



Marie Skłodowska-Curie Actions

***Moving research talent
forward***

Individual Fellowships 2018
Info session Belgian NCPs
Brussels, 15 May 2018

Stijn Delauré
European Commission - Directorate-General for
Education, Youth, Sport and Culture - MSCA policy unit

Overview

- MSCA?
- MSCA & Belgium
- Novelties
- *IF-2018 call modalities (by Ilse De Waele, REA)*
- MSCA post-2020

Marie Skłodowska-Curie Actions *in Horizon 2020 (2014-2020)*

The three pillars of H2020



MSCA:

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

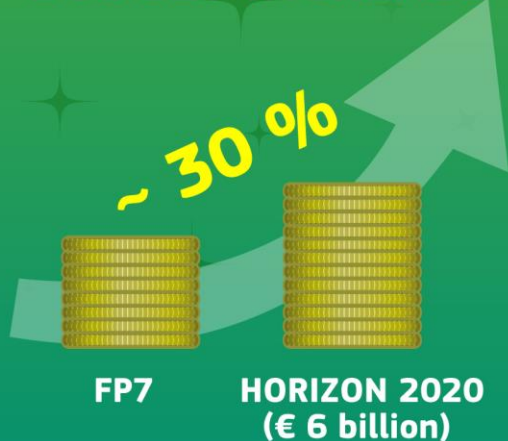
Objective:

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

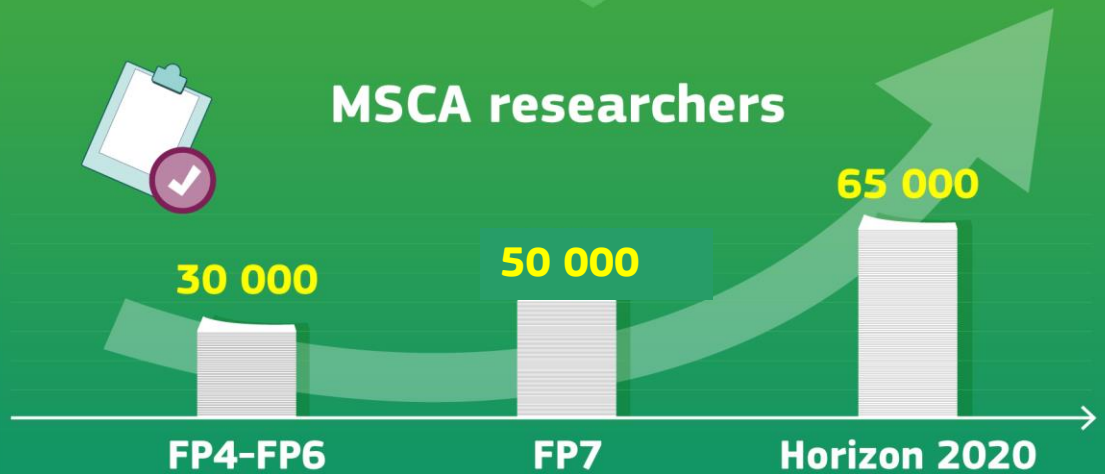
20 Years of MSCA

Marie Skłodowska-Curie Actions
have supported **more than
100 000 researchers** so far

BUDGET INCREASE



MSCA researchers



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MSCA key figures: Horizon 2020



9 Nobel laureates



1 Oscar winner

~100

SPIN-OFFS

~1500



PATENT APPLICATIONS

~25 000



PHD CANDIDATES

~1200



INTERNATIONAL AND INTERSECTORAL TRAINING PROGRAMMES

40 %



FEMALE RESEARCHERS

1 in 4



NON-EU RESEARCHERS

1 million visitors / year



EUROPEAN RESEARCHERS' NIGHT



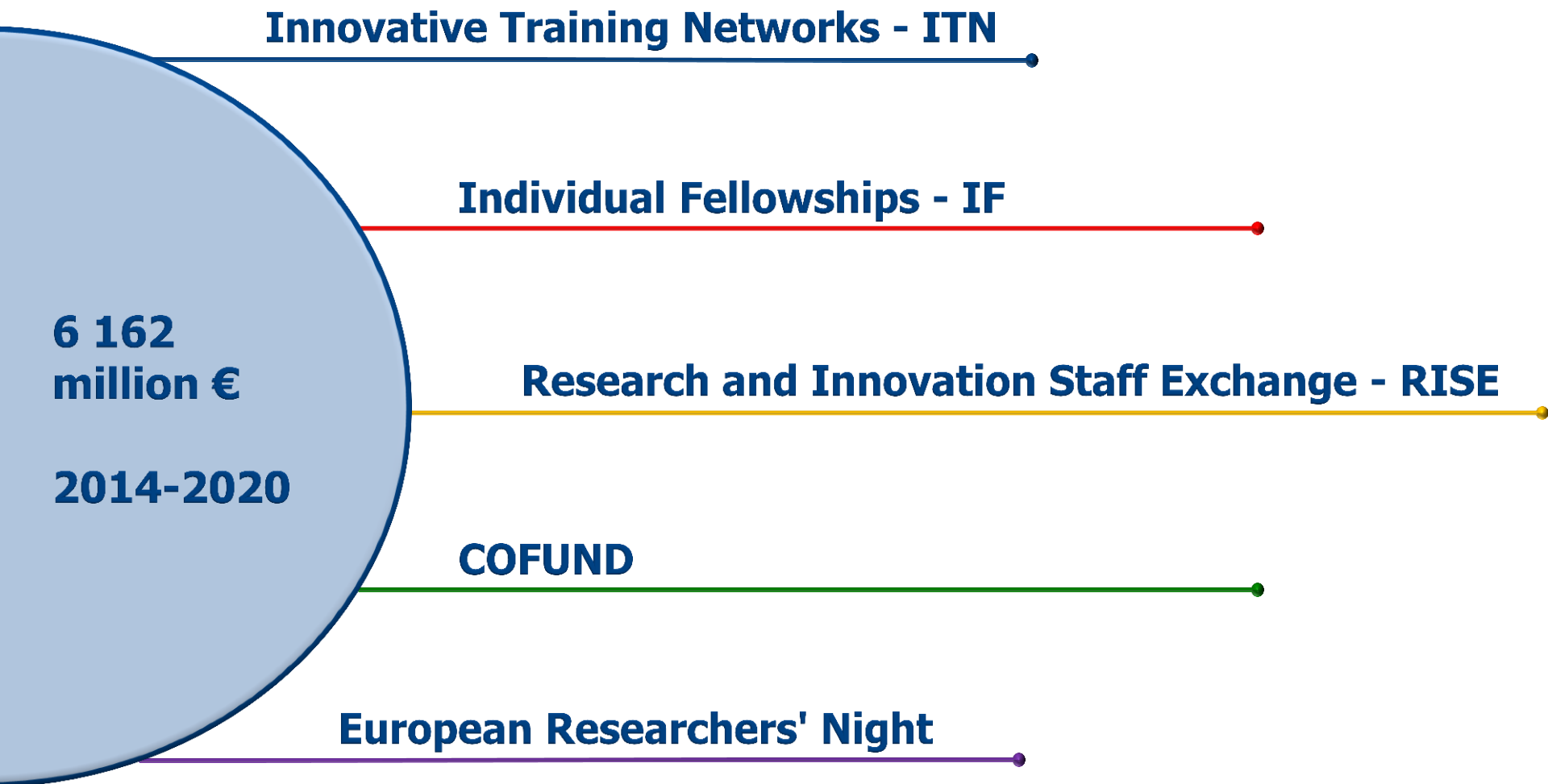
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MSCA key features

Research training and career development



MSCA: the different actions



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MSCA: the different actions

ITN: *host-driven, early-stage researchers*

(network recruiting ~PhD students)

IF: *individual, experienced researchers*

incoming & outgoing (~'post-docs')

RISE: *exchange of all types of research staff*

with 'Third Countries' and/or private sector

COFUND: *cofunding e.g. national schemes*

European Researchers' Night

outreach & communication

**6 162
million €**

2014-2020



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Seal of excellence for MSCA-IF

★ SEAL OF
EXCELLENCE



I very much welcome the initiatives of several Member States to introduce new funding schemes for MSCA Seal of Excellence recipients and I strongly encourage other countries to do the same.

Tibor Navracsics

Commissioner for Education, Culture, Youth and Sport



Image: © European Union 2017

#SealofExcellence

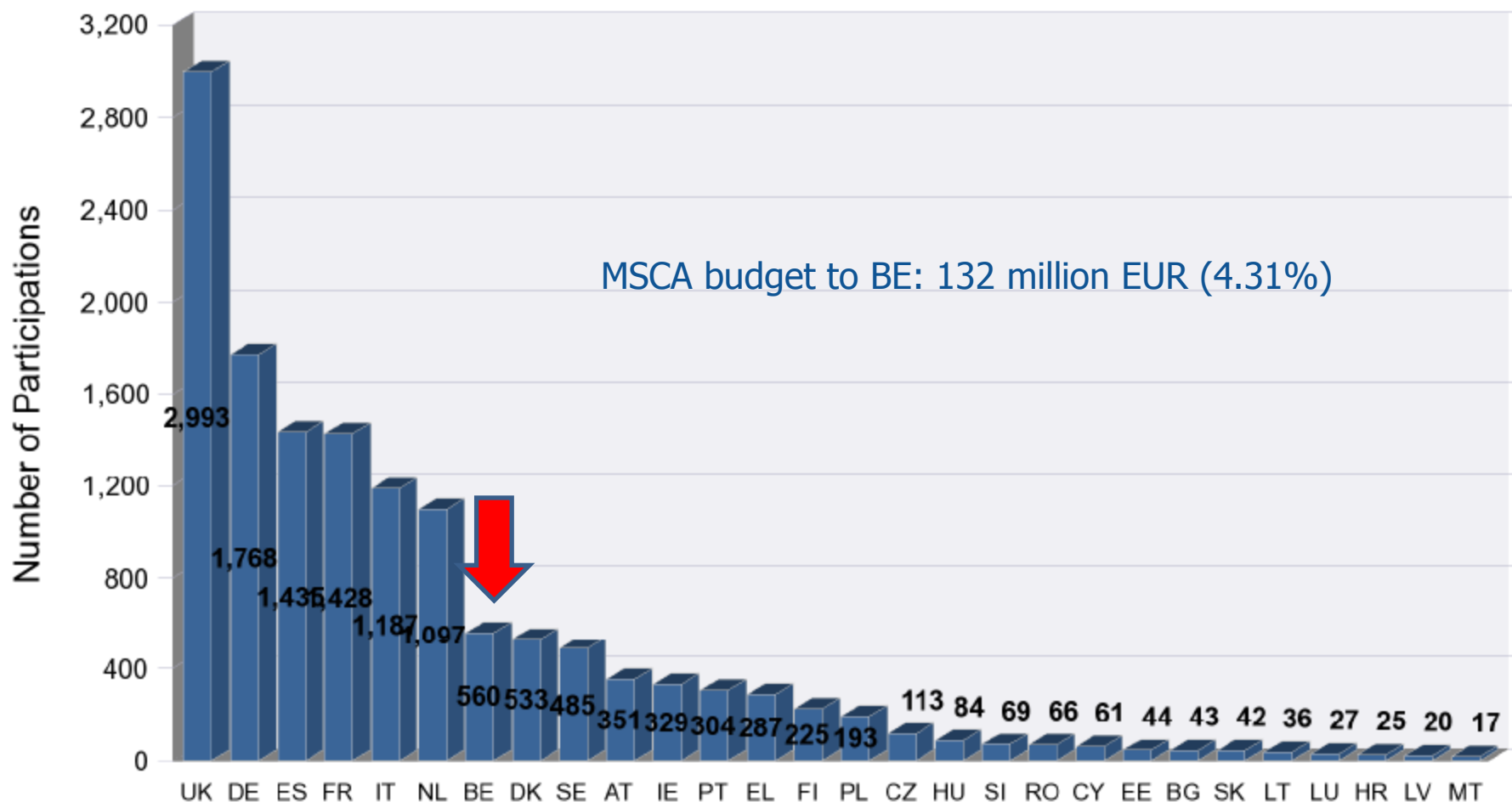
@EU_H2020

#H2020

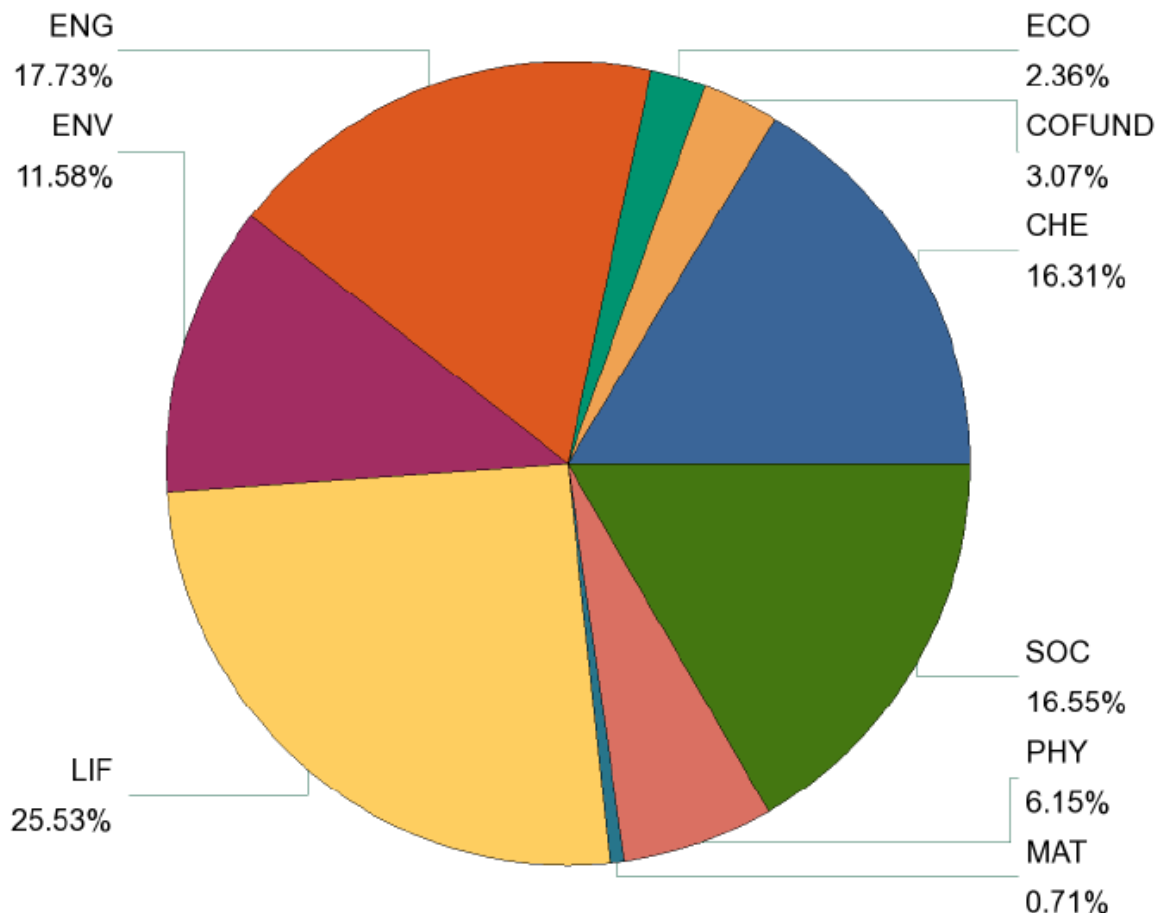
https://ec.europa.eu/research/soe/index.cfm?pg=opportunities_msca

BE in MSCA

Belgium in MSCA: figures (1)



Belgium in MSCA: figures (2)



Project distribution by scientific panel (BE)

Main evaluation panels

CHE: *chemistry*

ECO: *economic sciences*

ENG: *information science
& engineering*

ENV: *environment &
geosciences*

LIF: *life sciences*

MAT: *mathematics*

PHY: *physics*

SOC: *social sciences &
humanities*



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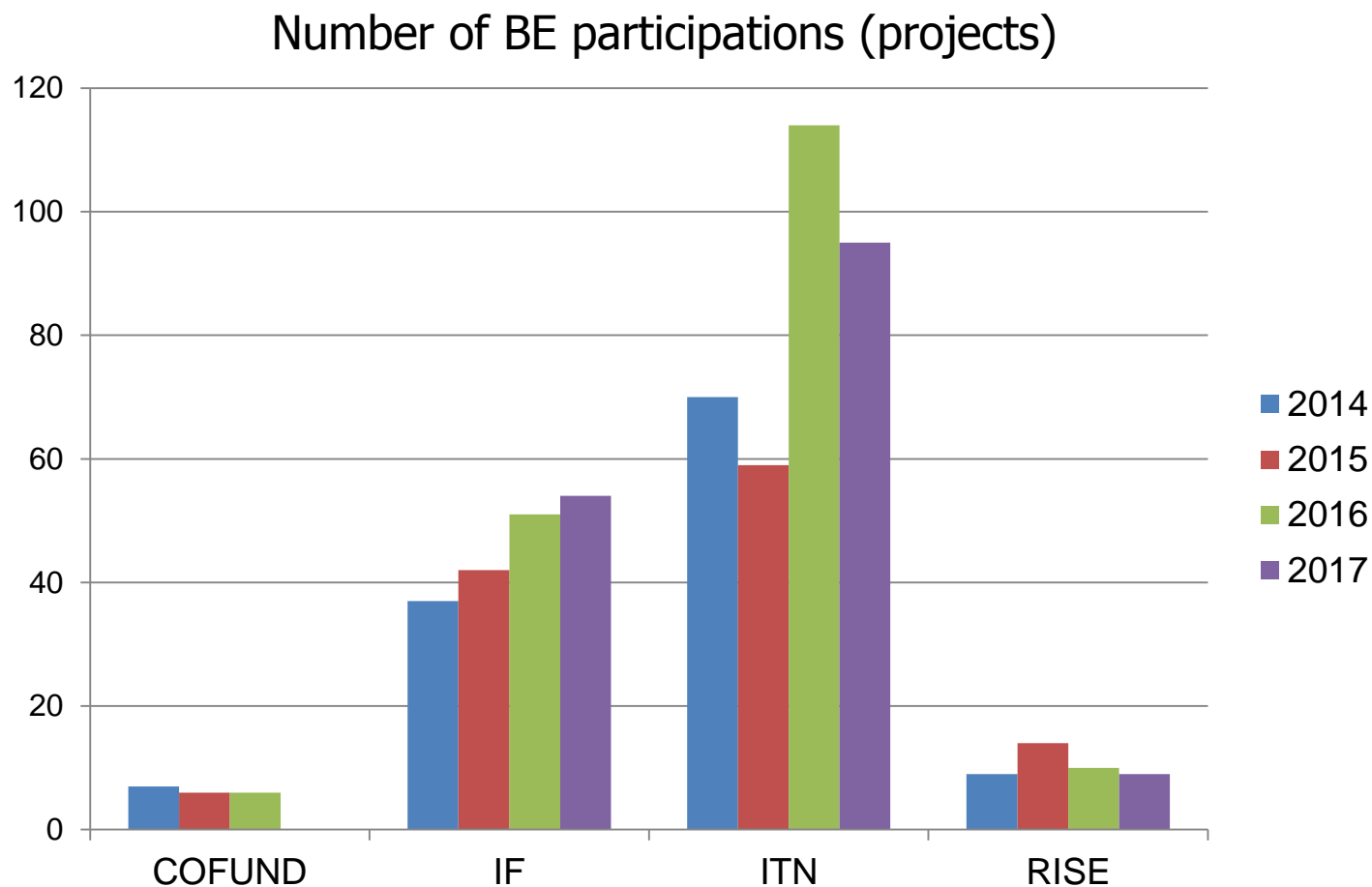
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Belgium in MSCA: figures (3)

| Actions | Participations (<i>as partner</i>) | Projects |
|----------------|---|-----------------|
| MSCA-COFUND | 17 (16) | 13 |
| MSCA-IF | 184 | 184 |
| MSCA-ITN | 317 (97) | 188 |
| MSCA-RISE | 42 | 38 |
| Total: | 560 | 423 |

| Top collaborative links with Belgium in MSCA | |
|---|--|
| <i>Country</i> | <i>Number of Collaborations</i> |
| DE - Germany | 697 |
| UK - United Kingdom | 619 |
| NL - Netherlands | 494 |
| FR - France | 465 |
| ES - Spain | 390 |

Belgium in MSCA: figures (4)

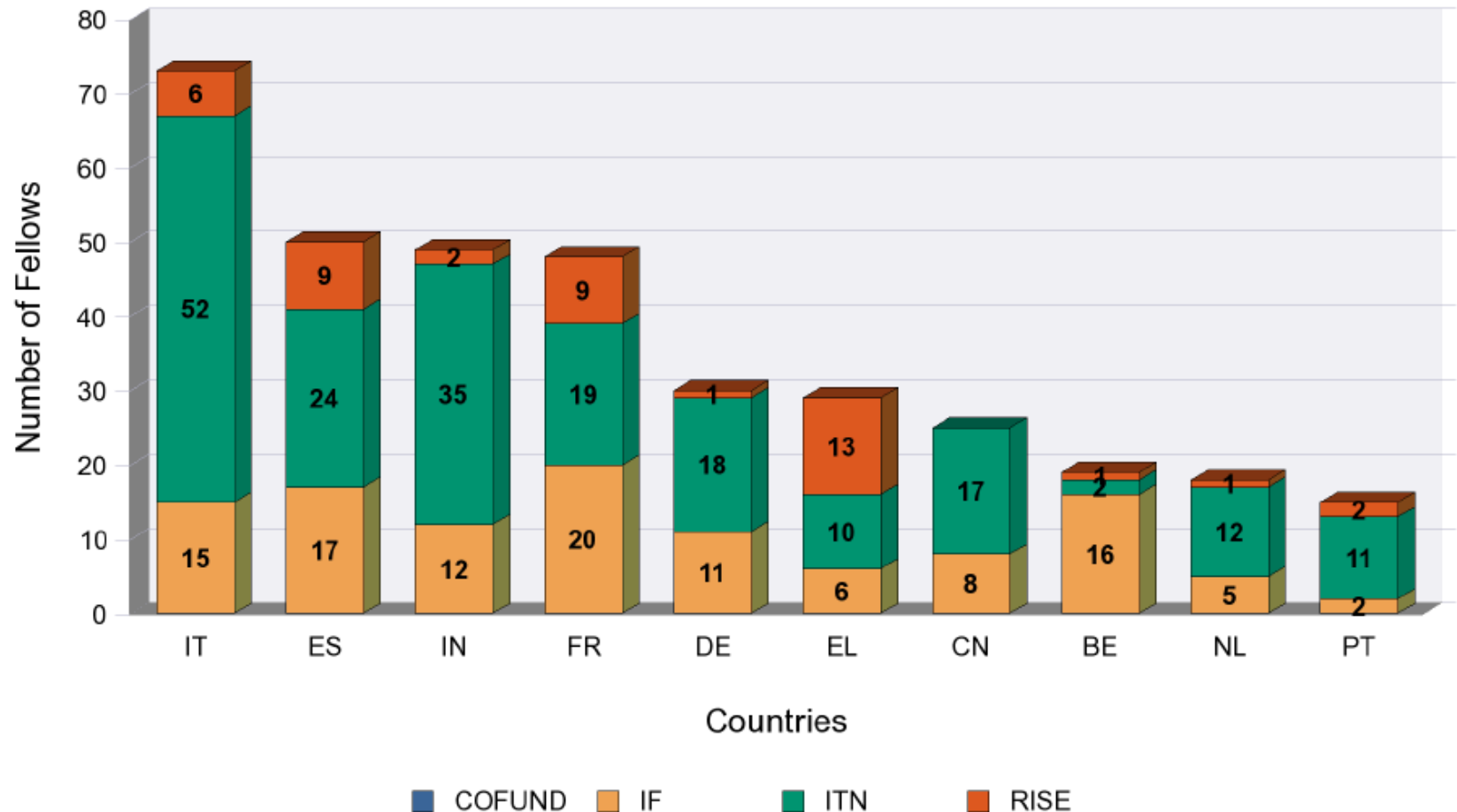


Belgium in MSCA: figures (5)

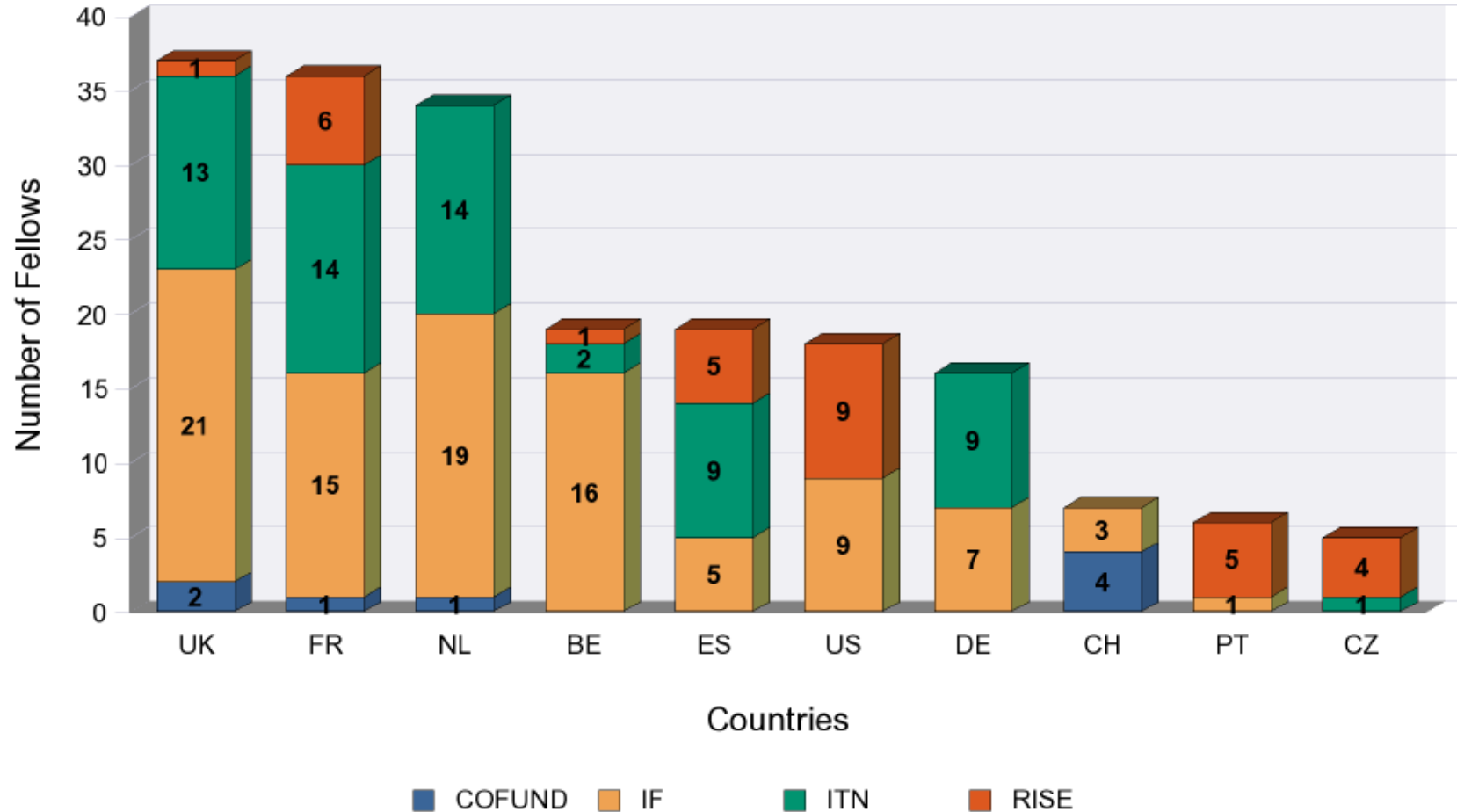
| Participating BE organisations by type of organisation | | % | BE | EU |
|---|-----|--------------------|-----------|-----------|
| Academic | 399 | Success rate | 9.9 | 11.1 |
| Non-Academic | 161 | Female/male | BE | EU |
| - <i>private for profit</i> | 137 | Gender balance | 41/59 | 41/59 |
| - <i>of which SMEs</i> | 39 | | | |
| * All participants, excl. Partner Organisations in ITN and COFUND | | | | |

| Top BE participating organisations in terms of EU contribution | EUR million | Number of participations |
|--|-------------|--------------------------|
| KU Leuven | 39.37 | 126 |
| Universiteit Gent | 15.24 | 50 |
| Universiteit Antwerpen | 8.05 | 35 |
| Université Catholique de Louvain | 7.90 | 27 |
| Université Libre de Bruxelles | 5.79 | 22 |

Belgium in MSCA: mobility patterns - fellows going to BE



Belgium in MSCA: mobility destination of BE nationals



MSCA 2018-2019 novelties

Call deadlines & budget 2018

| Funding scheme | Call opens | Call closes | Budget |
|----------------|------------|-------------|----------|
| ITN | 12/10/2017 | 17/01/2018 | 442 mEUR |
| IF | 12/04/2018 | 12/09/2018 | 273 mEUR |
| RISE | 22/11/2017 | 21/03/2018 | 80 mEUR |
| COFUND | 12/04/2018 | 27/09/2018 | 80 mEUR |

2018-2020 WP: what's new? (1)

ITN



IF



- 1 Cover costs for short secondments (up to 6 months) of researchers in ITN with the Research, Training and Networking costs
 - > Should cover at least **travel and accommodation costs**.
- 2 Revised rule on international mobility in European Industrial Doctorates (EIDs)
 - > Inter-sectoral mobility between beneficiaries **must be international**.
 - > Mobility to partner organisations is aligned with standard European Training Network (ETN) rules: **limited to 30%**; can be **international or not**.
- 3 European Joint Doctorates (EJDs): Researchers must take their joint degree always within Europe or with a European beneficiary

- 1 IF Career Restart Panel (CAR) and Reintegration Panel (RI) are strengthened
 - > Maximum duration of **CAR prolonged to 36 months**.
 - > **More budget** for both panels.
- 2 Part-time work for IF to pursue supplementary activities, such as creating a business, advanced studies, etc.
 - > **Agreement between supervisor and fellow necessary**.
 - > Minimum working time in MSCA: **≥50%**.
 - > **Proportional extension** of project.
- 3 Possibility to spend time at the European beneficiary before the outgoing mobility
 - > **Max. 3 months** (part of outgoing phase to ensure knowledge transfer when back).

2018-2020 WP: what's new? (2)



▶ **Optional introductory training for all MSCA fellows**

- > **Training on skills** necessary to face the challenges of tomorrow (such as digital-enabled open science and FAIR data management, responsible research and innovation, communication and outreach, project management).
- > **Information on their career** as MSCA researchers (rights and obligations as fellows, EU support for innovation, possibilities for worldwide collaboration).

More flexibility for third-country researchers through a revised long-term residency rule*:

- > **Only residence counts**, and not research activity and residence as before.
- > **Periods of absence are now allowed** during the 5 years of legal and continuous residence within EU Member States or Horizon 2020 Associated Countries.
- > **Refugees**, even though they are third-country citizens, **do not have to comply with the long-term residency rule when applying to the Reintegration Panel.**



2018-2020 WP: what's new? (3)

New financial support: MSCA Special needs

What?

Additional financial support to enable MSCA **participation** and **mobility** of **disabled** researchers

Which MSCA actions are concerned?

All MSCA actions

Who can benefit from this allowance?

Only **eligible** MSCA researchers with disabilities

Type of grant?

Grant awarded for the **purchase of items/services**

- > **Lump sum** grant to beneficiary
- > **Capped at EUR 60 000/researcher**

How will it be implemented?

As a **separate grant** to the beneficiary of the main MSCA grant

From when?

Tentatively available as of **first quarter of 2019** (retroactively to all ongoing projects)



Modification of the Country
Correction Coefficient



Increase by 5% of the living
and top-up allowances



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2018-2020 WP: what's new? (4)

Widening Fellowships (WF)

- specific support to researchers to undertake their fellowship in a "widening country"
- contribution to spreading excellence and closing the still apparent Research & Innovation gap within Europe
- implemented through the *Spreading Excellence and Widening Participation* part of the Horizon 2020 Work Programme 2018-20, in line with MSCA's high standards
- Which countries are concerned?



Member States: Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia and Slovenia.

Associated Countries: Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Former Yugoslav Republic of Macedonia, Georgia, Moldova, Montenegro, Serbia, Tunisia, Turkey and Ukraine.



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IF-2018 call

Ilse De Waele, Research Executive Agency

MSCA post-2020

Towards Horizon Europe

1. The Horizon 2020 interim evaluation
2. Lamy Report (LAB-FAB-APP)
3. Members States' & stakeholders' views

⇒ Commission proposal for Horizon Europe (7 June)

MSCA interim evaluation findings

- MSCA remains very **relevant** to challenges faced by EU (incl. setting standards) and appreciated by stakeholders
- Programme is being run efficiently but is **underfunded**
- Fosters **excellent science**, e.g., fellows twice as likely as average researchers to publish in top 1%/5% cited publications + 70% say they reached the next career stage faster thanks to MSCA
- Coherent with H2020, but: **increase uptake of ESIF** with H2020
- Only 6% of projects not funded by MSCA due to lack of budget were implemented at national level
- Effective: 1 in 4 fellows outside EU or AC + **MSCA account for more than half of all Third Country participations in Horizon 2020** + 45% of fellows experience cross-sectoral mobility
- Positive **structuring effect** on organisations (e.g. training, OTM-R)

Lamy Report's advice ~ MSCA

- Next FP has to "reinforce EU's human capital"
- "Achieve synergies with ESIF" & "Better align EU and national funding"
- "Simplify"
- FP9 should "increase resources for MSCA"
- MSCA: introduce "Industry Research Fellowship scheme"
- Be "open to talent from everywhere (incl. innovators)"

Our aims for MSCA in Horizon Europe

- Evolution, no revolution
- Keep it simple and straightforward
- A higher budget
- Deal with low success rates
- Support another 100,000 researchers & careers in Horizon Europe

MSCA in Horizon Europe: Proposed objectives

1. Nurturing Excellence through Mobility of Researchers across Borders, Sectors and Disciplines
2. Fostering new Skills through Excellent Training of Researchers
3. Strengthening Human Capital and Skills Development across the European Research Area
4. Improving and Facilitating Synergies
5. Reaching out to Stakeholders and the General Public

More information

Marie Skłodowska-Curie website

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

What's new? MSCA work programme 2018

http://ec.europa.eu/research/mariecurieactions/library_en

Horizon2020

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

Participant Portal (calls, online application, documents, FAQ, NCPs)

<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>

How to find partners

<https://cordis.europa.eu/partners/web/guest>

MSCA on Facebook

<https://www.facebook.com/Marie.Curie.Actions>

MSCA on Twitter

@MSCactions



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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/>

<https://www.net4mobility.eu/>

Net4M**bility**



How does your future MSCA look like?

stijn.delaure@ec.europa.eu