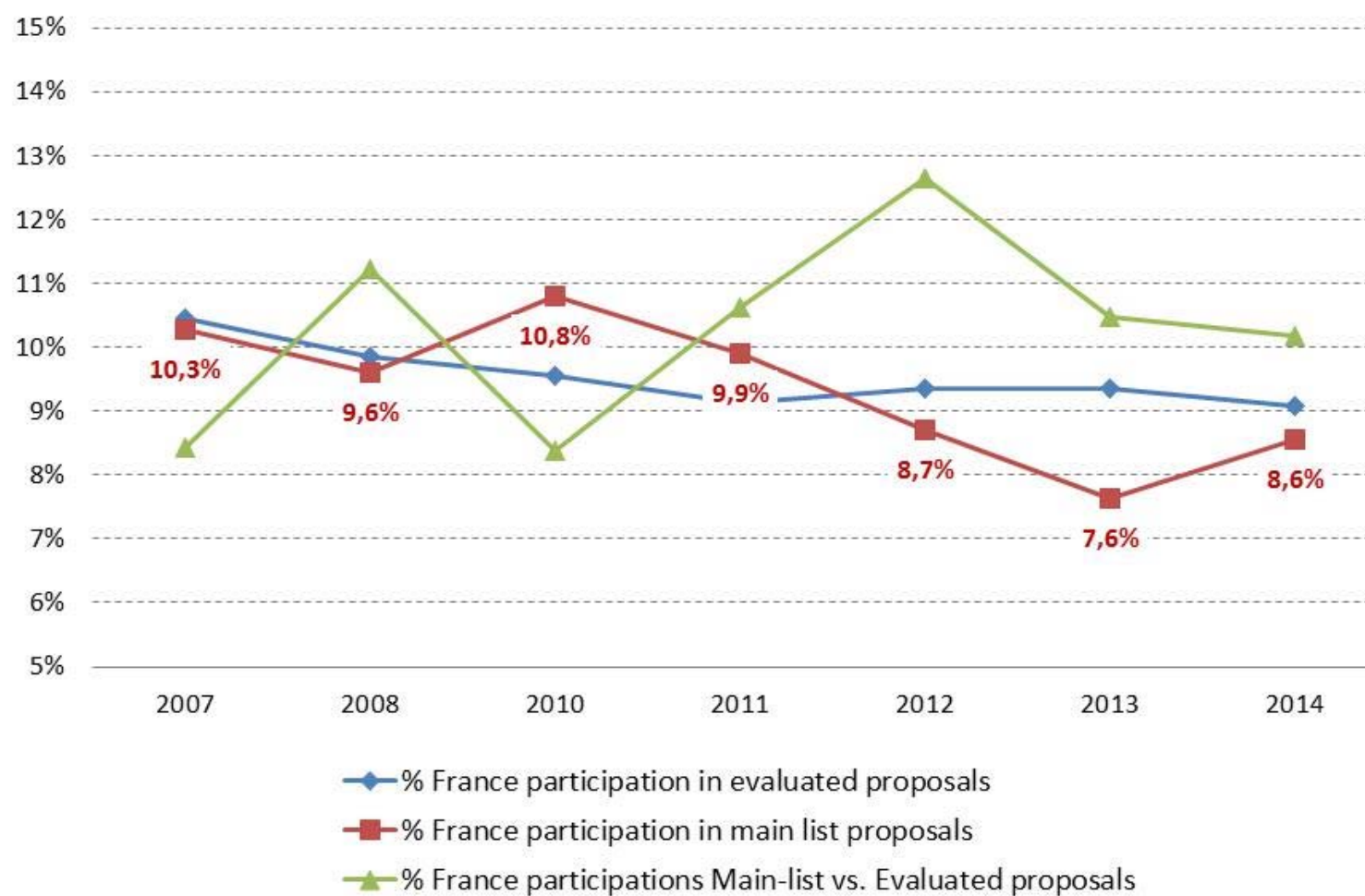
Participations in evaluated proposals



Participations in main list proposals



% Participations from France





ITN 2014 Modes & Budget

ETN

**European
Training
Networks**

*Participants implement
a joint research training
programme*

350.18 M€

EID

**European
Industrial
Doctorates**

*Doctoral training with the
non-academic sector*

25.5 M€

EJD

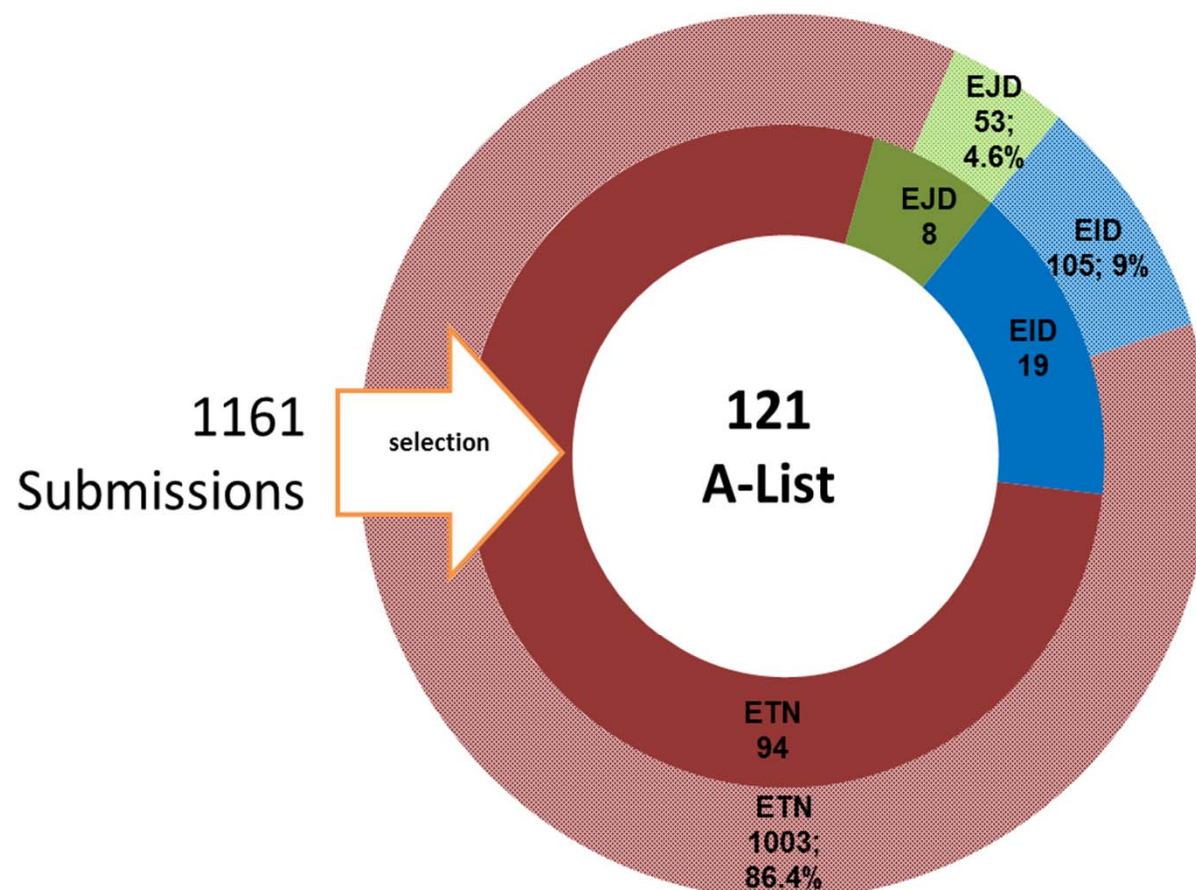
**European
Joint
Doctorates**

*Universities cooperating
to deliver joint degrees*

30 M€

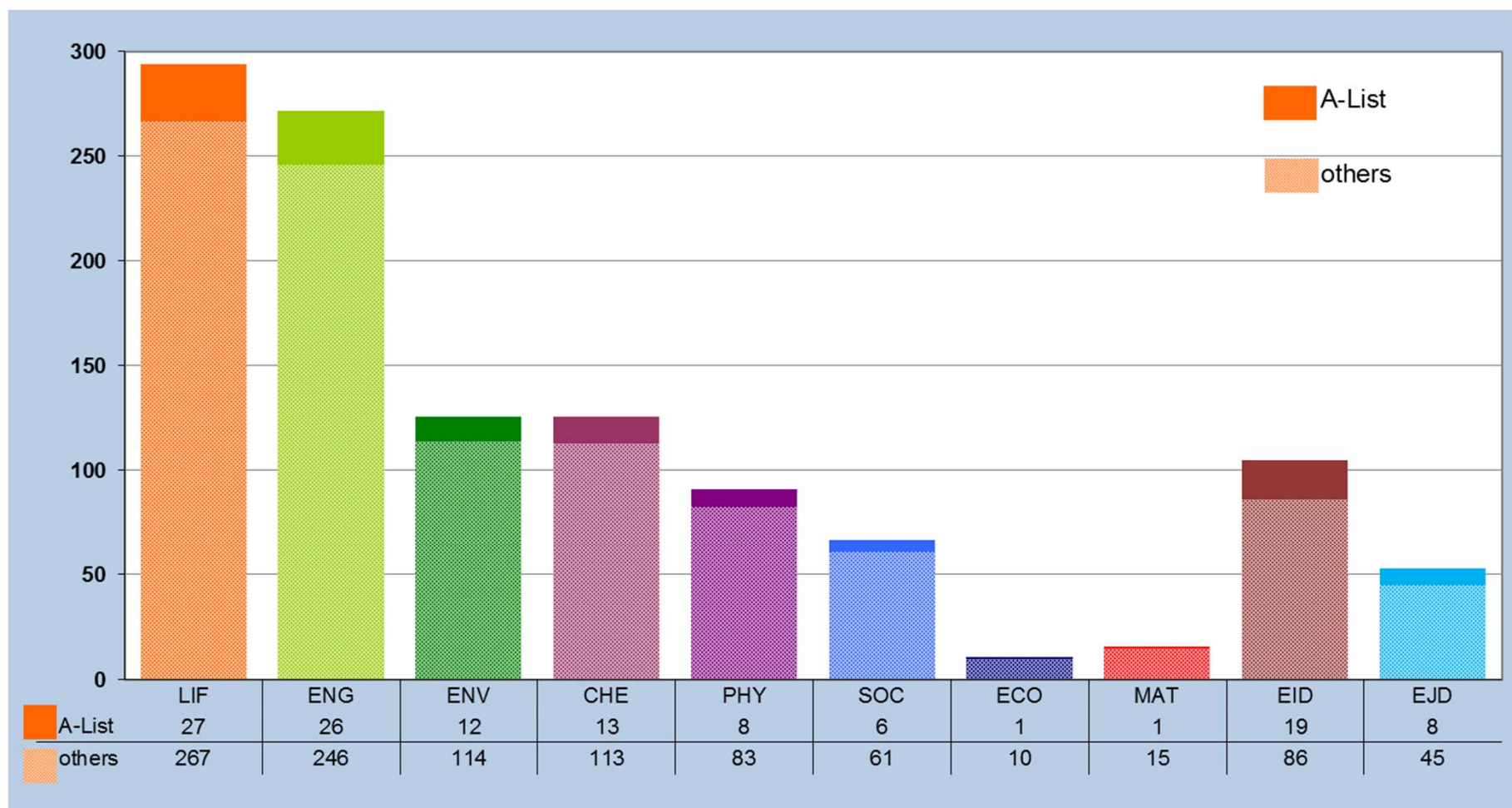
- **Call Deadline:** **9 April 2014**
- **Evaluation week:** **23 – 27 June 2014**
- **Launch Grant preparation:** **4 Sept. 2014**
- **Starting dates:** **1 Nov 2014 – 1 Jan 2015**

ITN 2014: submitted and A-list proposals



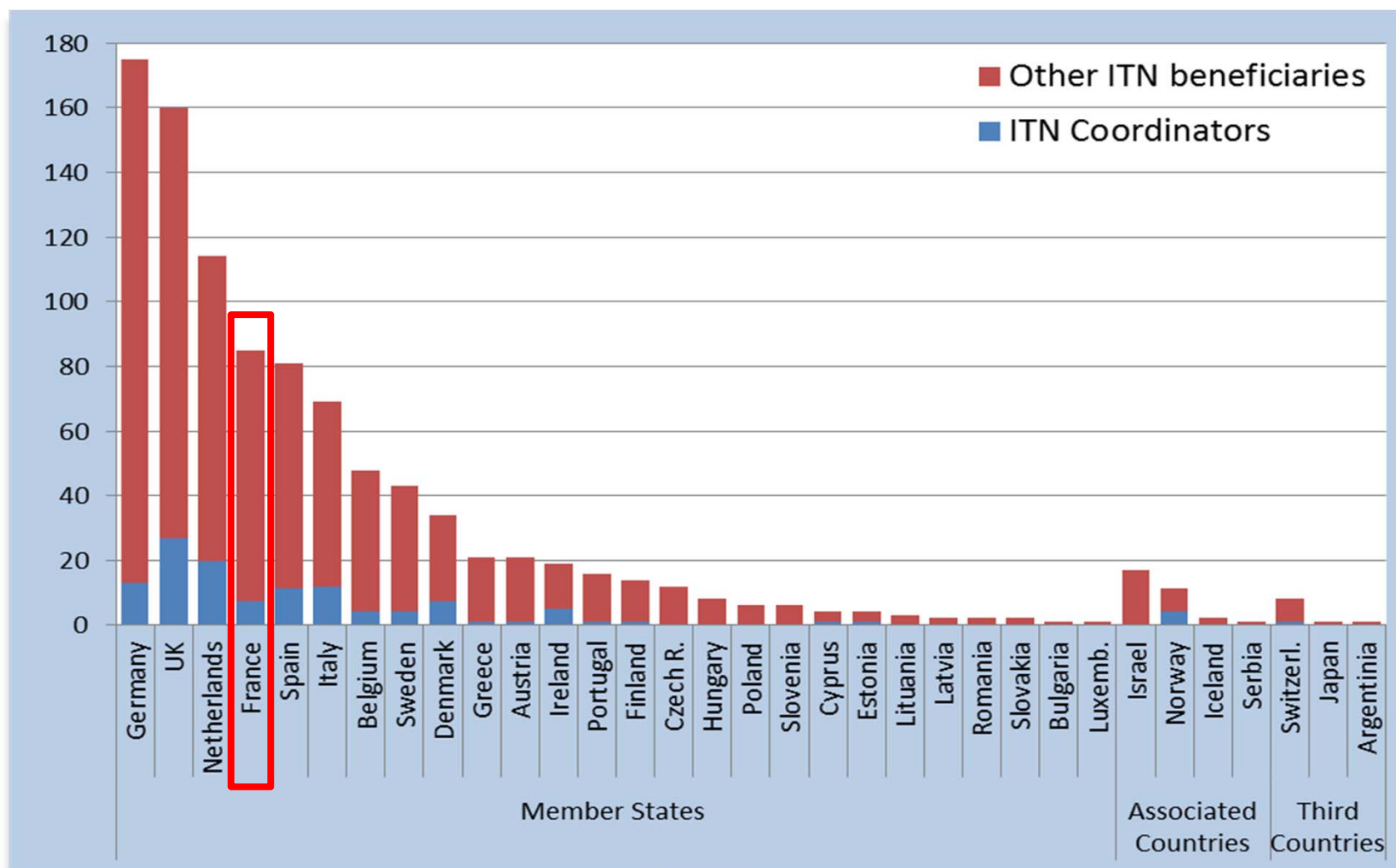
Success rate		
ETN	EID	EJD
8,6%	15,3%	13,1%

ITN 2014: eligible and A-list proposals by panel

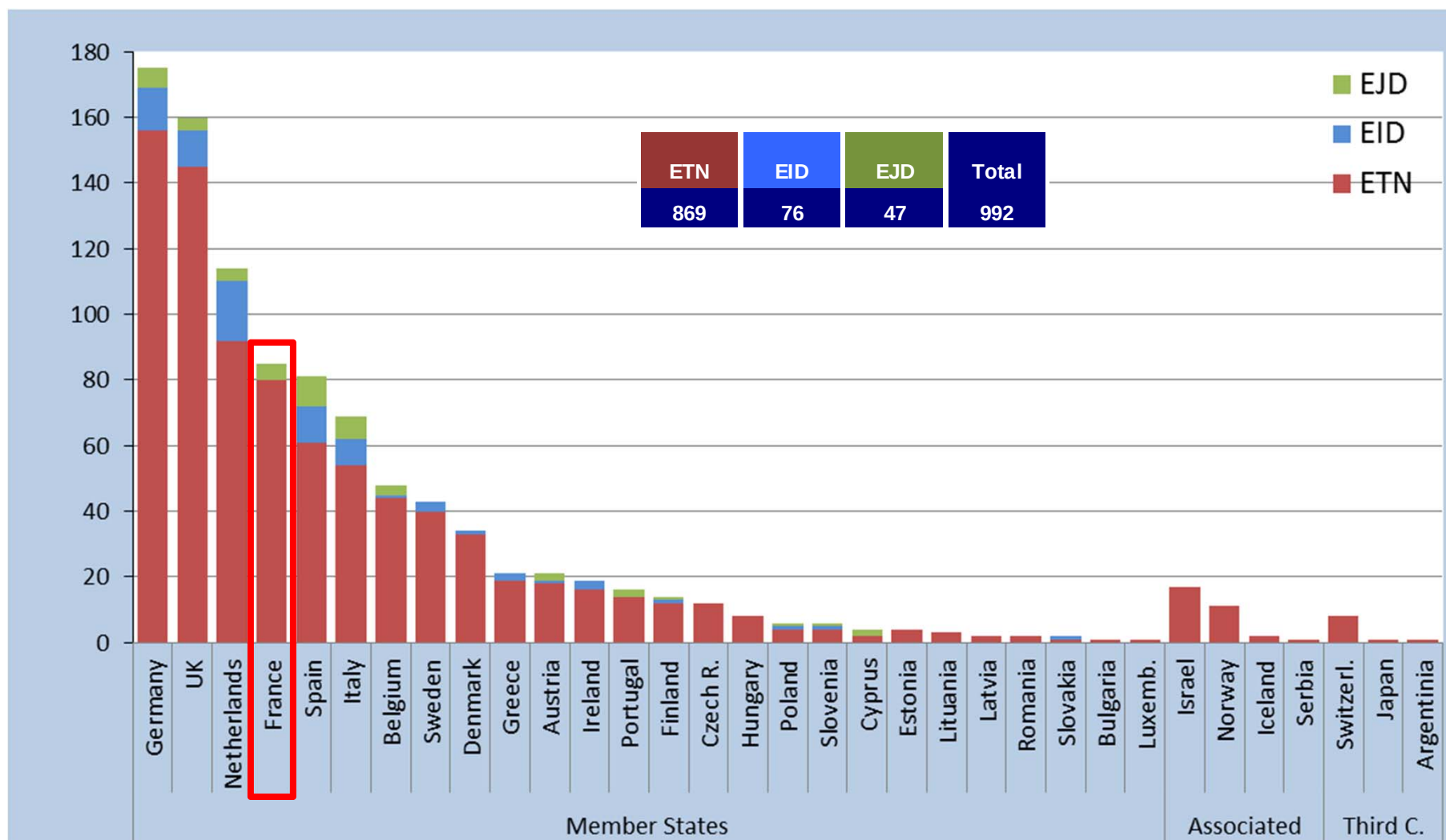


Note: ETN, EJD and EID 2014

ITN 2014: Number of beneficiaries in A-list & Role



ITN 2014: Number of beneficiaries in A-list & Mode





MARIE SKŁODOWSKA-CURIE ACTIONS

Boosting research careers

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