

# **H2020 Excellent science Marie Skłodowska-Curie Actions**

## **Innovative Training Networks 2016 Programme Overview**

**Information Day  
14 October 2015, Paris**



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1. General Aspects
2. ITN implementation modes
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## Excellent science

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

# Objectives



## new skills, knowledge and innovation

1. Fostering new skills through excellence in **initial training** of researchers
2. Nurturing **excellence** through cross-border and cross-sector **mobility**
3. Stimulating **innovation** through cross-fertilisation of knowledge
4. Increasing structural **impact by co-funding** activities
5. Specific support and policy action

# 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)



## 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



## 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



## 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



# 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 applies and proposes 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?

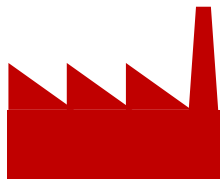
International networks of organisations actively involved in research/doctoral training

## 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

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



# 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€**

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**Call opens 15/10/2015**  
**Call closes 12/01/2016**

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# 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

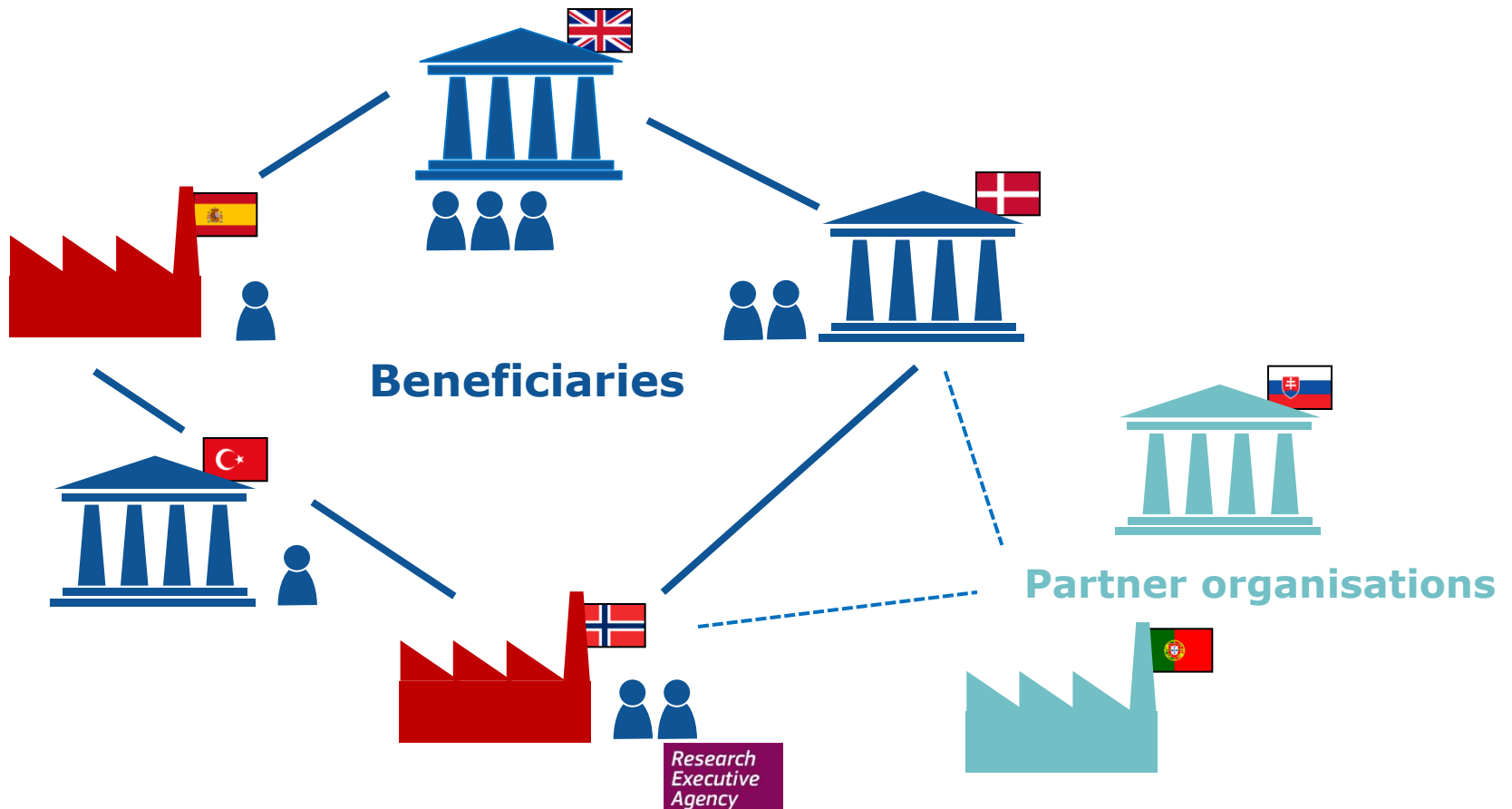
- ✓ Min. 3 beneficiaries from 3 different MS/AC
- ✓ Each beneficiary recruits and hosts at least 1 ESR
- ✓ Max 540 person-months (e.g. 15 ESRs x 36 months)

### 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)

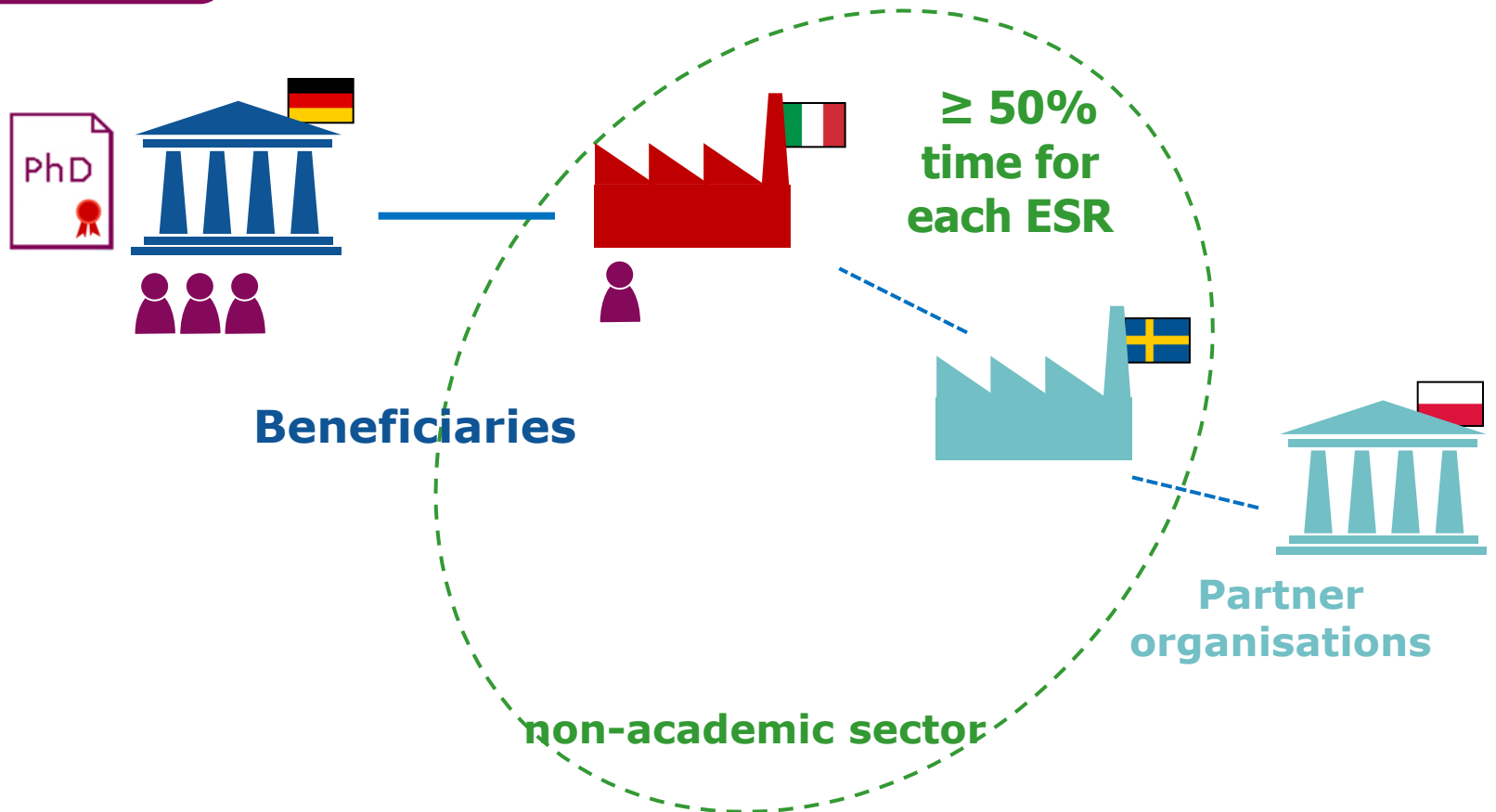
**EID**

## **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  $\geq 3$  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 possible
  - ✓ Partner organisations (any country/sector)

**EID**

## Doctoral training with the non-academic sector



**2 beneficiaries: max 180 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**

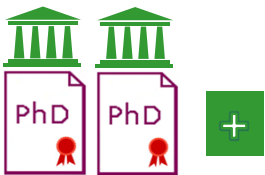
- ✓ Meaningful stays at joint doctorate beneficiaries
- ✓ Non-academic participation through secondments to other sector/disciplines
- ✓ Flexible recruitment rule

**EJD**

## Universities cooperating to deliver joint/multiple doctoral degrees



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



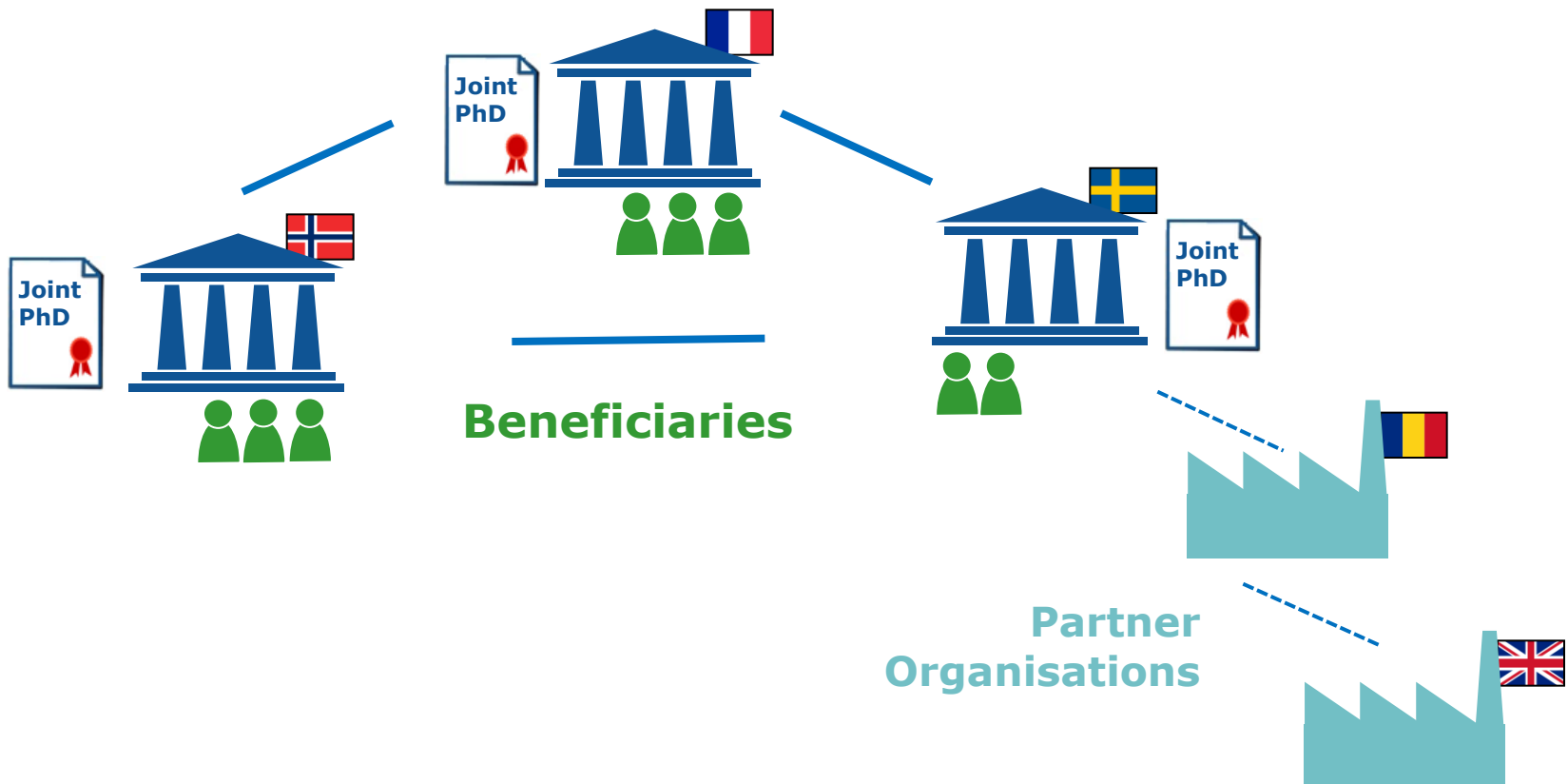
**Double/multiple degree:** 2 or more separate national diplomas issued by two or more higher education institutions and recognised officially



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

**EJD**

# Universities cooperating to deliver joint/multiple doctoral degrees



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



European  
Commission

# 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

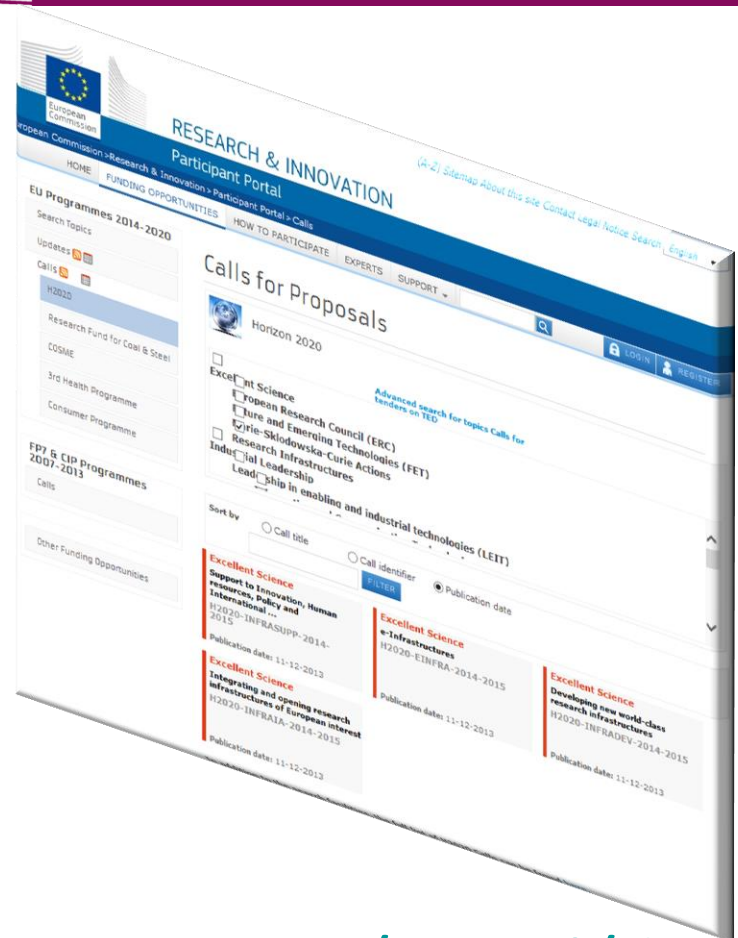
## Unit costs per researcher per month

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

- **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)



- Guide for Applicants
- Work Programme
- General Annexes
- Rules for participation

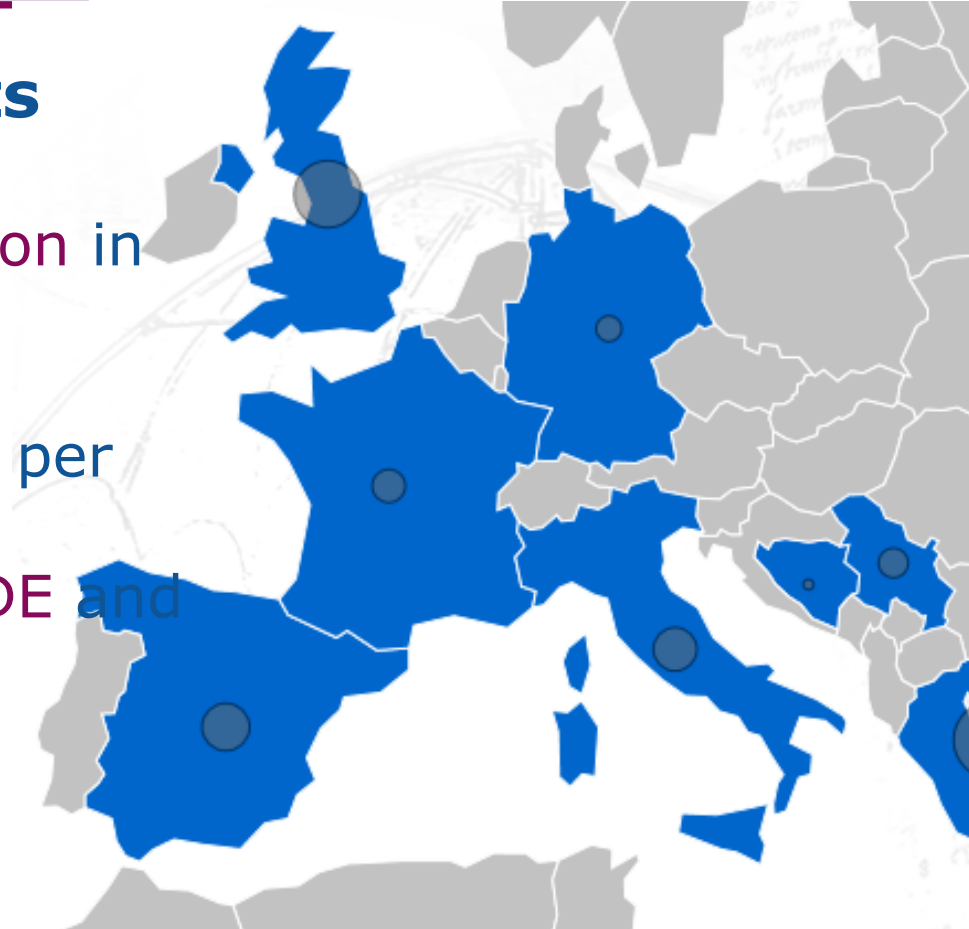


<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020>

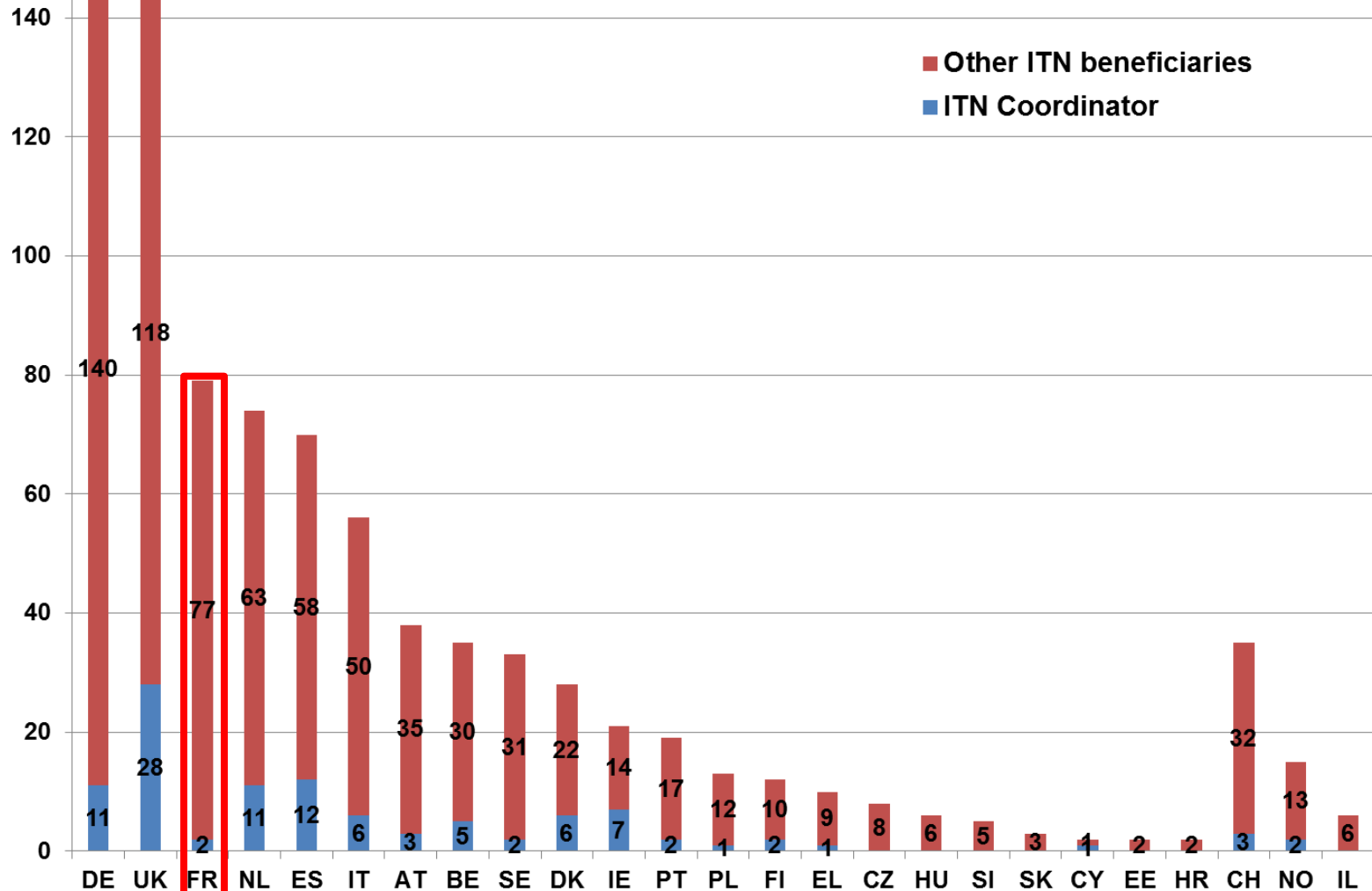
# Participation: France

## ITN 2015: France participation facts

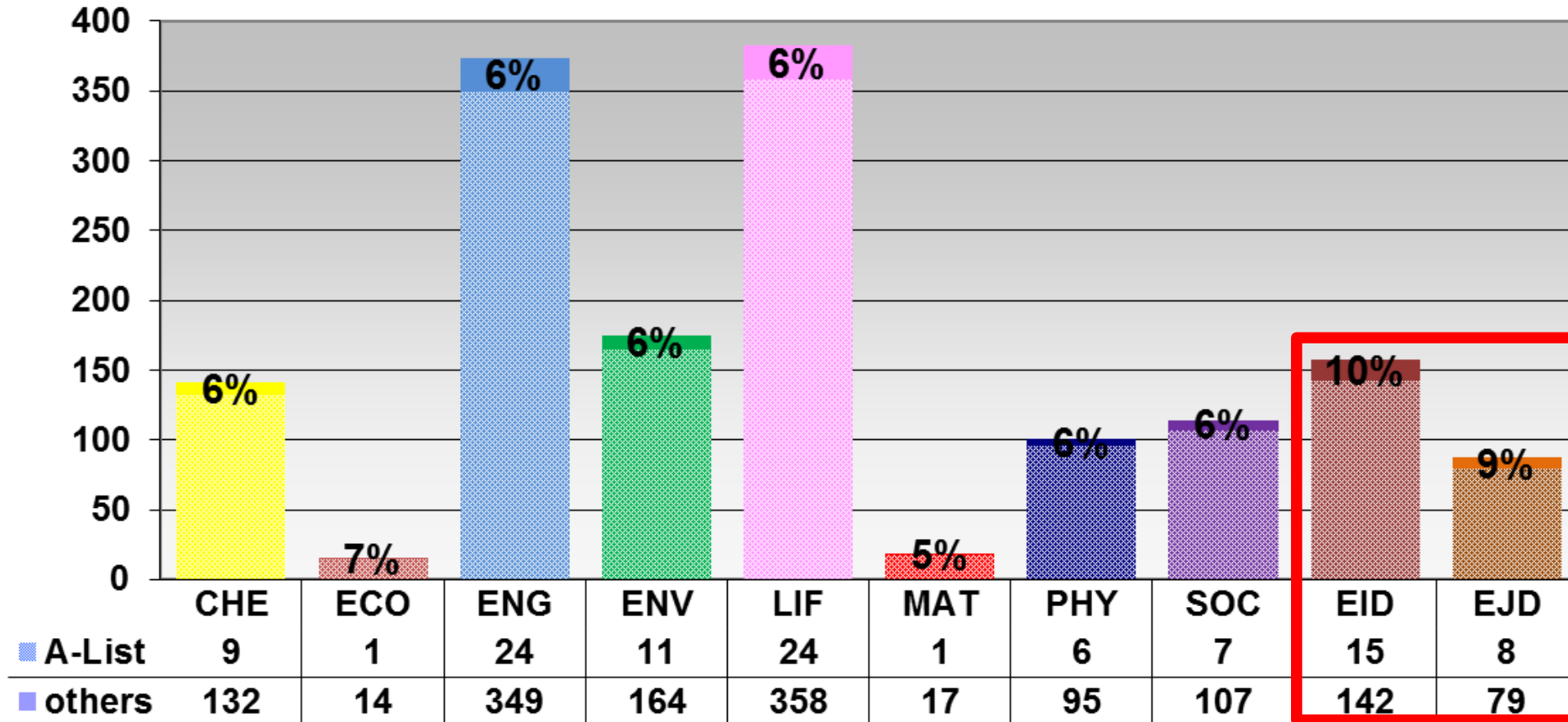
- FR organisations participation in 66 projects
- FR COO in 2 projects
- 8 organisations on average per project
- Main networking with UK, DE and ES



# ITN 2015: Number of beneficiaries in A-list & Role

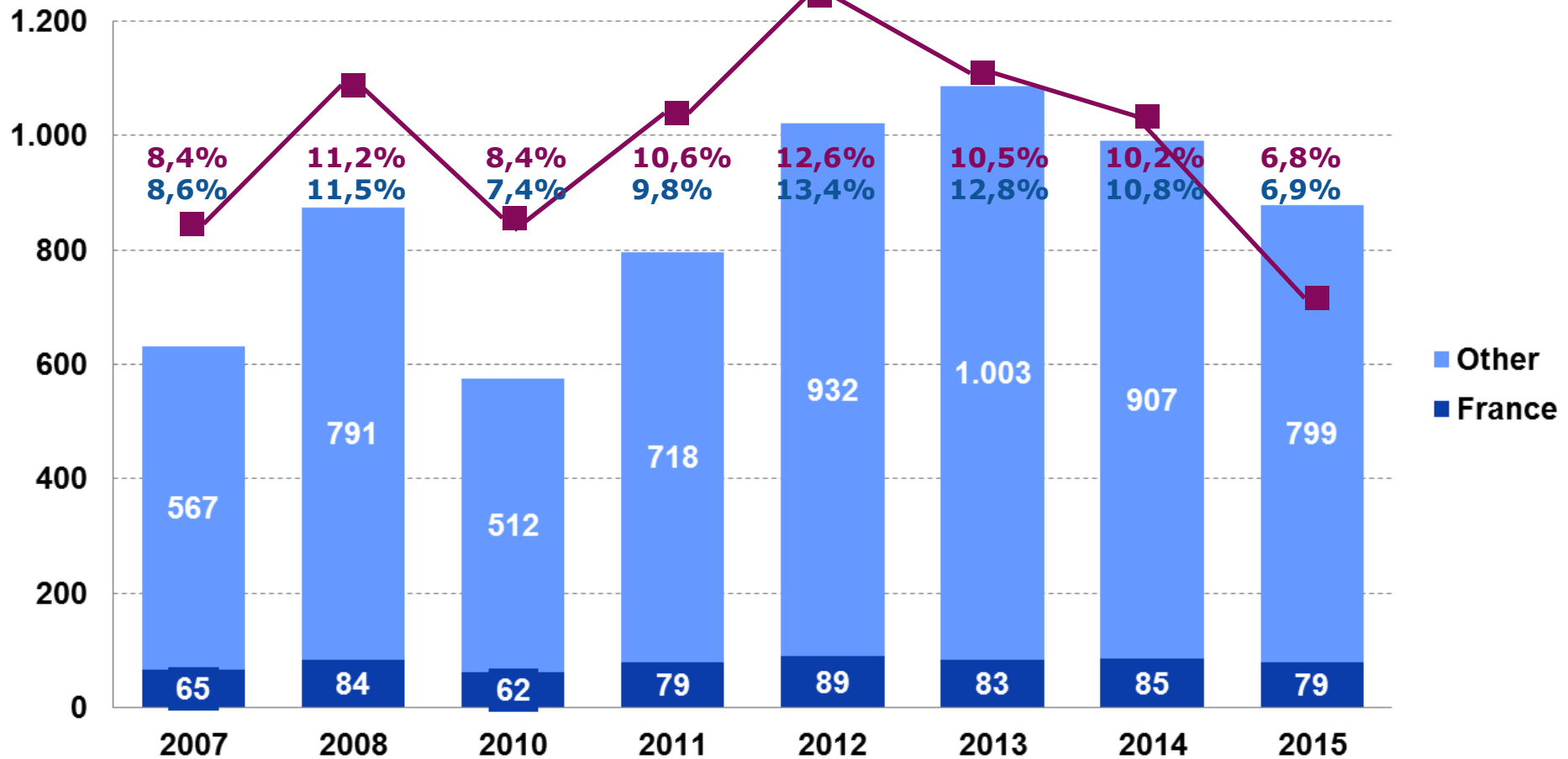


# ITN 2015: Eligible and A-list proposals by panel



Success rate			
ETN	EID	EJD	Total
6,3%	9,6%	9,2%	6,8%

# Participations in main list proposals





European  
Commission



# euraxess

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Agency





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**Research fields:** Computer science
- 09/10/2015  
**Senior Lecturer**  
POLAND | University of Rzeszów  
**Research fields:** Biological sciences
- 09/10/2015

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