Marie Skłodowska-Curie Actions
From Association to Participation

Innovative Training Networks
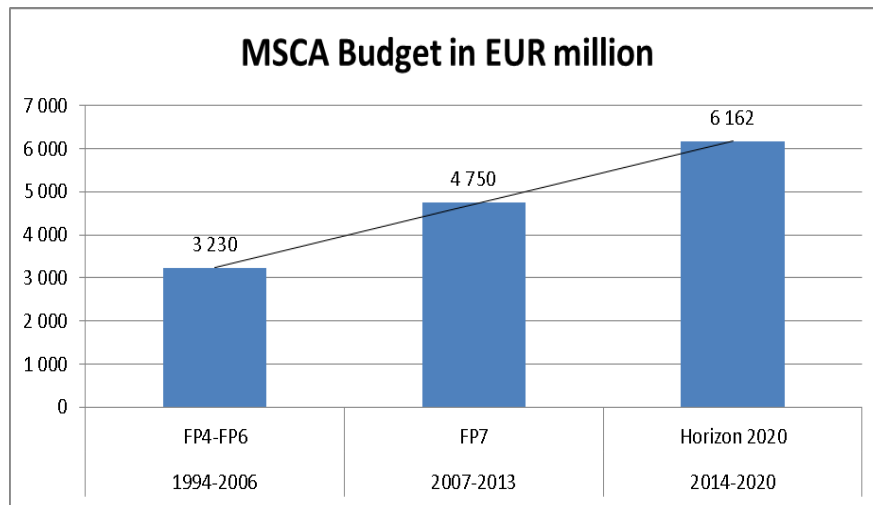
Reykjavik, 5 September 2016
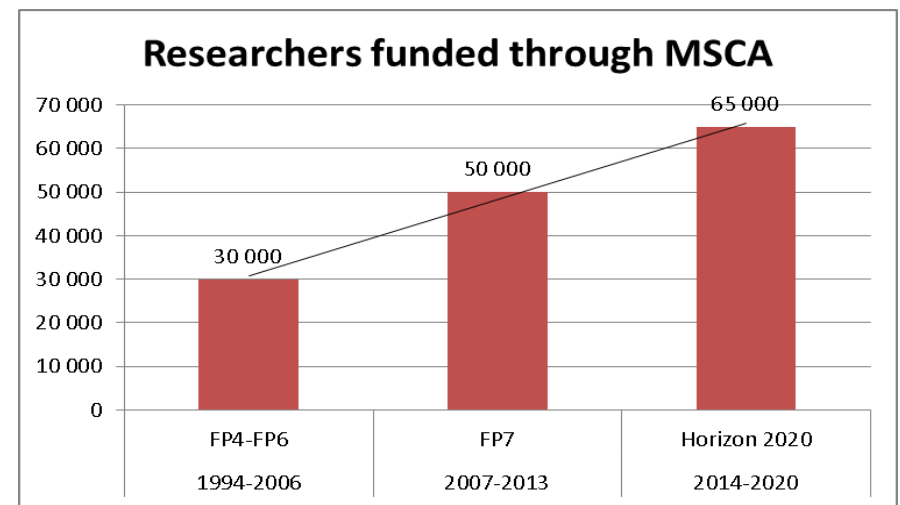
Bodo Richter, Deputy Head of Unit
DG Education and Culture

HORIZON 2020

Marie Skłodowska-Curie Actions(MSCA)

The European Union's main programme for researcher training and career development through mobility.

MSCA Budget in EUR million

FP4-FP6 1994-2006	FP7 2007-2013	Horizon 2020 2014-2020
3 230	4 750	6 162

2016: EUR 765 million
2017: EUR 843 million

Researchers funded through MSCA

FP4-FP6 1994-2006	FP7 2007-2013	Horizon 2020 2014-2020
30 000	50 000	65 000

2016: 9 800 researchers
2017: 10 200 researchers

Education and culture

European Commission | Education and Culture

MSCA in short

- **Mobility** of researchers from **all over the world**

- For researchers at **every stage** of their career

- Focus on **training** and **career development**

- Coverage for all domains of research (**bottom-up approach**)

- Promotion of **attractive working and employment** conditions (financing rate of 100%)

- Open to **all kind of organisations** from across the globe

- Participation of **non-academic sector** strongly encouraged, especially industry and SMEs

European Commission | Education and Culture

In the MSCA, Europe means ...

28 EU Member States (MS)

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Germany, Greece, Finland, France, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom

15 Associated Countries (AC) to MSCA*

Albania, Bosnia & Herzegovina, Faroe Islands, FYROM, Georgia, Iceland, Israel, Moldova, Montenegro, Norway, Serbia, Switzerland**, Tunisia, Turkey, Ukraine

* as of 29 April 2016
** partial association with only parts of H2020 (incl. MSCA)

European Commission | Education and Culture

MSCA funding schemes

|		
Innovative Training Networks	**ITN**	**Doctoral and initial training**: European Training Networks, European Industrial Doctorates, European Joint Doctorates
Individual Fellowships	**IF**	Support for **experienced researchers** to undertake international and inter-sector mobility, incl. career restart and reintegration after stay abroad
Research and Innovation Staff Exchange	**RISE**	International and inter-sector cooperation through the **exchange of staff**
Co-funding of programmes	**COFUND**	**Co-funding** of regional, national and international programmes: - doctoral programmes - fellowship programmes

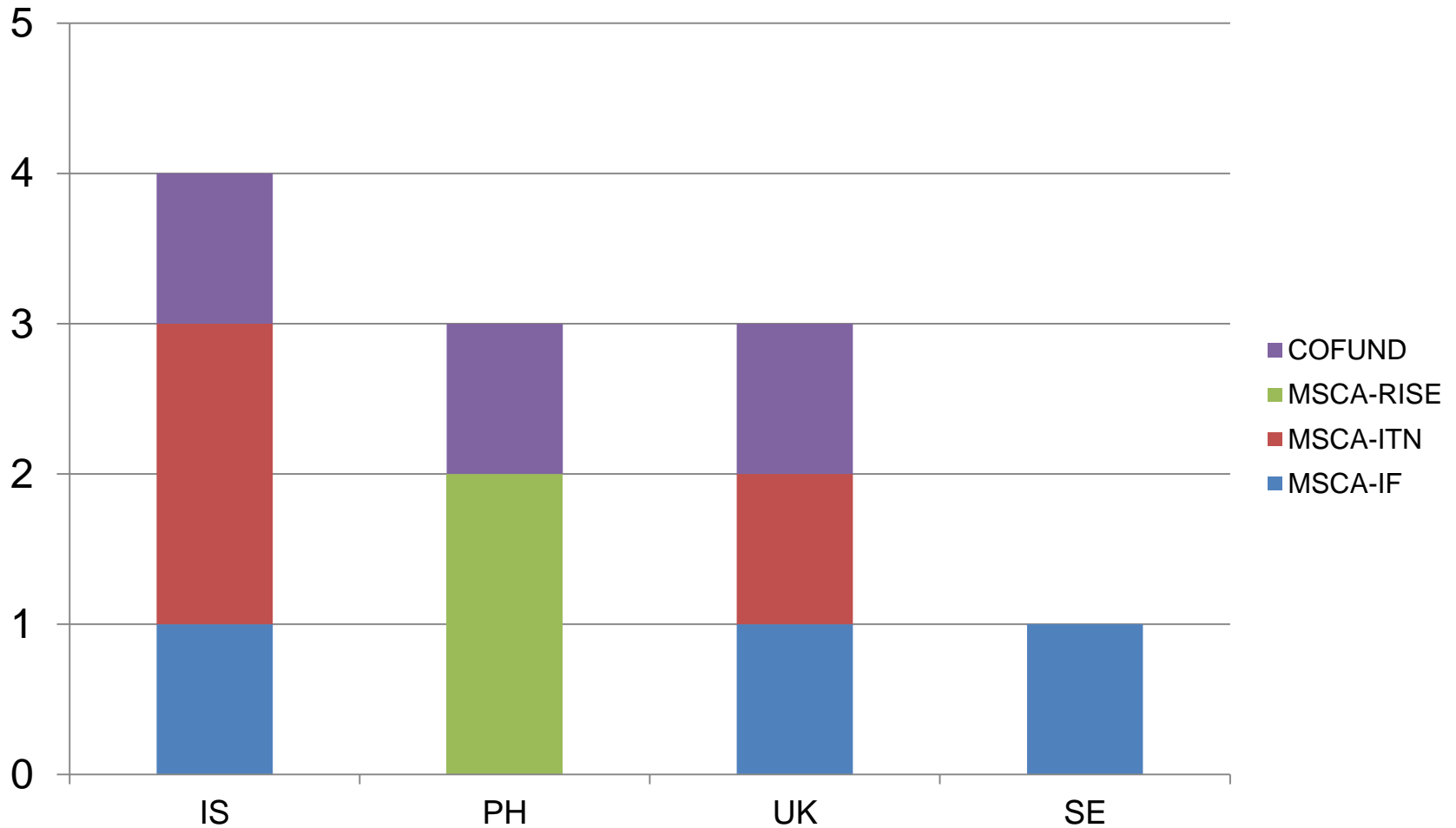European Commission | Education and Culture

MSCA fellow
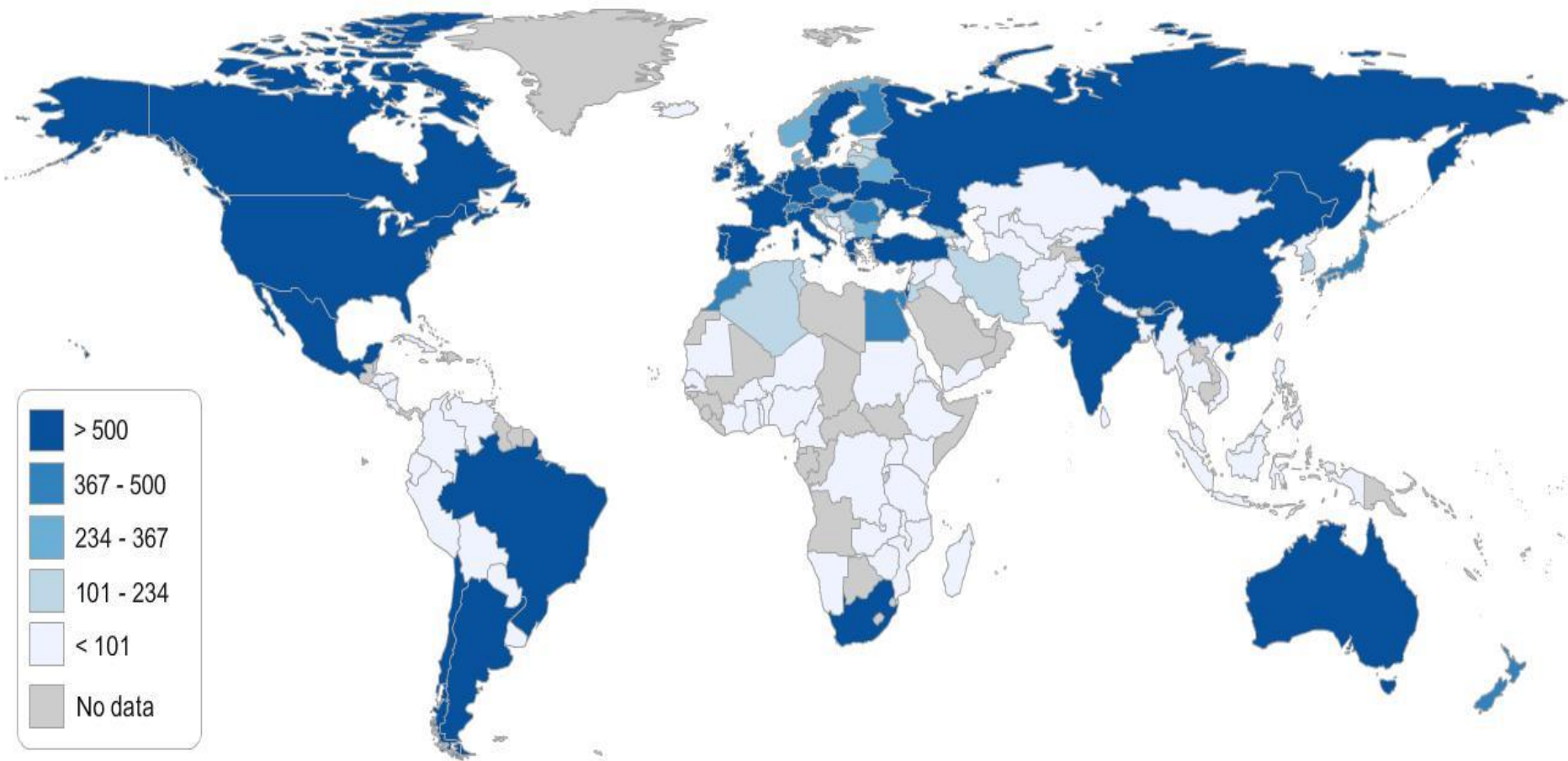
Already 4.937 organisations from **107 countries** are participating in the MSCA, thereby contributing to the goal of supporting 65 000 research careers over the period 2014-2020.
Nearly 15.400 researchers from **120 countries**, including 7.050 PhD candidates, have already benefitted from the MSCA.
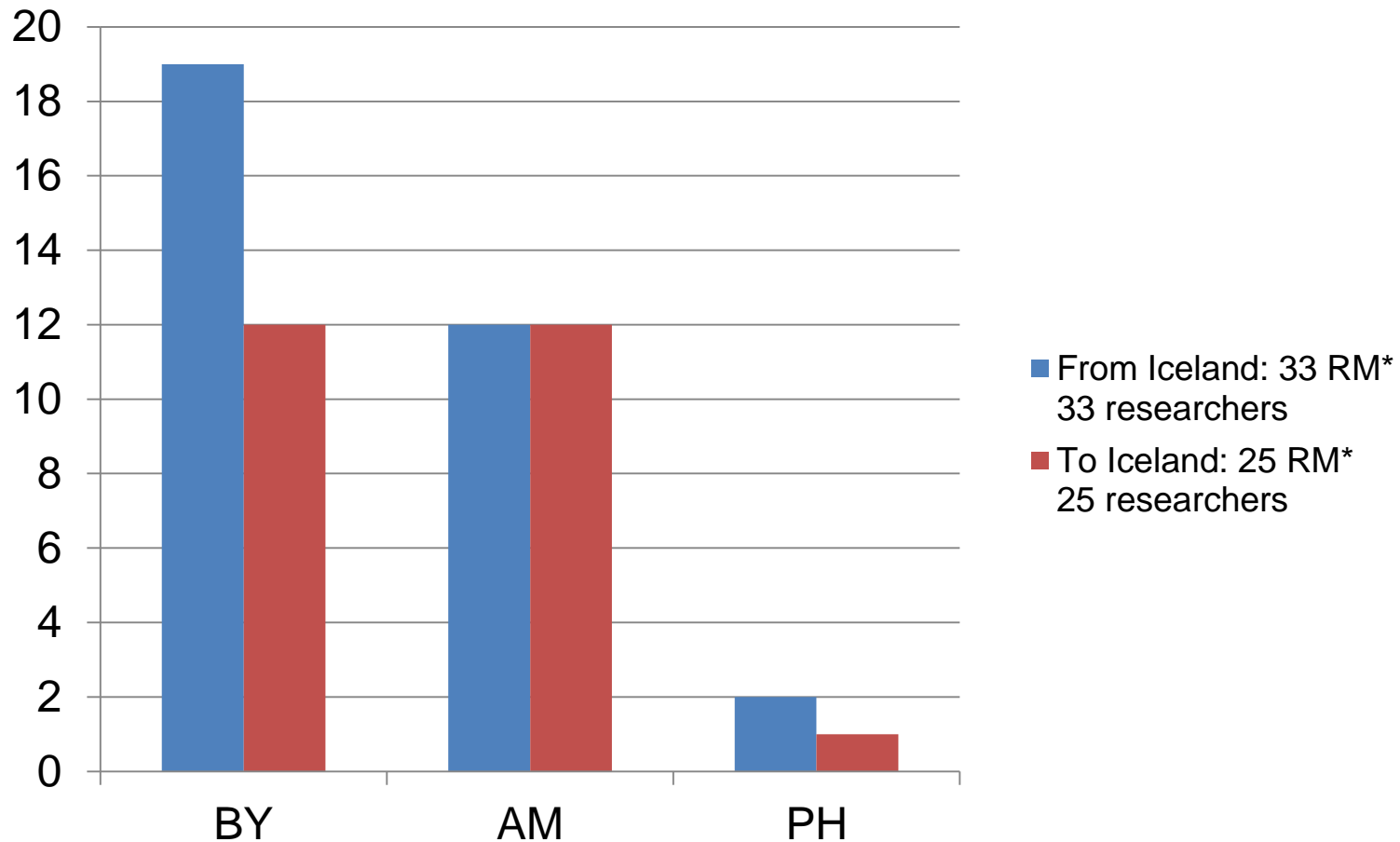
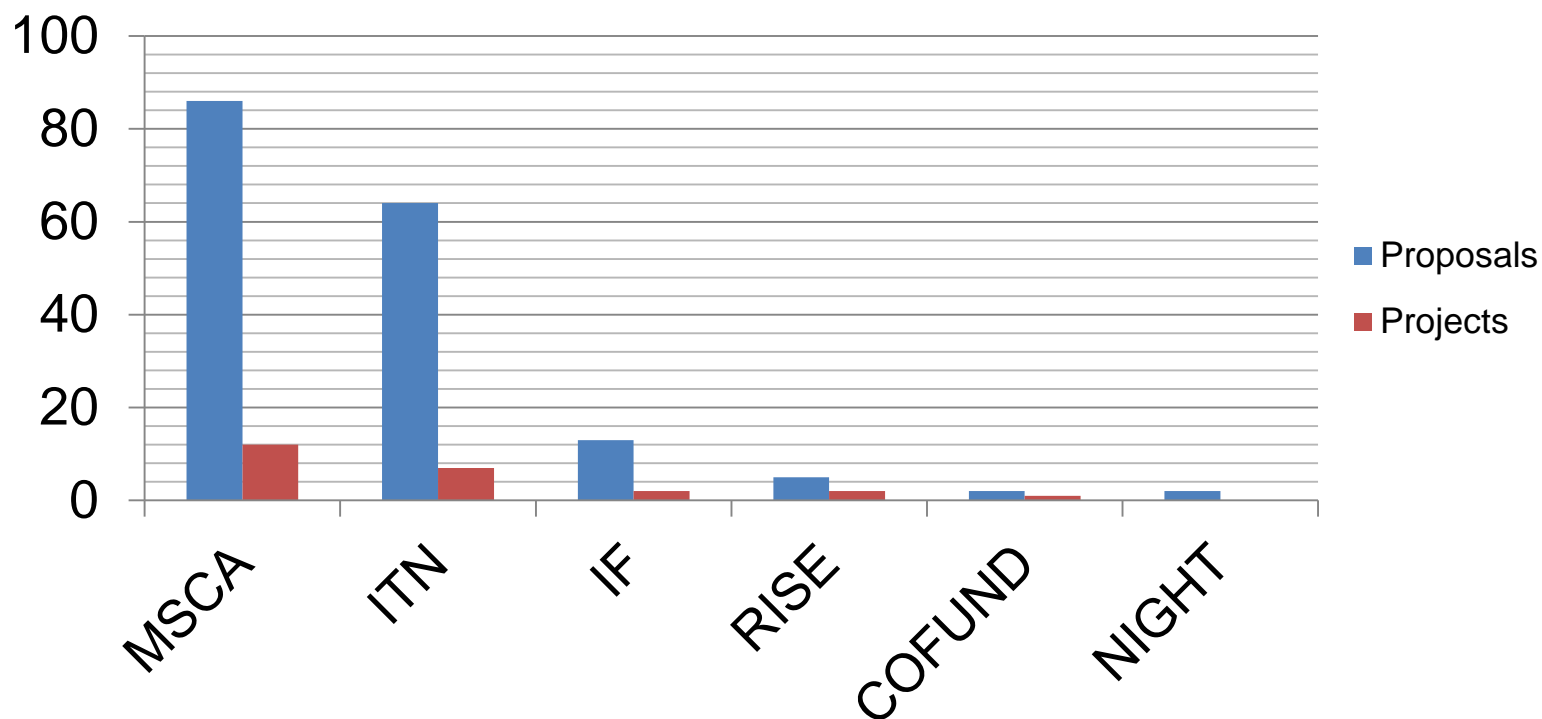# 65 Icelandic researchers funded by MSCA (2007-2013)
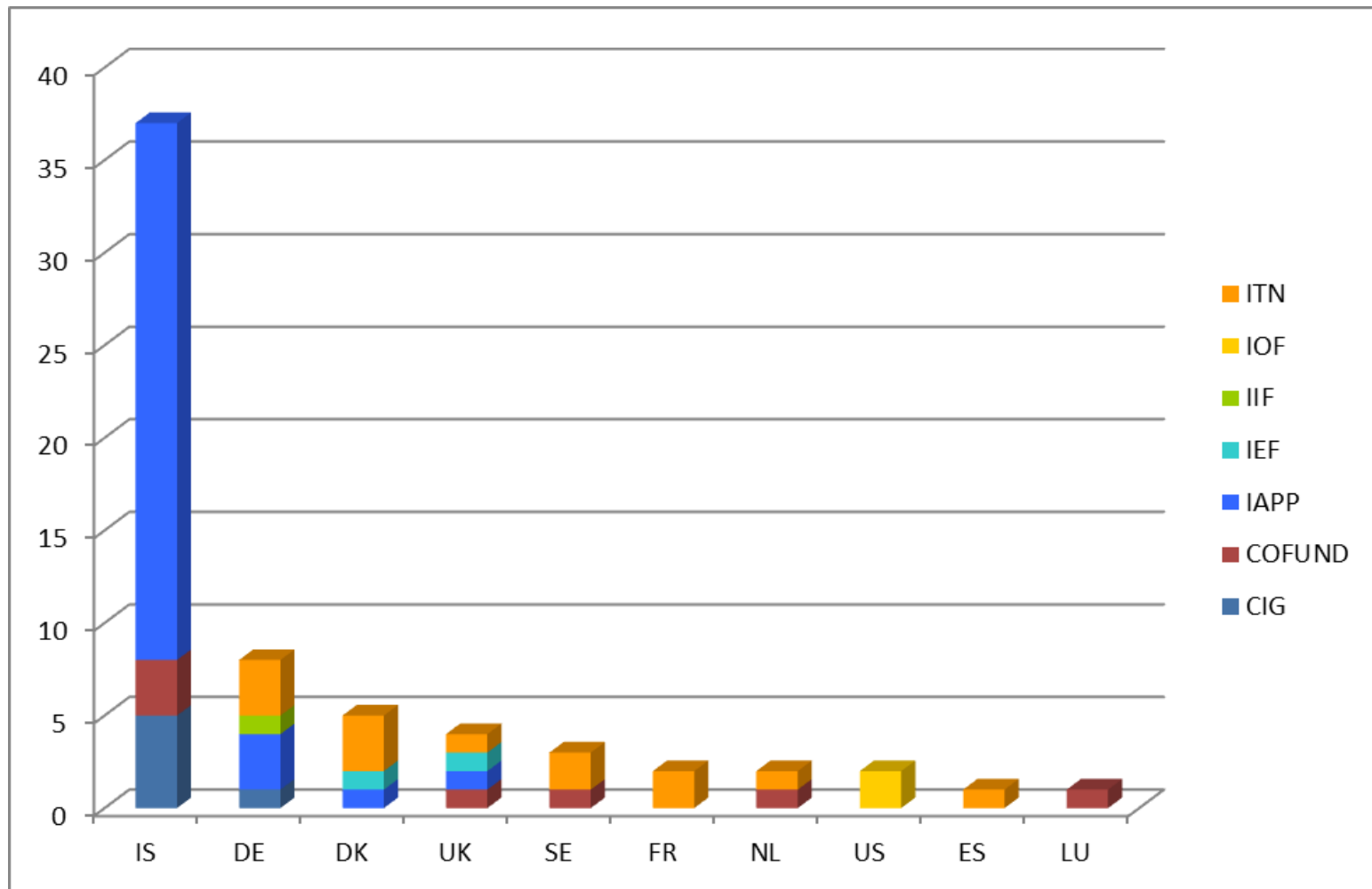
8 Icelandic researchers funded by MSCA (2014-2020)

RISE secondments to and from Iceland in MSCA (2014-2020)

Legend:
- From Iceland: 33 RM* 33 researchers
- To Iceland: 25 RM* 25 researchers

Chart data:
- BY: From Iceland 19, To Iceland 12
- AM: From Iceland 12, To Iceland 12
- PH: From Iceland 2, To Iceland 1

European Commission | Education and Culture

MSCA applications/projects (2014-2020) with Icelandic organisations

What can be funded?

1) Costs of researchers/fellows and seconded staff

Living allowance or Top-up allowance

Mobility allowance

Family allowance

2) Organisational costs for host institutions

Research, networking and training costs

Management and indirect costs

European Commission | *Education and Culture*

MSC actions – Financial Overview

RISE

Research, networking, training costs	1800 €	Top-up allowance	2000 €
Management and indirect costs	700 €		

ITN

Research, networking, training costs	1800 €	Living allowance*	3110 €
Management and indirect costs	1200 €	Mobility allowance	600 €
		Family allowance	500 €

IF

Research, networking, training costs	800 €	Living allowance*	4650 €
Management and indirect costs	500 €	Mobility allowance	600 €
		Family allowance	500 €

COFUND

Management costs	325 €	Living allowance Early-stage researchers	1855 €
		Living allowance Experienced researchers	2625 €

* The living allowance base rate is multiplied by Country Correction Coefficient – for Iceland 116,6%

European Commission | Education and Culture

Innovative Training Networks (ITN): Main characteristics

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

European Commission | Education and Culture

Innovative Training Networks

Support for early-stage/doctoral research training through:

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

European Commission | Education and Culture

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**

*except areas of research covered by the EURATOM Treaty

European Commission | Education and Culture

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…).

- Collaboration and exchange of knowledge within the network

- Communication & Dissemination

- Public engagement

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 (PIC number) of entities is applied to determine the domain of each participant

European Commission | Education and Culture

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 ⬆

European Commission | Education and Culture

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.

Hosting at the **premises** of the beneficiary

ITN three implementation modes

ETN

European Training Networks

Participants implement a joint research programme

370 M€
(2017)

EID

European Industrial Doctorates

Doctoral programme with the non-academic sector

28 M€
(2017)

EJD

European Joint Doctorates

Doctoral programme to deliver joint degrees

32 M€
(2017)

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

European Commission | *Education and Culture*

Eligibility rules?

EU 28 Member States (MS)
Associated Countries (AC)
Third Countries (TC)

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 + 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 Commission | Education and Culture

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 (≤30% time)
- ✓ Joint supervision recommended
- ✓ Partner organisations (any country/sector)

European Commission | Education and Culture

ETN

Participants implement a joint research training programme

Beneficiaries

Partner organisations

European Commission | Education and Culture
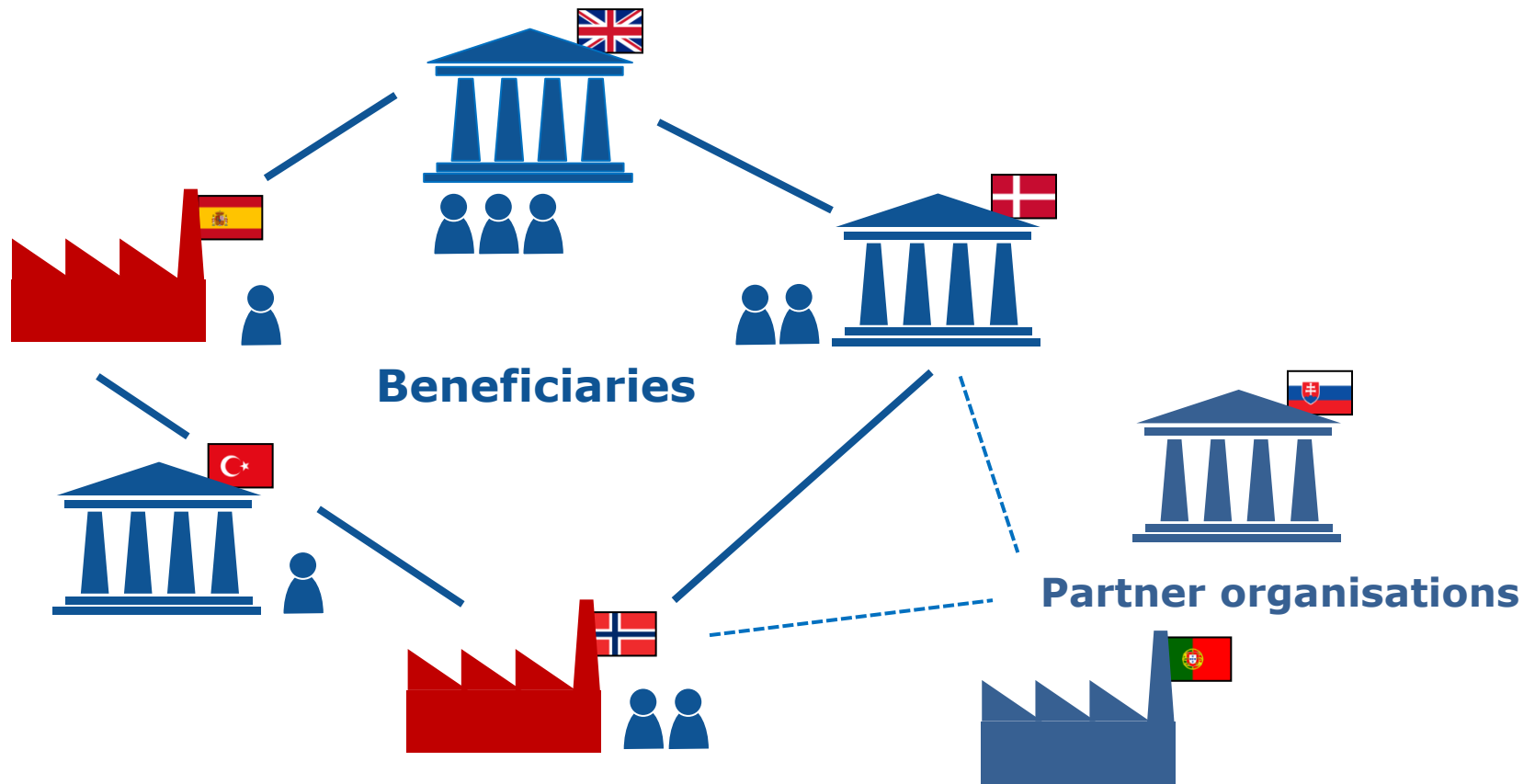
European Industrial Doctorates (EID)

EID | Doctoral training with the non-academic sector

- ✓ Min. 2 organisations from 2 different EU/ associated countries 1 academic + 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 ≥50% of time in non-academic sector
- ✓ Secondments possible
- ✓ Partner organisations (any country/sector)

European Commission | Education and Culture

EID

Doctoral training with the non-academic sector

≥ 50% time for each ESR in the non-academic sector

Beneficiaries

Partner organisations
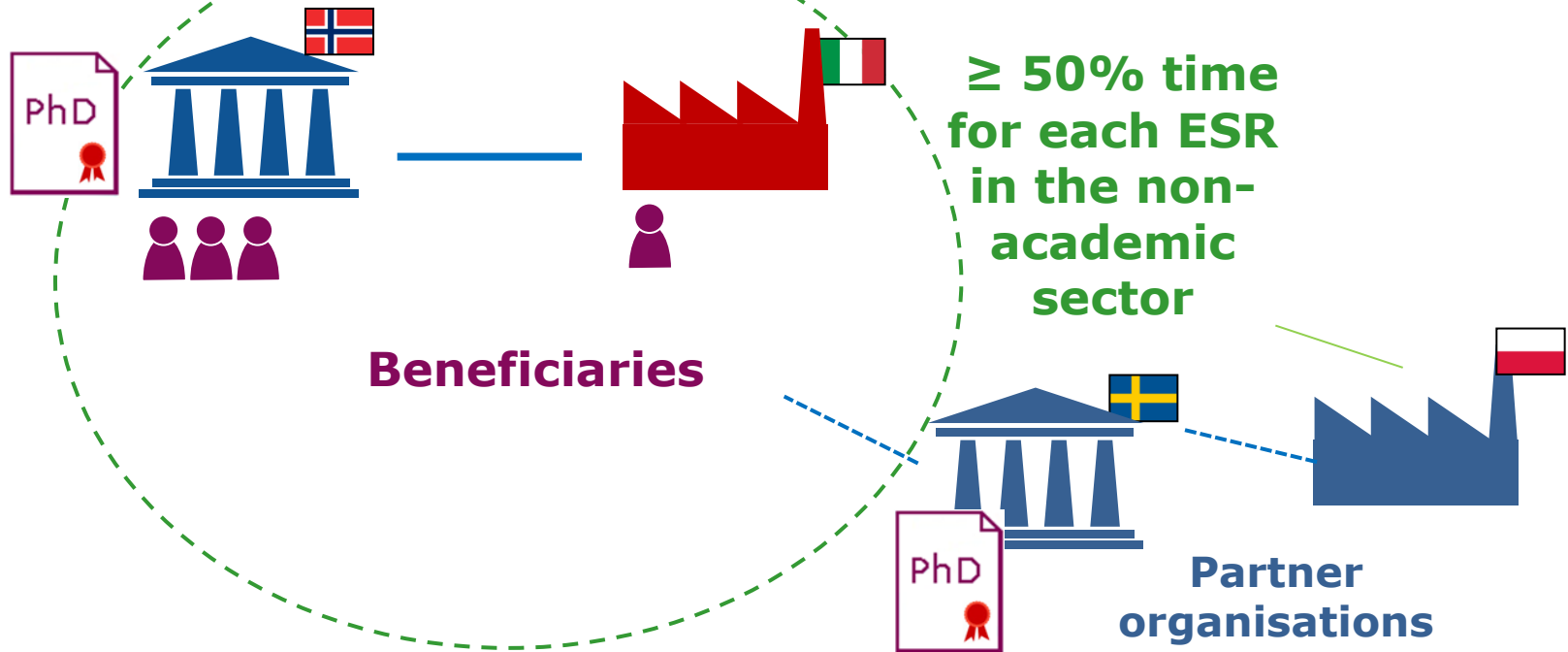
Alternative: If academic beneficiary cannot award PhD degrees

2 beneficiaries: max 180 PM

European Commission | Education and Culture

EID

Doctoral training with the non-academic sector

non-academic sector
≥ 50% time
for each ESR

PhD

Beneficiaries

Partner organisations
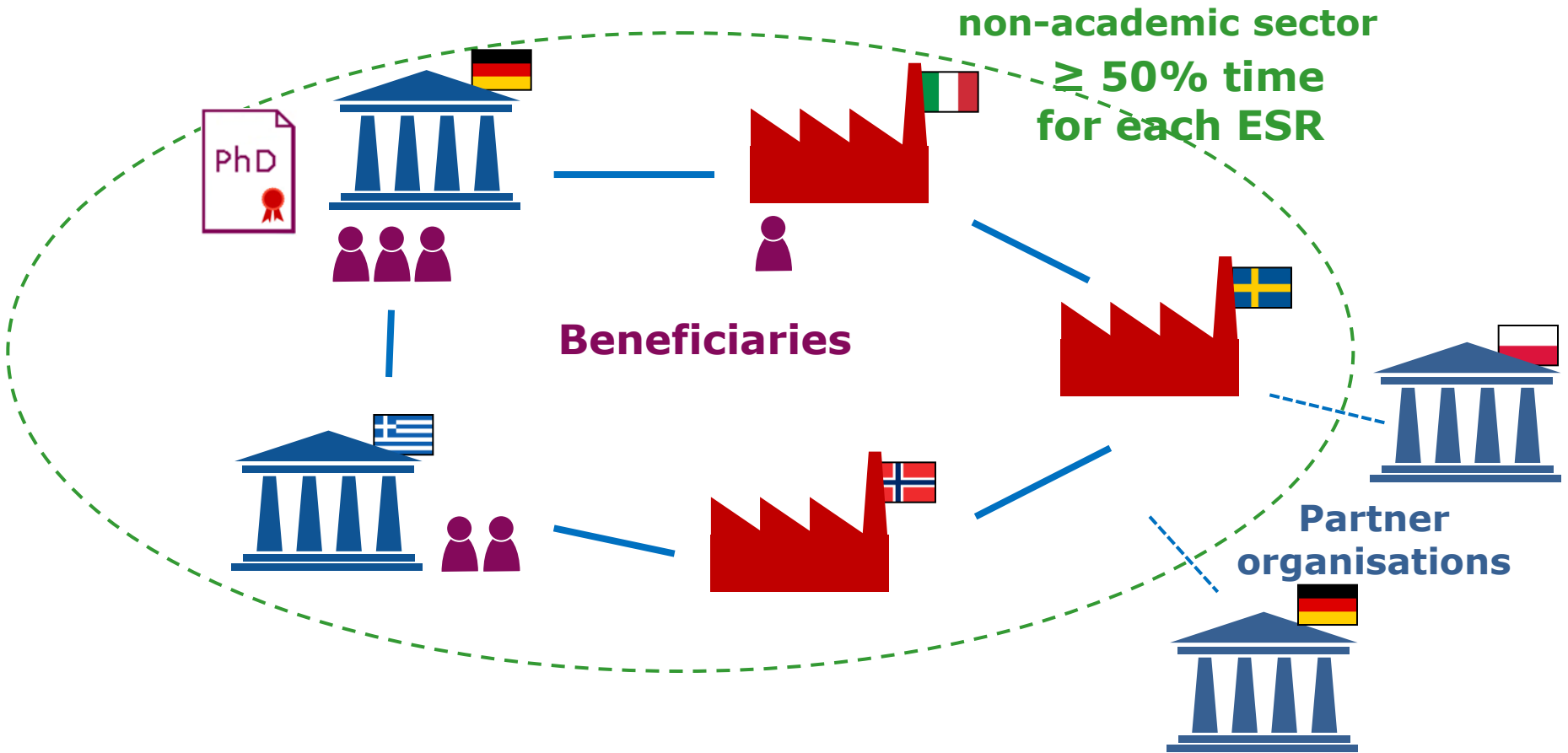
≥3 beneficiaries: max 540 PM

European Commission | Education and Culture

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 a joint doctoral programme
- ✓ Joint selection, training and supervision
- ✓ Commitment to deliver joint/double/multi degrees (MS/AC)
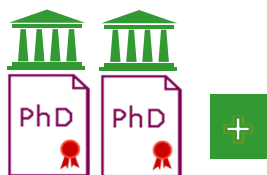- ✓ Max 540 person-months

Other features

- ✓ Meaningful stays at joint doctorate beneficiaries
- ✓ Non-academic participation through secondments
- ✓ Flexible recruitment rule

EJD **Universities cooperating to deliver joint/multiple doctoral degrees**

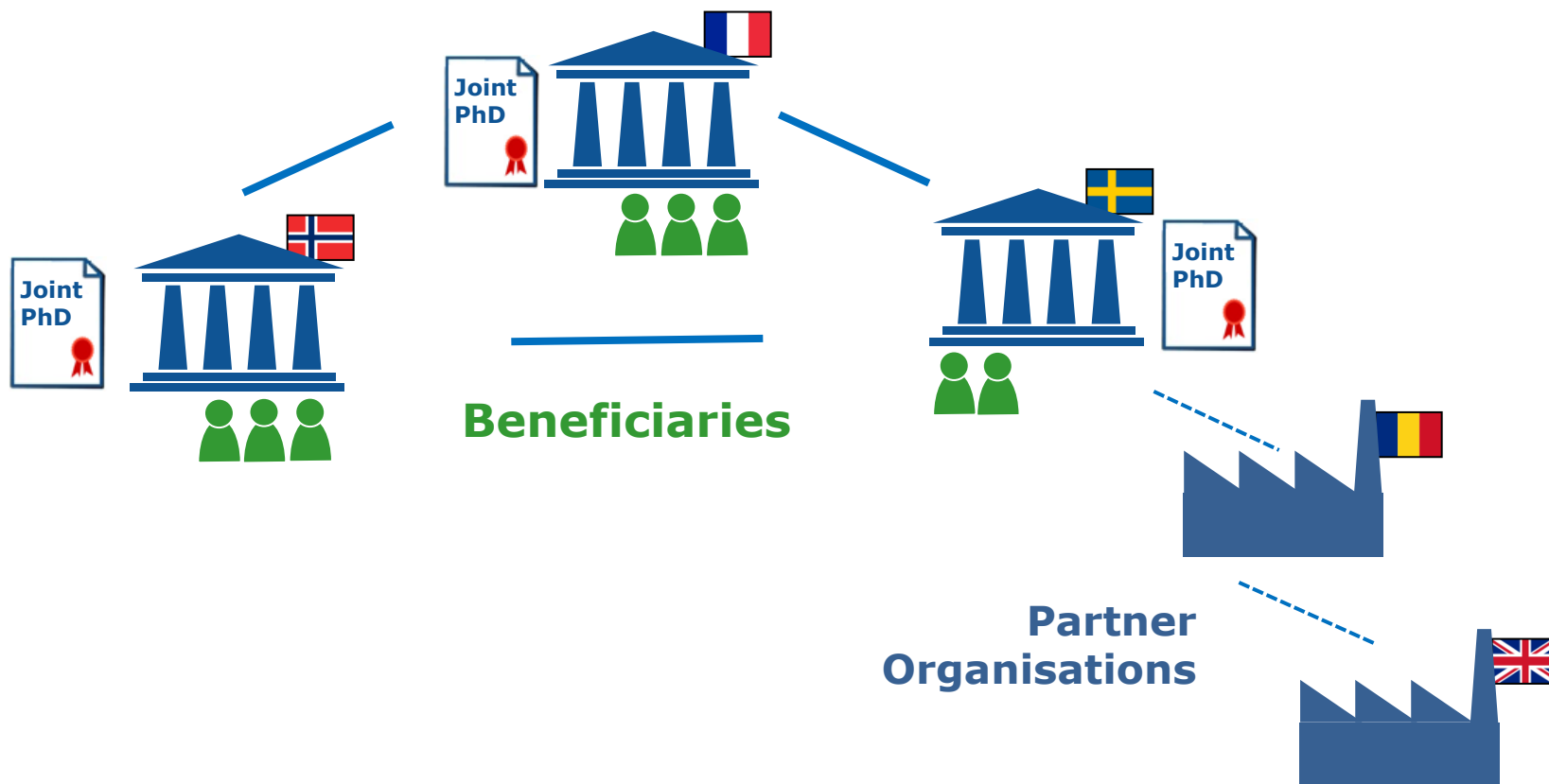**Joint degree:** single diploma issued by at least 2 academic institutions, and recognised officially

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 joint degrees are required in the proposal

European Commission | Education and Culture

EJD

Universities cooperating to deliver joint/multiple doctoral degrees

Joint PhD

Joint PhD

Joint PhD

Beneficiaries

Partner Organisations

European Commission | Education and Culture

Overview

	ETN	EID	EJD
Beneficiaries	≥3 from 3 diff. MS/AC Any type	≥2 from 2 diff. MS/AC: (≥1 acad.* + ≥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 mandatory	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€)

*EID: if academic beneficiary cannot award PhD degree, a partner organisation must be able to award

European Commission | Education and Culture

MSCA 2016-2017 Calls

Funding scheme	Call deadlines	Budget
ITN	15/10/2015 – 12/01/2016 **15/09/2016 – 10/01/2017**	EUR 370.00 million EUR 430.00 million
IF	**12/04/2016 – 14/09/2016** 11/04/2017 – 14/09/2017	EUR 218.50 million EUR 248.00 million
RISE	08/12/2015 – 28/04/2016 **01/12/2016 – 05/04/2017**	EUR 80.00 million EUR 80.00 million
COFUND	**14/04/2016 – 29/09/2016** 05/04/2017 – 28/09/2017	EUR 80.00 million EUR 80.00 million

European Commission | Education and Culture

IPR Helpdesk for IPR-related issues

https://www.iprhelpdesk.eu/

European Commission | Education and Culture

Enterprise Europe Network (EEN)

ENTERPRISE EUROPE NETWORK

European Commission > Enterprise Europe Network > Services > Our services

| Home | About | Services | Events | Success stories | News & Media |

Share Success Stories

📶 Success Stories Feed

</> Embed Success Stories

Services

Going international
Technology

Our services

Learn more about what we can do for your company in the following areas:

- Going international
- Technology transfer
- Access to finance
- Research funding
- Advice on EU law and standards
- Intellectual property and patents
- Speak up on EU law

Search

enterprise europe network
Business Support on Your Doorstep

http://een.ec.europa.eu/

European Commission | *Education and Culture*

More Information

Marie Skłodowska-Curie Website

http://ec.europa.eu/msca

Horizon2020

http://ec.europa.eu/programmes/horizon2020

Participant Portal (applications/documents)

http://ec.europa.eu/research/participants/portal

Euraxess (jobs, rights, services, etc.)

http://ec.europa.eu/euraxess/

European Charter for Researchers

http://ec.europa.eu/euraxess/index.cfm/rights/whatIsAResearcher

MSCA on Facebook
https://www.facebook.com/Marie.Curie.Actions
MSCA on Twitter @MSCactions

European Commission | Education and Culture

For questions

- **H2020 Help desk**
- http://ec.europa.eu/research/index.cfm?pg=enquiries
- **Frequently Asked Questions**
- http://ec.europa.eu/research/participants/portal/desktop/en/support/faq.html
- **National Contact Points**
- http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html
- **Marie Curie Alumni Association**
- https://www.mariecuriealumni.eu/

European Commission | Education and Culture

Thanks for your attention

bodo.richter@ec.europa.eu

European Commission | Education and Culture