



## National Contact Point :

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- ✓ Cyrielle Tirman – CPU/Université d’Artois

## AMSC – premier bilan H2020 (ITN RISE)

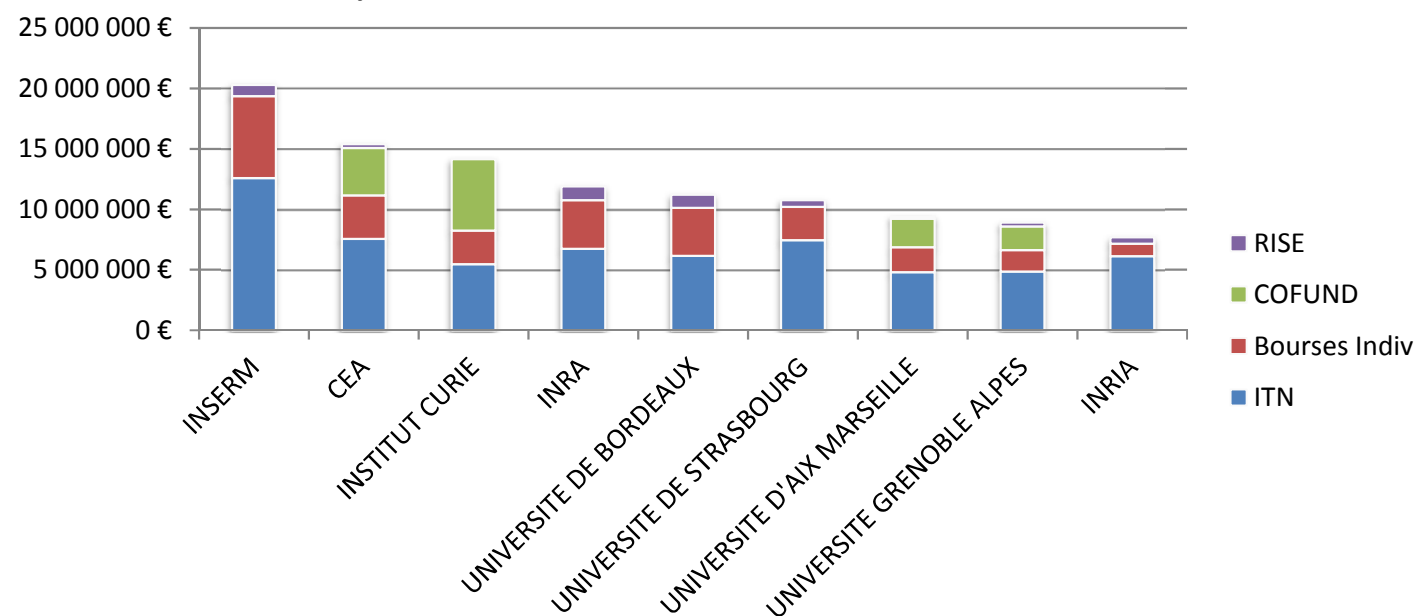
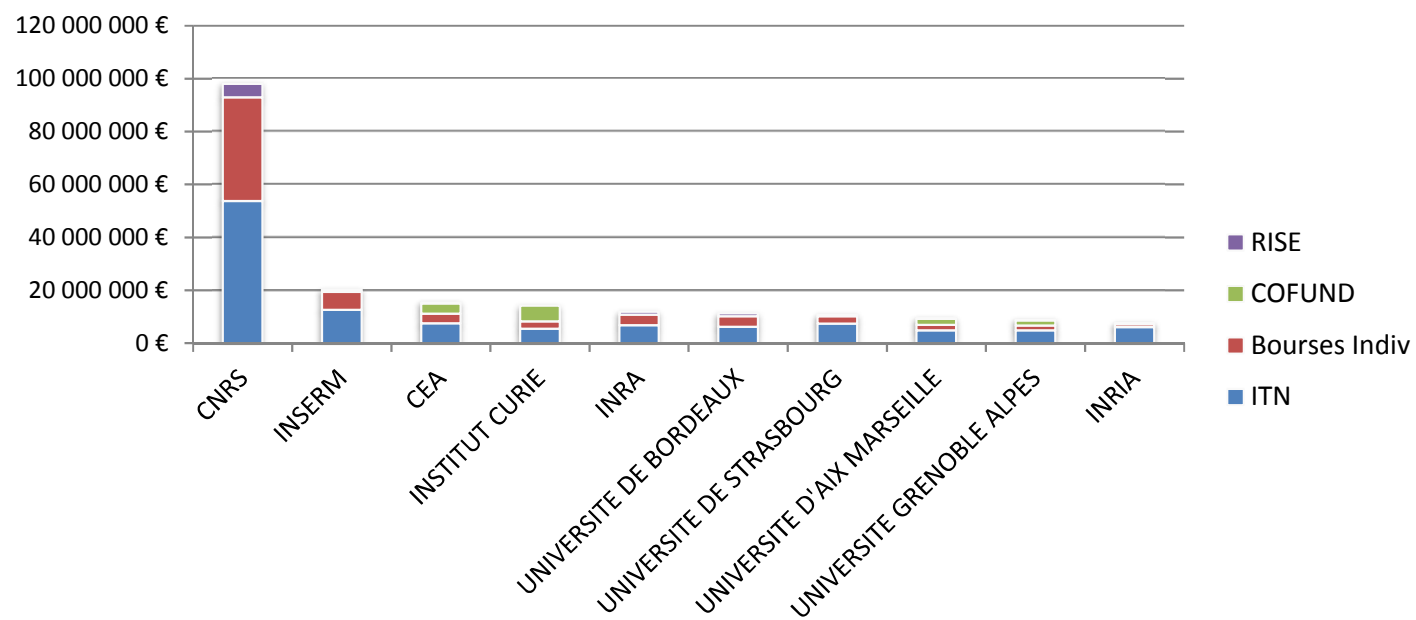
## 4 types d'action

Type of Action		H2020 EU Contribution
ITN	58%	2 768 686 082 €
IF	26%	1 223 938 345 €
COFUND	8%	402 624 540 €
RISE	8%	395 842 035 €

# Répartition MSCA

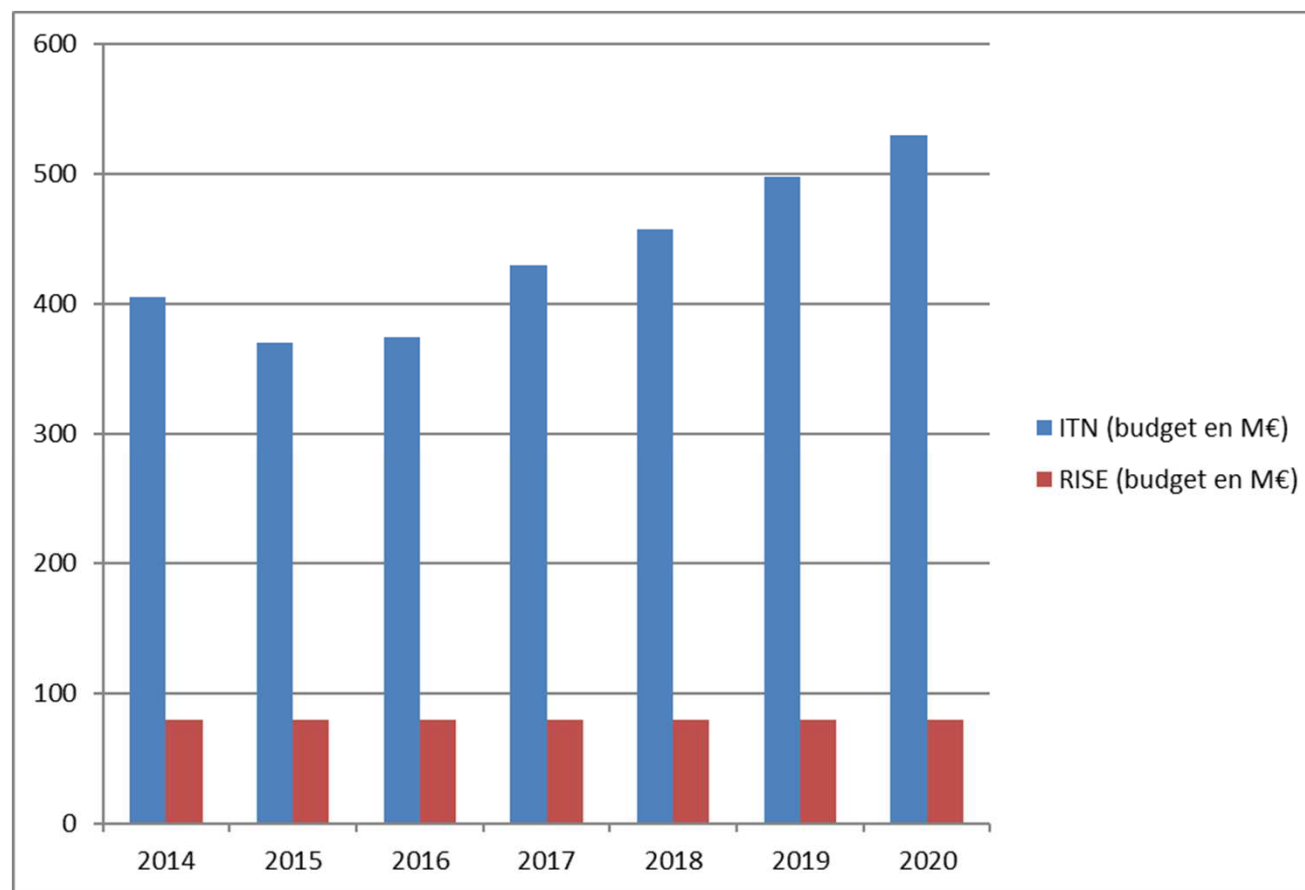
Country	participation ITN	coordination ITN	participation RISE	coordination RISE	Participation IF
Germany	1737	100	286	27	555
United Kingdom	1563	160	409	85	1974
Netherlands	1046	118	105	4	451
France	952	58	302	31	665
Italy	823	66	391	79	427
Spain	812	67	344	47	698
Belgium	533	53	55	3	251
Sweden	427	18	78	6	164
Switzerland	394	16	45	2	287
Denmark	350	52	46	4	340
Austria	310	12	73	4	132
Ireland	216	46	73	19	171
Portugal	203	6	136	26	85

# Répartition MSCA en France





## Evolution des budgets.





ITN

# ITN



European  
Commission

## ITN 2019: Modes & Budget

ETN

**European  
Training  
Networks**

*Participants implement a joint  
research training programme*

**400 M€**

EID

**European  
Industrial  
Doctorates**

*Doctoral training with the  
non-academic sector*

**35 M€**

EJD

**European  
Joint  
Doctorates**

*Universities cooperate to  
deliver joint degrees*

**35 M€**

Call Opening:

Call Closure:

Allocation of proposals:

Remote IER phase:

Remote Consensus phase:

Central Panel Reviews:

Ethics Screening:

Launch Grant preparation:

Starting dates:

13 Sep 2018

15 Jan 2019

29 - 31 Jan 2019

08 Feb - 05 March 2019

06 - 29 March 2019

01 - 05 April 2019

20 March - 15 April 2019

mid-May 2019

Sept 2019 - June 2020

Research  
Executive  
Agency

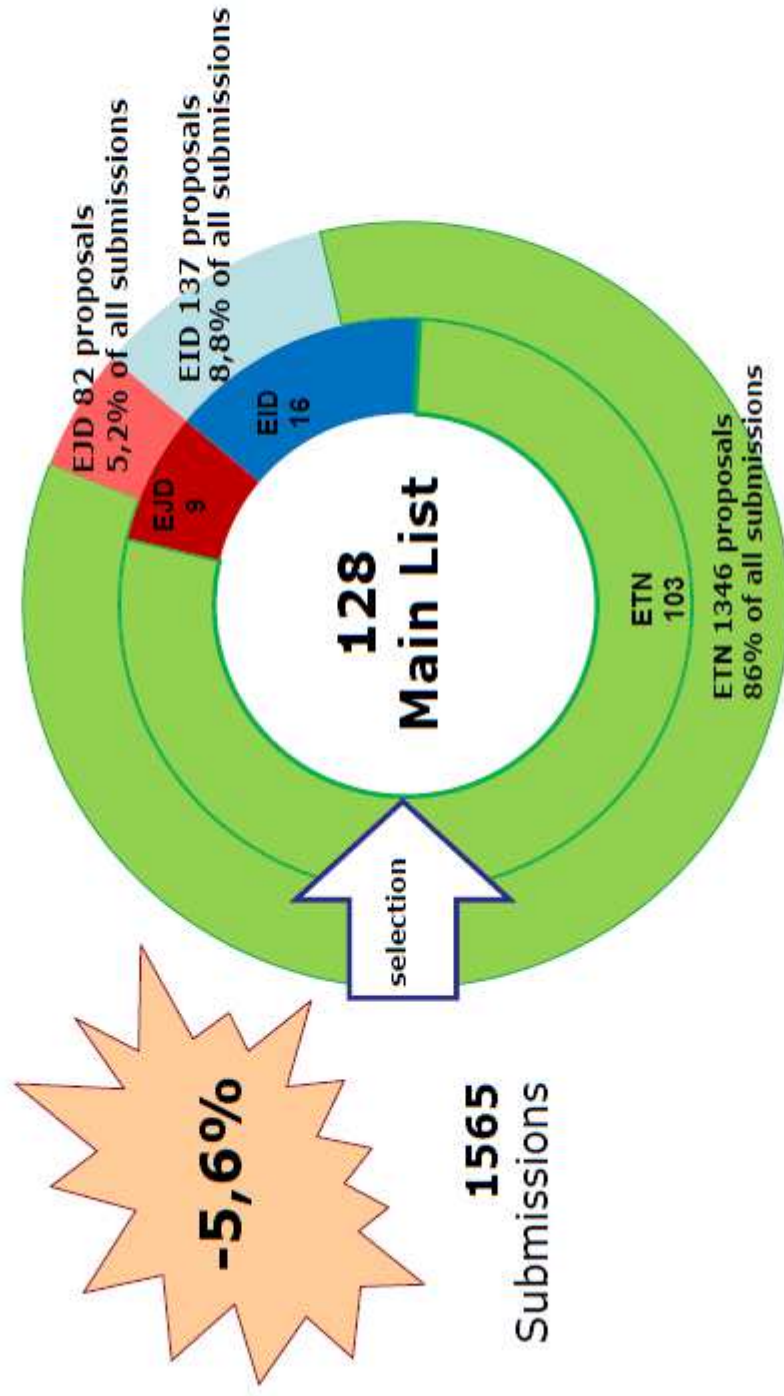


**ITN 2019**



European  
Commission

## Submitted & Main list proposals



Research  
Executive  
Agency

## Call ITN 2018

Country Name	Eligible Proposals	Retained Proposals	success rate
United Kingdom	1 192	86	7%
Germany	1 253	94	8%
France	954	60	6%
Italy	900	63	7%
Netherlands	852	73	9%
Spain	864	55	6%
Belgium	658	55	8%
Sweden	520	39	8%
Denmark	433	35	8%
Switzerland	524	44	8%
Austria	374	26	7%
Norway	267	15	6%
Ireland	247	23	9%
Portugal	314	19	6%
Finland	239	14	6%
Greece	246	14	6%

## Call ITN 2018

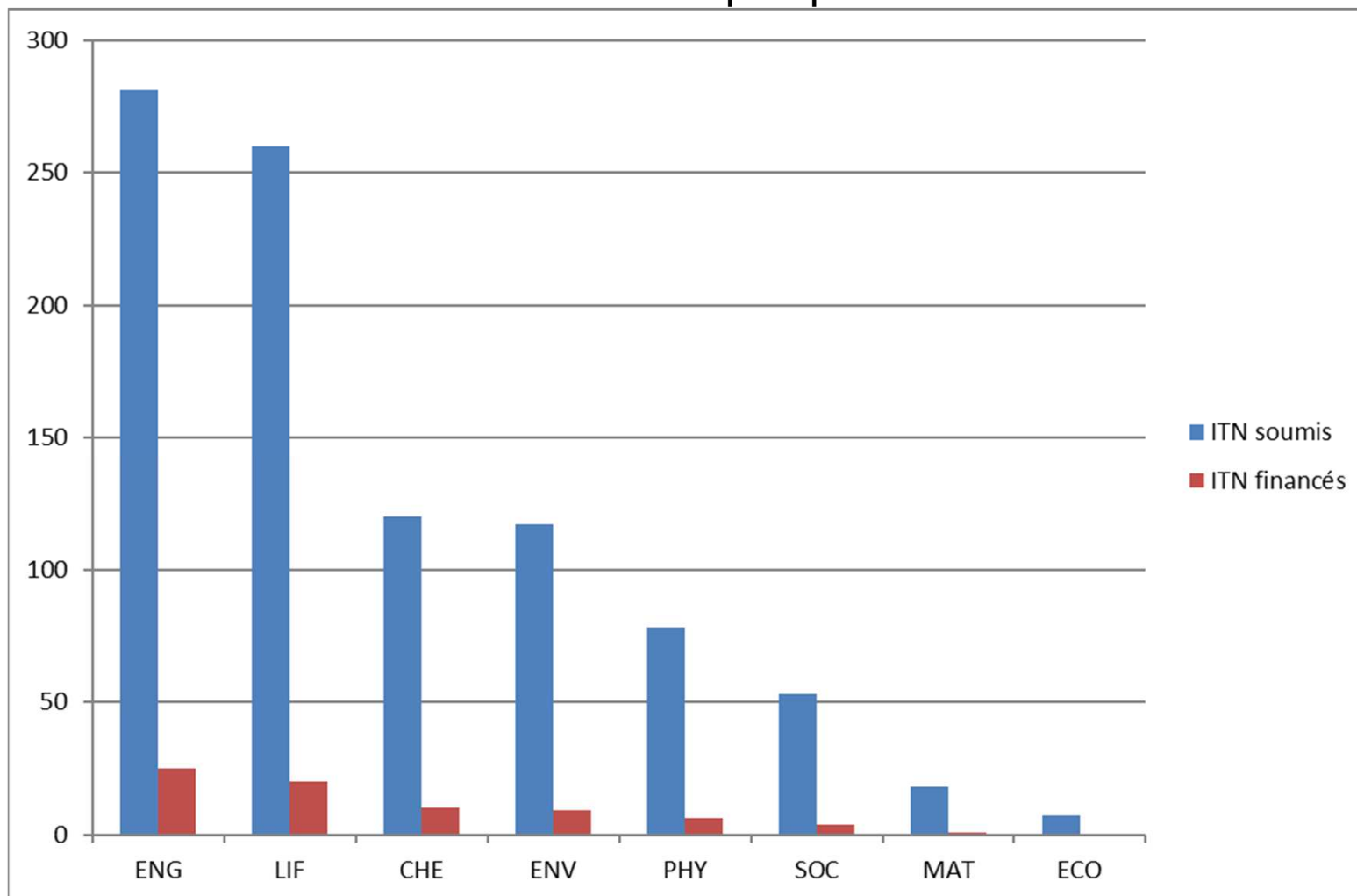
Legal Name	H2020 Participations
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	22
UNIVERSITE DE STRASBOURG	6
UNIVERSITE GRENOBLE ALPES	5
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	6
SORBONNE UNIVERSITE	3
UNIVERSITE D'AIX MARSEILLE	2
ELVESYS SAS	3
INSTITUT MINES-TELECOM	2
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	4
UNIVERSITE DE LILLE	4
UNIVERSITE PAUL-VALÉRY MONTPELLIER3	1
CHERRY BIOTECH	3
NOKIA BELL LABS FRANCE	2
UNIVERSITE PARIS DIDEROT - PARIS 7	6
ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS	2
CENTRE EUROPEEN DE RECHERCHE EN BIOLOGIE ET MEDECINE	2
COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	3
COMMUNAUTE D' UNIVERSITES ET ETABLISSEMENTS UNIVERSITE BOURGOGNE - FRANCHE - COMTE	1
ECOLE CENTRALE DE MARSEILLE EGIM	1
ECOLE NORMALE SUPERIEURE	1

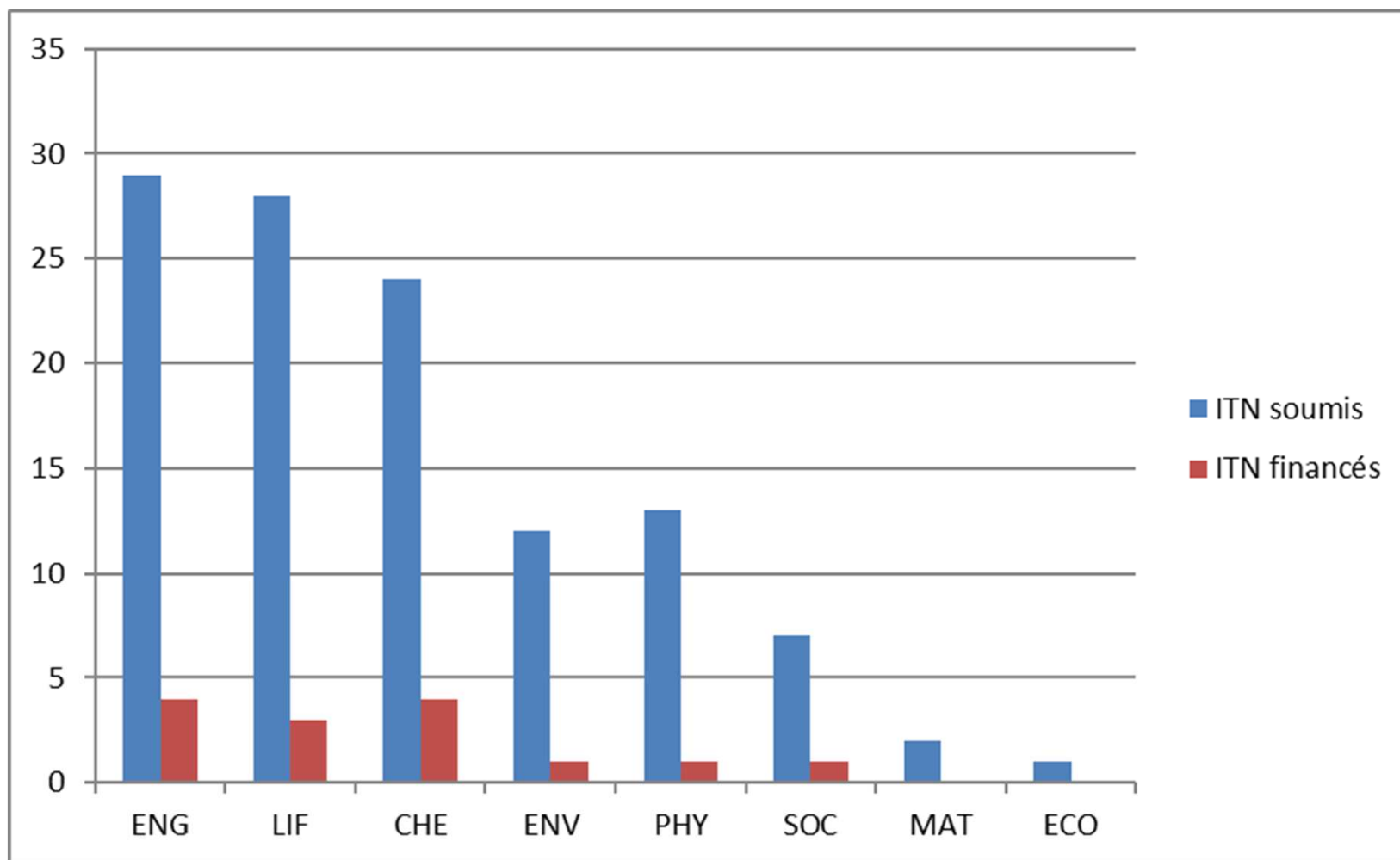


## Candidatures françaises parmi les projets évalués

Appel à projets	Propositions éligibles	Propositions financées	Taux de succès	Financement accordé
ITN-2014	634	59	9%	348 156 944 €
ITN-2015	867	63	7%	465 143 770 €
ITN-2016	863	57	7%	460 419 311 €
ITN-2017	964	78	8%	515 440 635 €
ITN-2018	954	60	6%	536 550 983 €
ITN-2019	934	75	8%	506 734 962 €

Projets avec la participation française  
Résultats 2019 par panel





# ITN 2020



## Modes & Budget

ETN

European  
Training  
Networks

*Participants implement a joint  
research training programme*

**~445 M€**

EID

European  
Industrial  
Doctorates

*Doctoral training with the  
non-academic sector*

**40 M€**

EJD

European  
Joint  
Doctorates

*Universities cooperate to  
deliver joint degrees*

**45 M€**

Call Opening:  
Call Closure:  
Allocation of proposals:  
Remote phase:  
Central Panel Reviews:  
Launch Grant preparation:

12 Sep 2019  
14 Jan 2020  
22 Jan - 24 Jan 2020  
07 Feb - 28 March 2020  
31 March – 04 April 2020  
mid-May 2020

Research  
Executive  
Agency

## ITN 2020: Main Changes and Novelties

### Evaluation:

- **Improved briefing for experts:** web-briefing with 4 animated videos, 1 manual for evaluators, Quiz embedded in a e-learning software (IF example)
- **IERs with no scores**
- **SEP workflow and functionalities** adjusted to ease the remote consensus discussion: teleconference system integration with new doodle functionality



# Evaluation review ITN



	No of evaluated proposals	No of submitted redress requests	% of submitted requests/evaluated proposals	Result A+B	Result C	Result D	Funded after re-evaluation	% of upheld cases (C+D)
ITN 2014	1153	10	0,87%	10	0	0	0	0,00%
ITN 2015	1563	18	1,15%	15	1	2	0	0,19%
ITN 2016	1567	22	1,40%	11	8	3	0	0,70%
ITN 2017	1714	27	1,58%	18	5	4	0	0,53%
ITN 2018	1650	25	1,52%	15	8	2	0	0,61%
ITN 2019	1554	19	1,22%	14	3	2	0	0,32%

## Result A

*The complaint is not admissible*

## Result B

*Absence of evidence to support the complaint – the results of the initial evaluation are confirmed.*

## Result C

*Evidence to support the complaint, but no re-evaluation recommended as the shortcoming is limited to a certain part of the evaluation and did not influence the overall outcome.*

## Result D

*Sufficient evidence to support the complaint, with a (full or partial) re-evaluation recommended.*



**RISE**

# RISE 2019



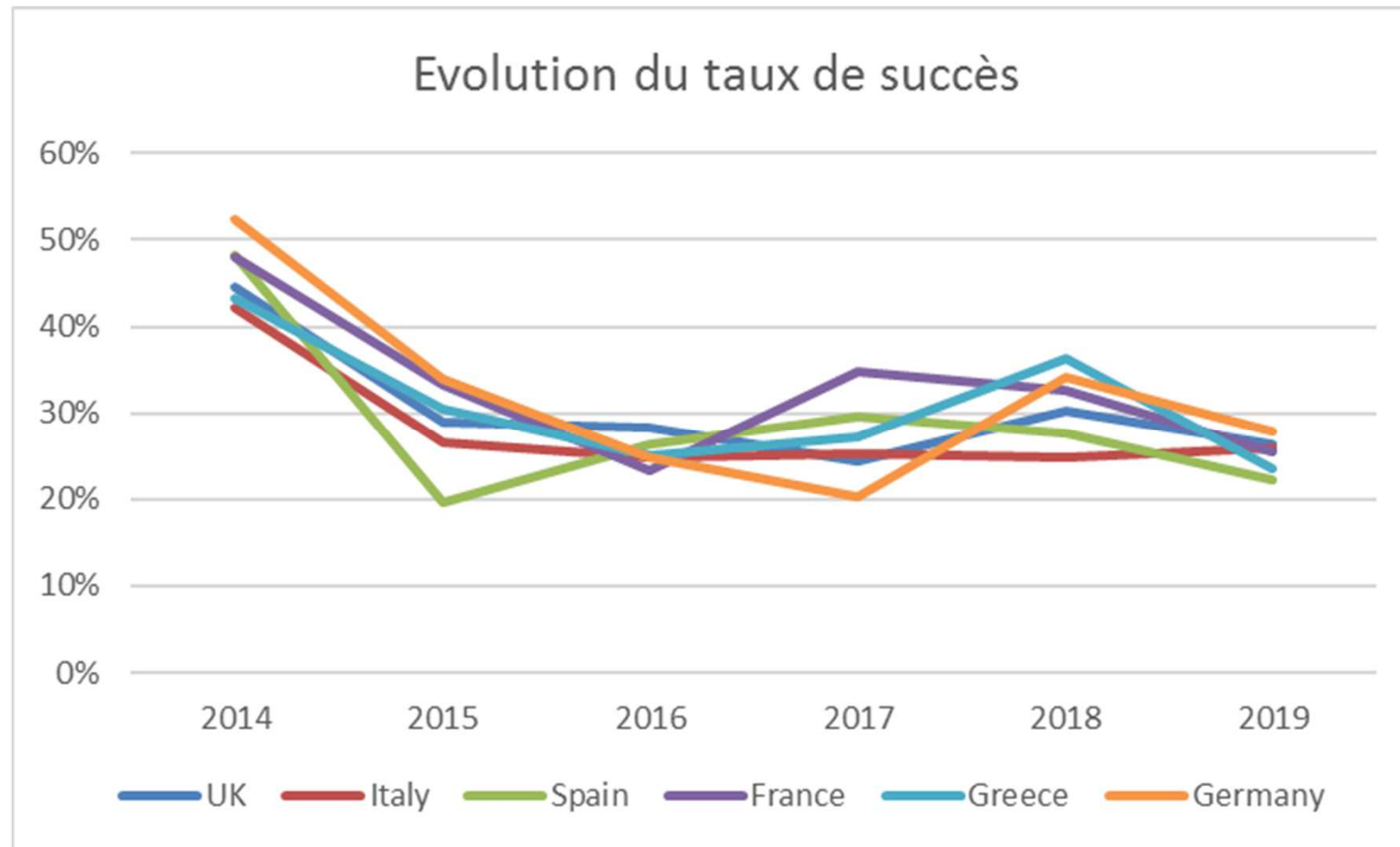
## RISE 2019 Main list:

	Eligible/ Admissible Proposals	Main list	Withdrawn	Signed GA*	Reserve list**	Success Rate***
<b>RISE- 2019</b>	305	67	0	0	-	22 %

\* GAP still ongoing

\*\* First Reserve list proposals expected to be invited for GAP, end of 2019 or beginning of 2020

\*\*\* Success rate calculated on the Main list



## Call RISE 2019

Country Name	Eligible Proposals	Retained Proposals	taux de succès
Italy	150	39	26%
Spain	139	31	22%
United Kingdom	121	32	26%
Germany	122	34	28%
France	98	25	26%
Greece	68	16	24%
Portugal	70	12	17%
Argentina	50	11	22%
Poland	56	9	16%
Ukraine	35	5	14%
Netherlands	56	18	32%
Chile	37	8	22%



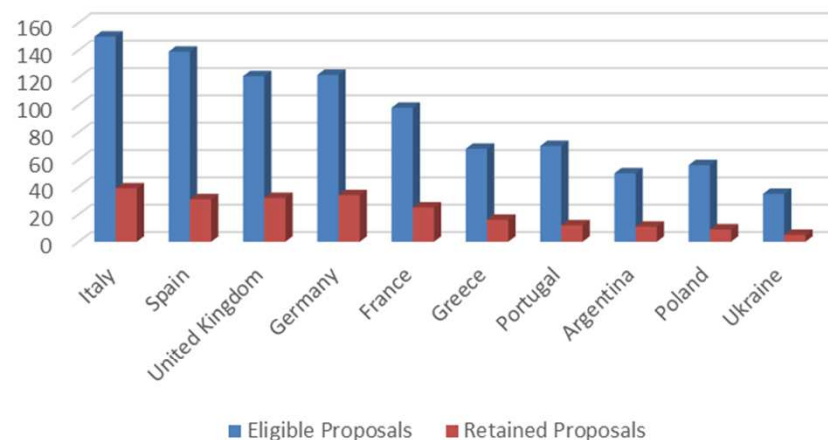
## 10 premiers pays en terme de participation

Country	H2020 Participations	%	rang des participations	H2020 Net EU Contribution
<b>totaux</b>	<b>4 432</b>	<b>100%</b>		<b>€ 387 520 635</b>
United Kingdom	406	9,2%	1	€ 54 111 600
Italy	382	8,6%	2	€ 52 297 255
Spain	340	7,7%	3	€ 42 389 550
France	298	6,7%	4	€ 33 307 085
Germany	281	6,3%	5	€ 30 563 135
Greece	179	4,0%	6	€ 26 912 800
Portugal	135	3,0%	7	€ 17 921 250
Poland	92	2,1%	9	€ 14 483 600
Netherlands	102	2,3%	8	€ 11 222 100
Ireland	72	1,6%	10	€ 9 759 580

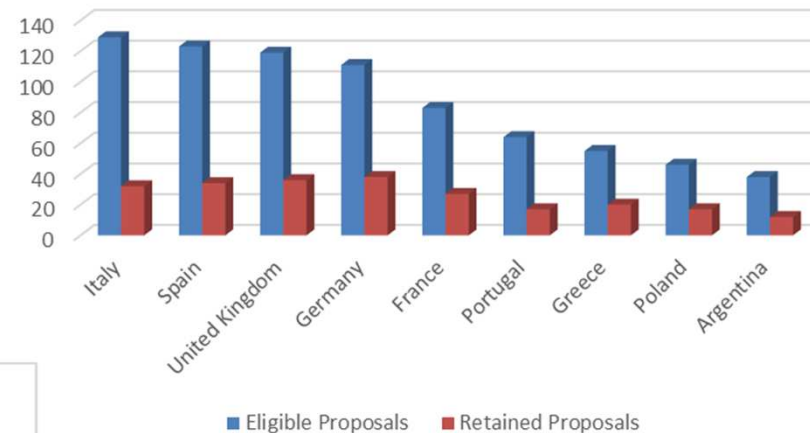
## Projets éligibles/retenus par pays



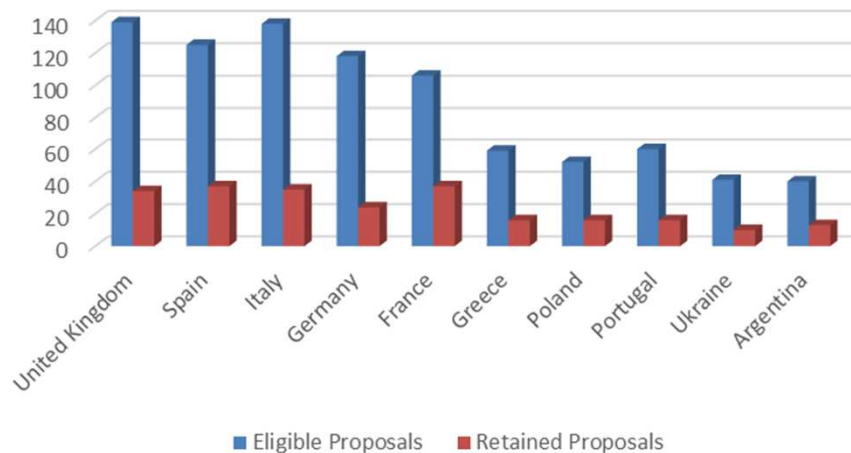
2019



2018

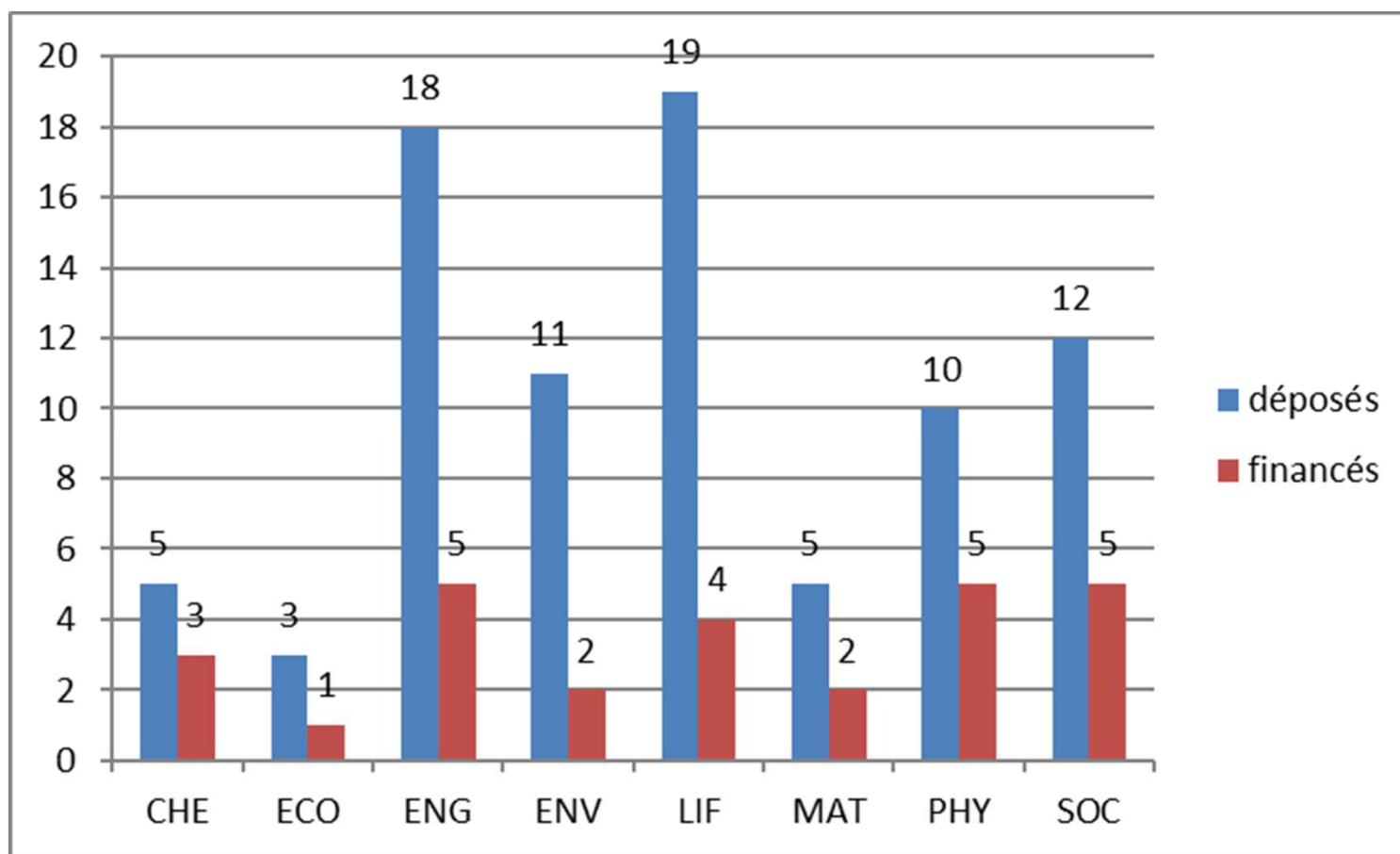


2017





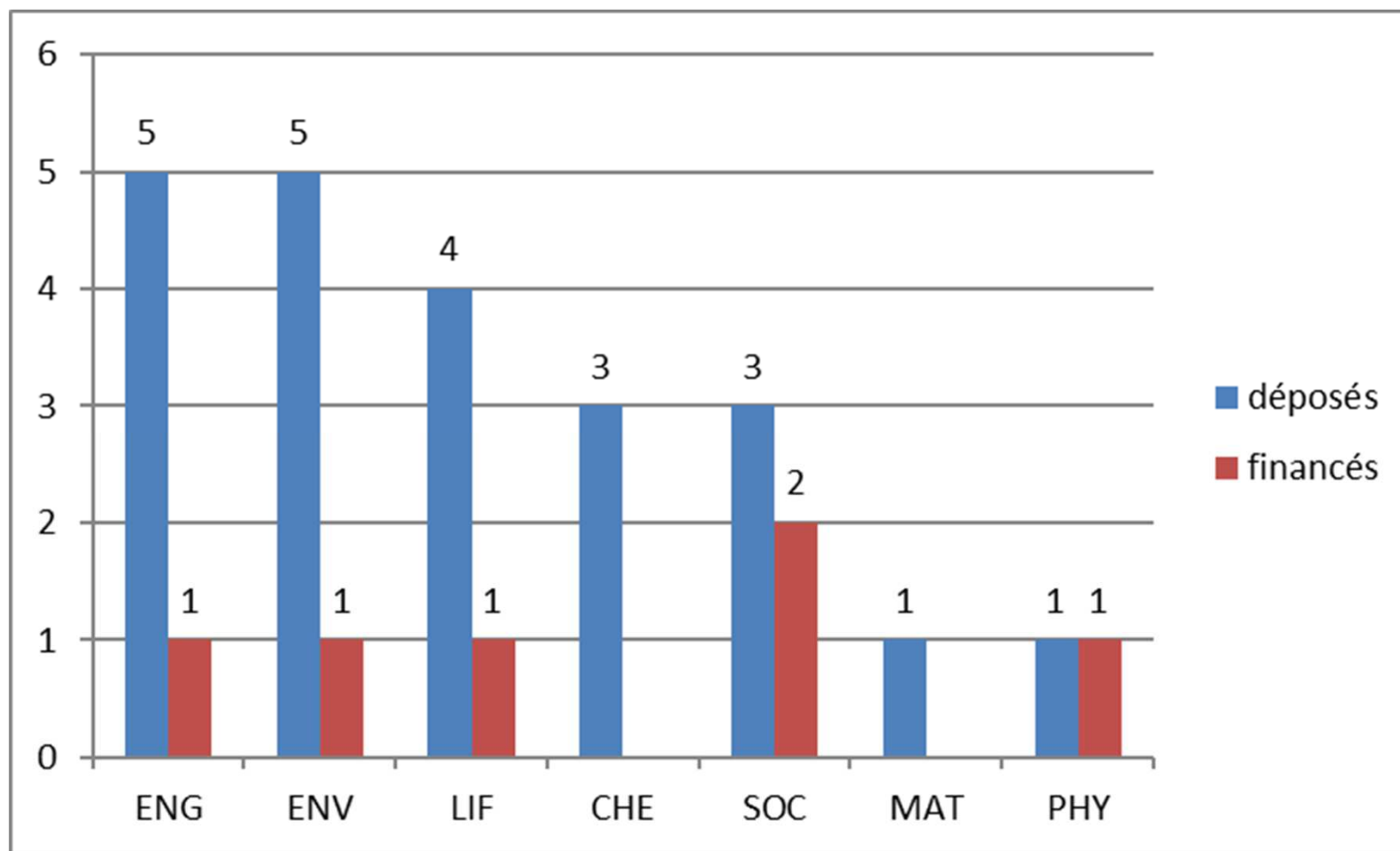
Projets avec la participation française.  
Résultats 2018 par panel.



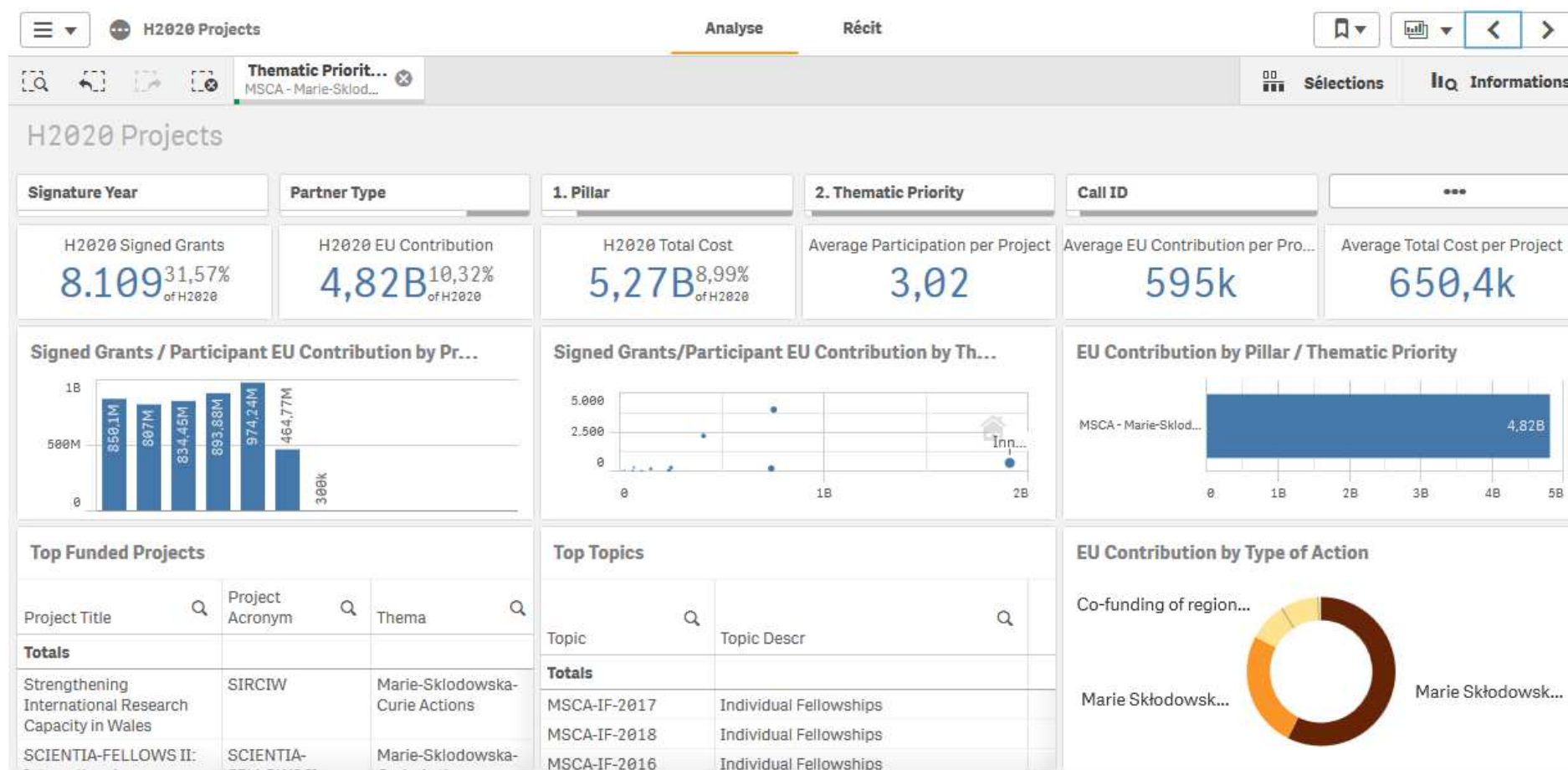




Projets avec la coordination française.  
Résultats 2018 par panel.



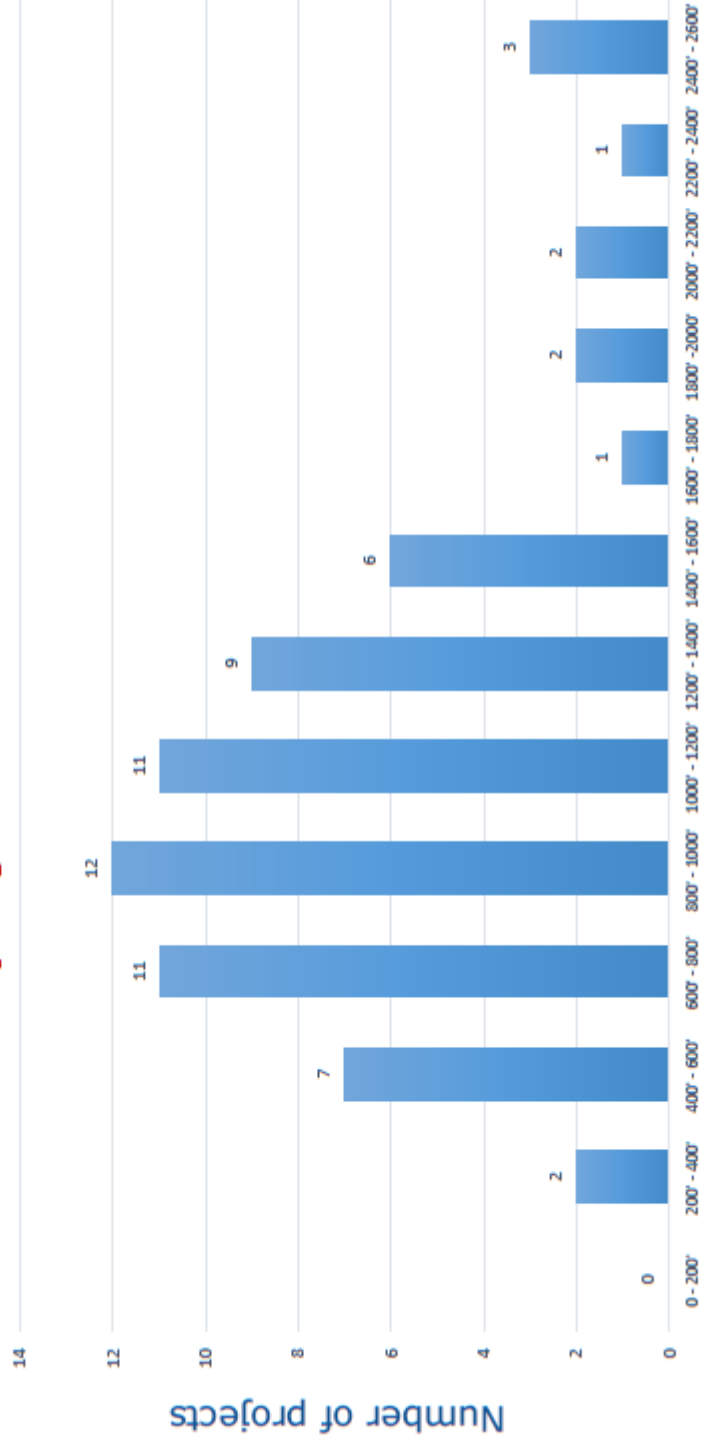
26



# RISE 2019

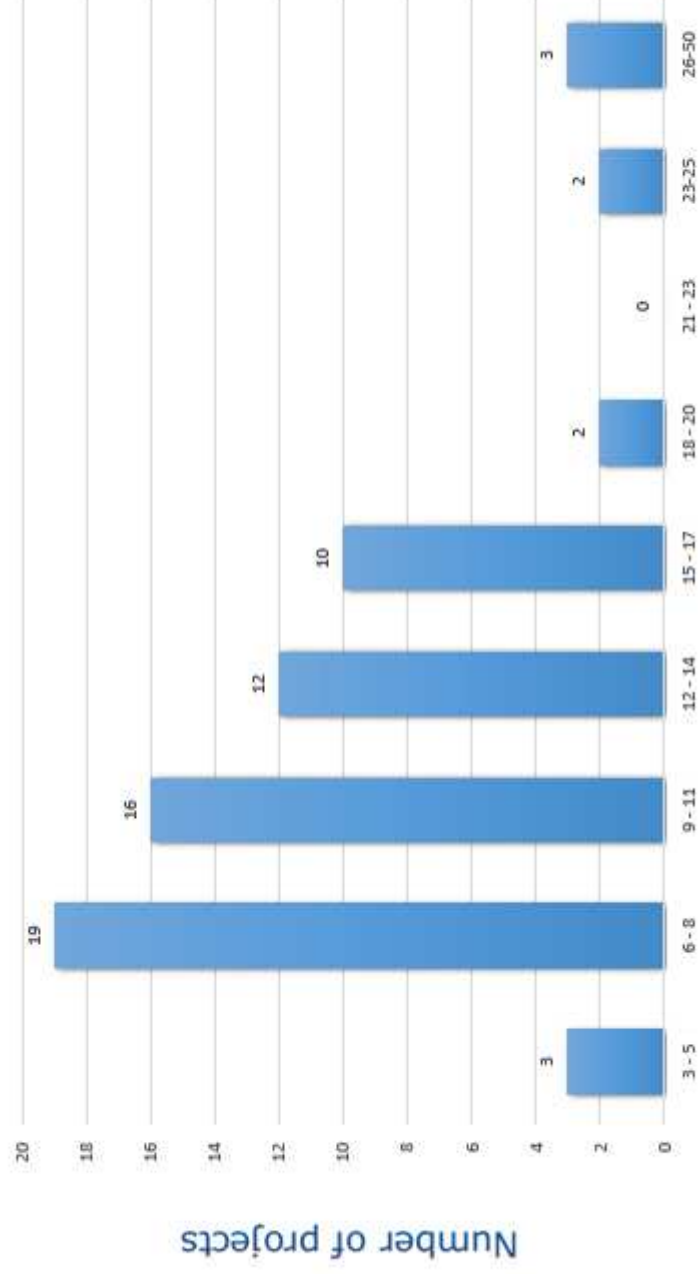


## Size of projects – EU contribution



EU contribution (in thousand €)

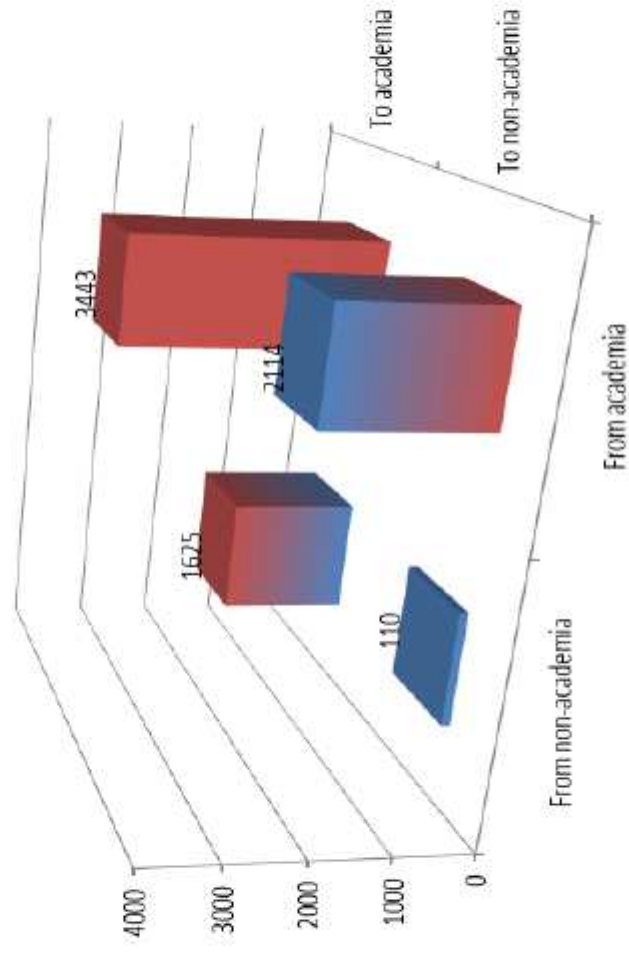
## Size of projects – No of participants



Number of participants

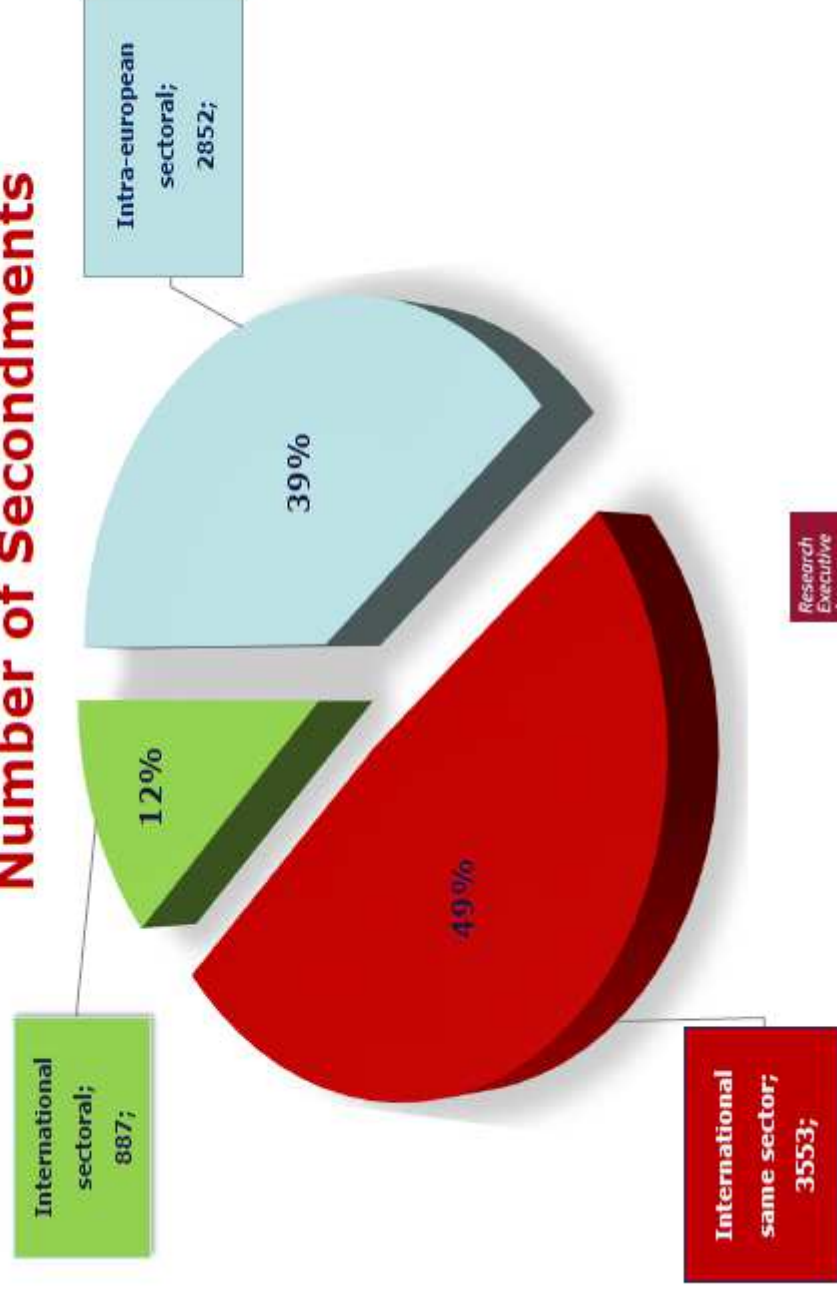


## Sector mobility Number of secondments



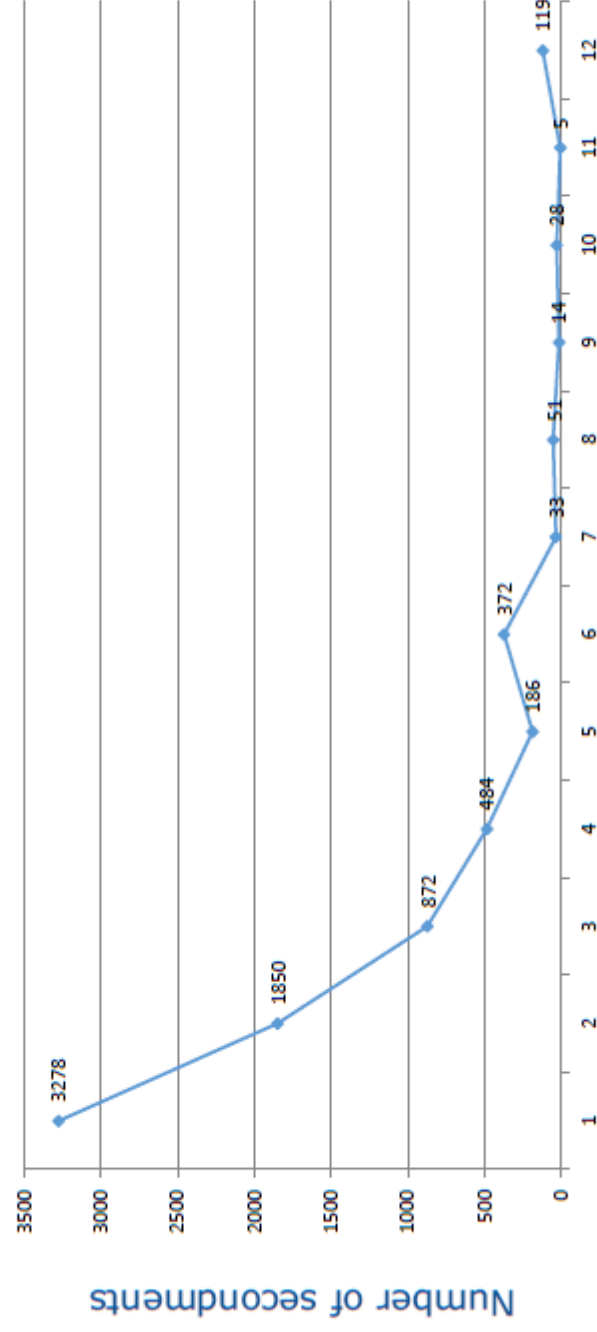
Total secondments 7292

## Type of mobility Number of Secondments





## Duration of secondments



Duration of secondment (months)

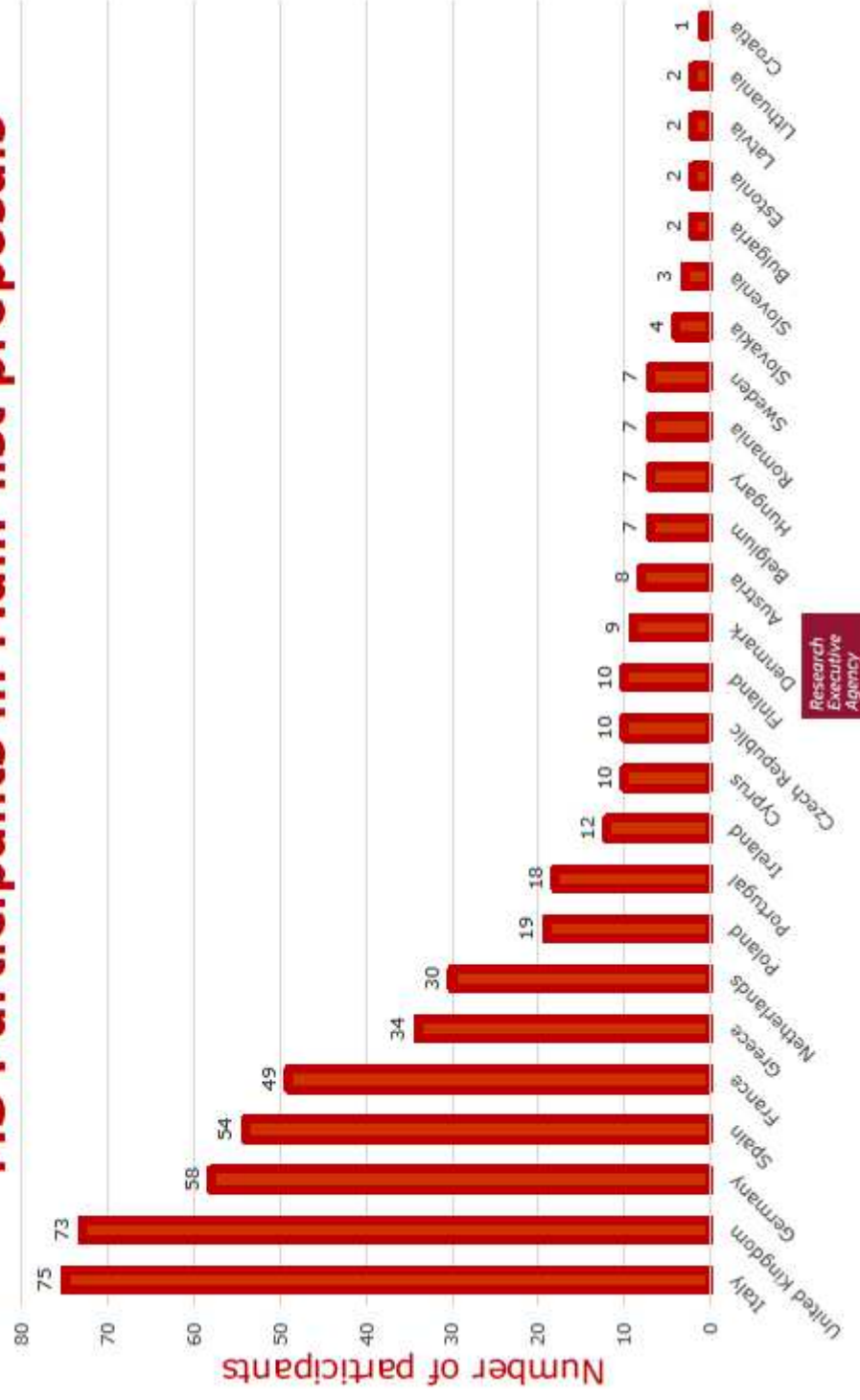


**RISE 2019**



European  
Commission

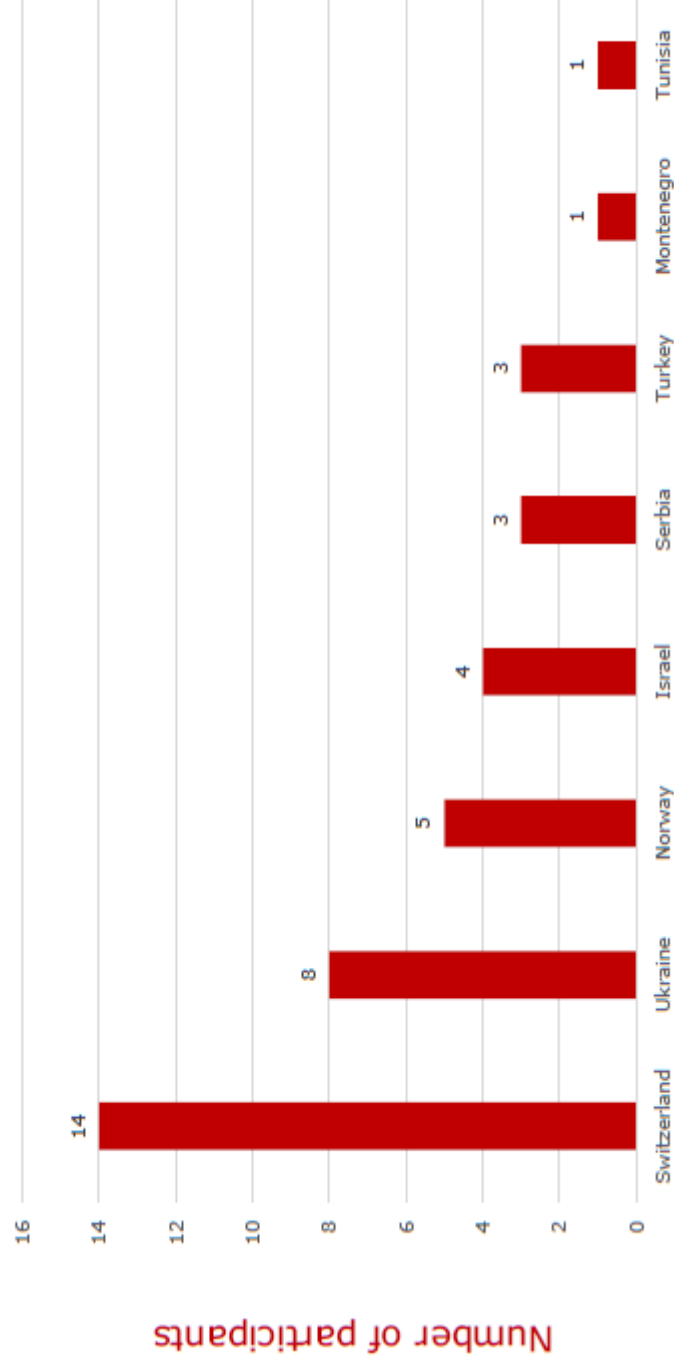
## MS Participants in Main-list proposals



**RISE 2019**



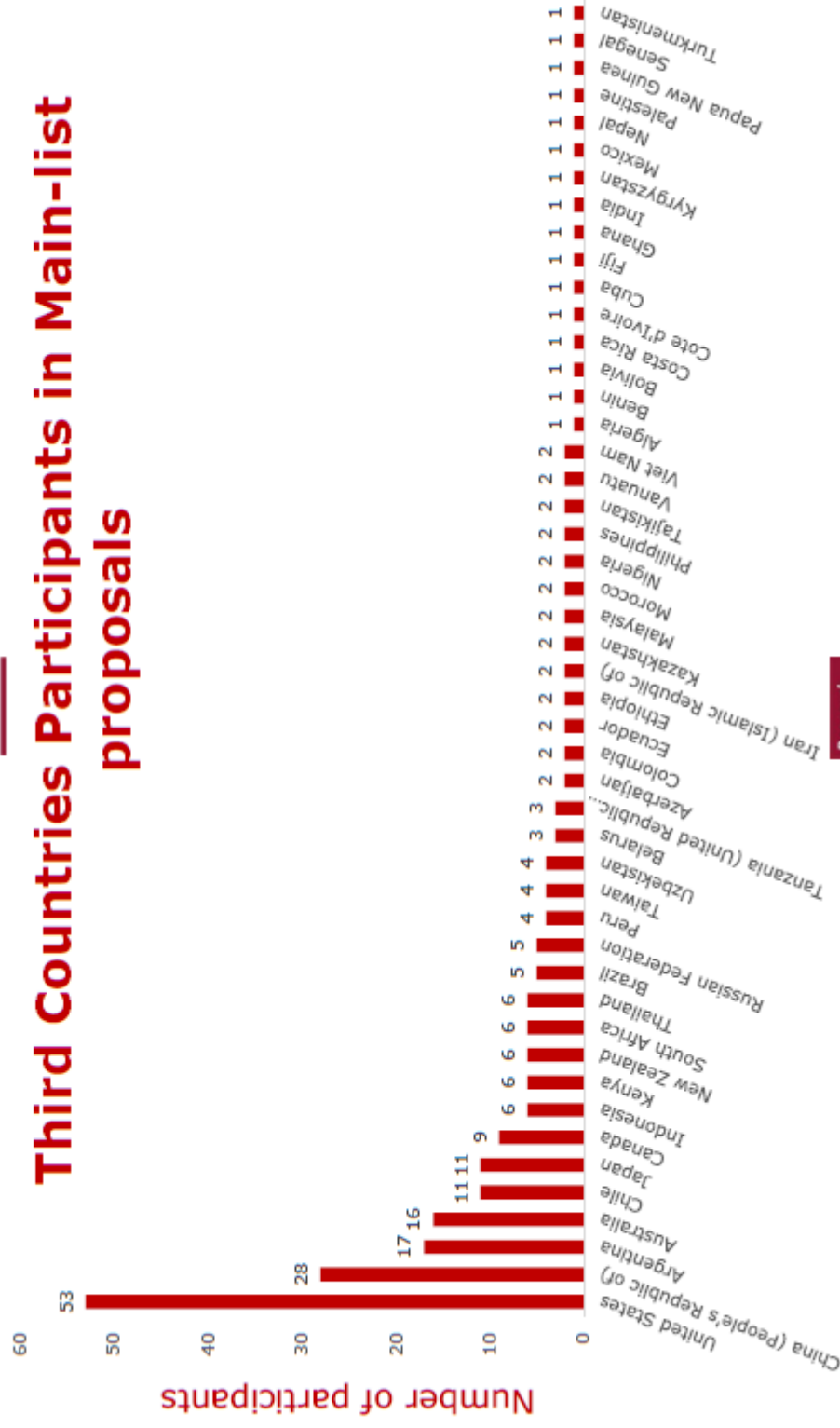
## AC Participants in Main-list proposals



Research  
Executive  
Agency



## Third Countries Participants in Main-list proposals



# Evaluation review RISE



	No of evaluated proposals	No of submitted redress requests	% of submitted requests/e valuated proposals	Result A+B	Result C	Result D	Funded after re-evaluation	% of upheld cases (C+D)
RISE 2014	200	1	0,50%	1	0	0	0	0,00%
RISE 2015	361	2	0,55%	2	0	0	0	0,00%
RISE 2016	366	4	1,09%	3	0	1	0	0,27%
RISE 2017	321	2	0,62%	2	0	0	0	0,00%
RISE 2018	272	3	1,10%	2	0	1	1*	0,37%
RISE 2019	305	4	1,31%	ongoing				0,00%

\* The same score as before the re-evaluation

## Result A

*The complaint is not admissible*

## Result B

*Absence of evidence to support the complaint – the results of the initial evaluation are confirmed.*

## Result C

*Evidence to support the complaint, but no re-evaluation recommended as the shortcoming is limited to a certain part of the evaluation and did not influence the overall outcome.*

## Result D

*Sufficient evidence to support the complaint, with a (full or partial) re-evaluation recommended.*

# RISE 2020



## RISE 2020 call

**Budget**  **80 M€**

### Schedule

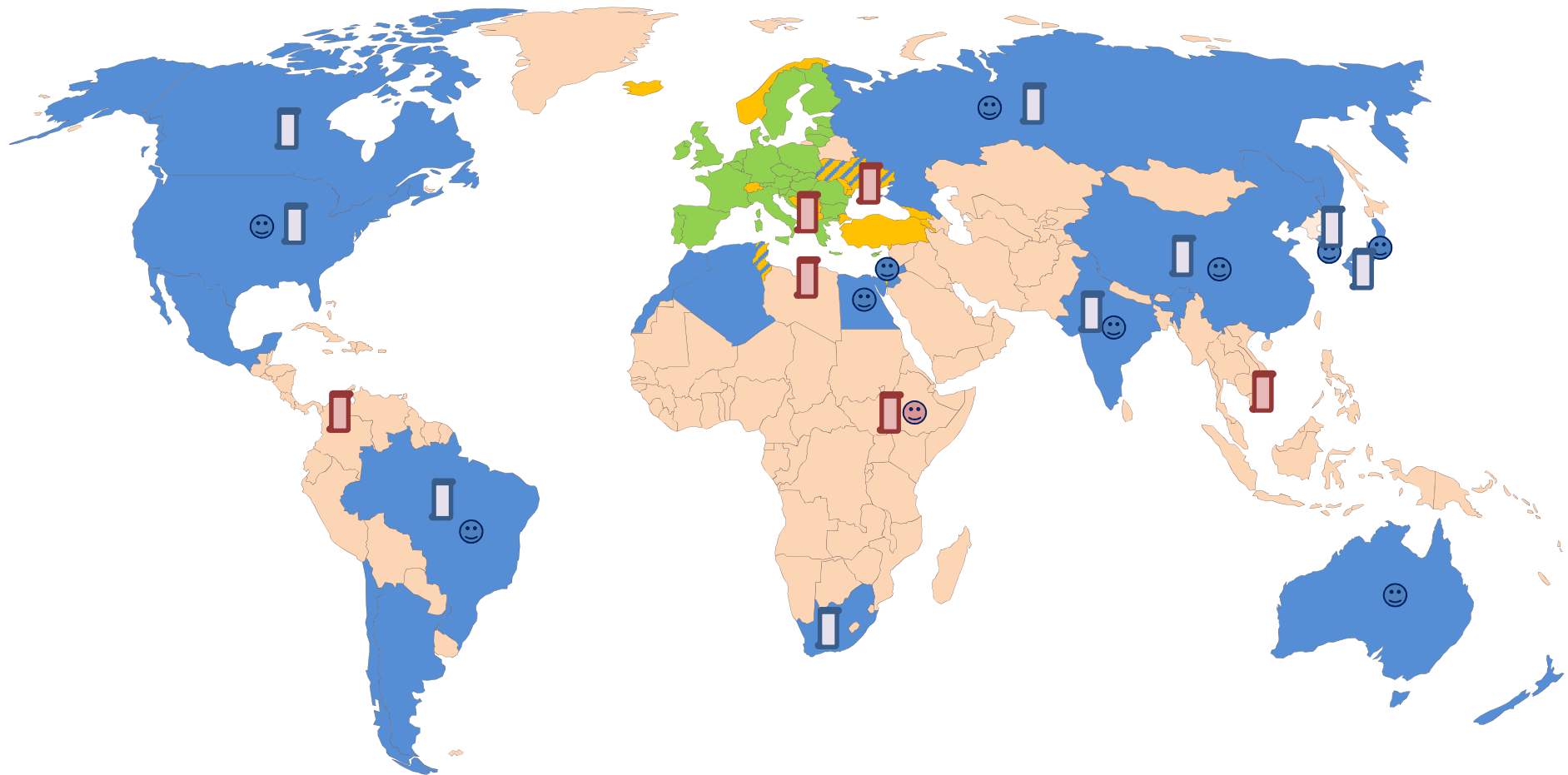
- **Call Opening:** 5 December 2019
- **Call Closure:** 28 April 2020
- **Evaluation central week:** 15 – 19 June 2020
- **Launch Grant preparation:** July 2020



# **MSCA International Study**

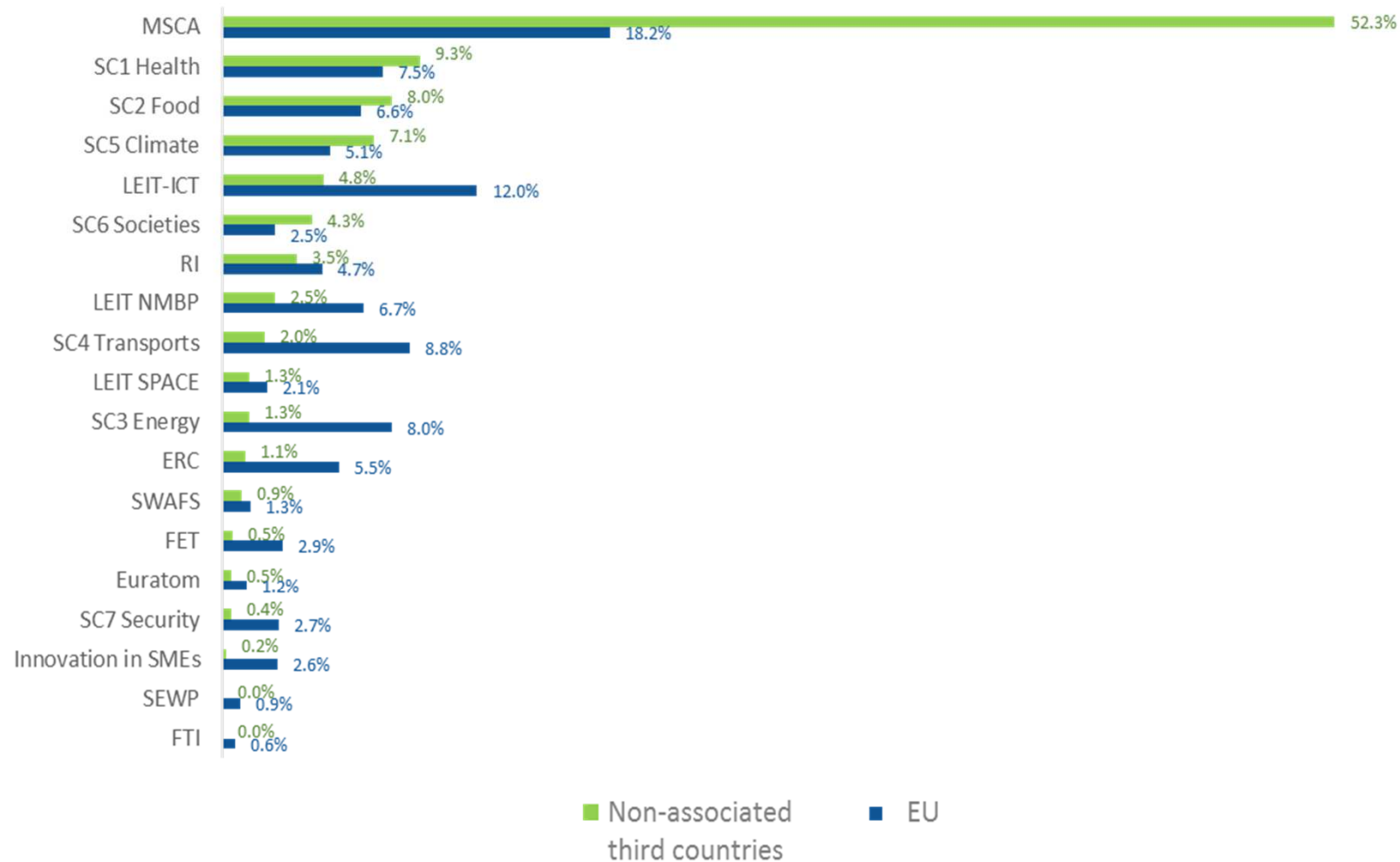
**Main findings and follow-up actions**

# EU International Relations in Research and Innovation



-  H2020 Associated countries/ Joint Association Committees
-  Bilateral S&T Agreement / Joint Cooperation Committees
-  Science Counsellors
-  Bilateral Cooperation Roadmap
-  Regional Policy Dialogues and Cooperation Roadmaps (AU, CELAC, ASEAN, EAP, MED, WB)

# MSCA is by far the most international component of Horizon 2020





# MSCA : a very strong international dimension

Action	Researchers EU	Researchers Associated Countries	Researchers Third Countries	% of Researchers Third Countries	Org. EU	Org. Associated Countries	Org. Third Countries	% of Org. Third Countries
COFUND	1 323	132	898	38.1%	748	52	77	8.7%
IF	4 681	333	1 511	23.1%	6 191	471	711	9.6%
ITN	4 366	422	2 494	34.2%	8 679	655	373	3.8%
RISE	7 023	903	3 409	30%	2 818	272	1 268	29%
<b>Total:</b>	17 393	1 790	8 312	<b>30%</b>	18 436	1 450	2 429	<b>10.8%</b>

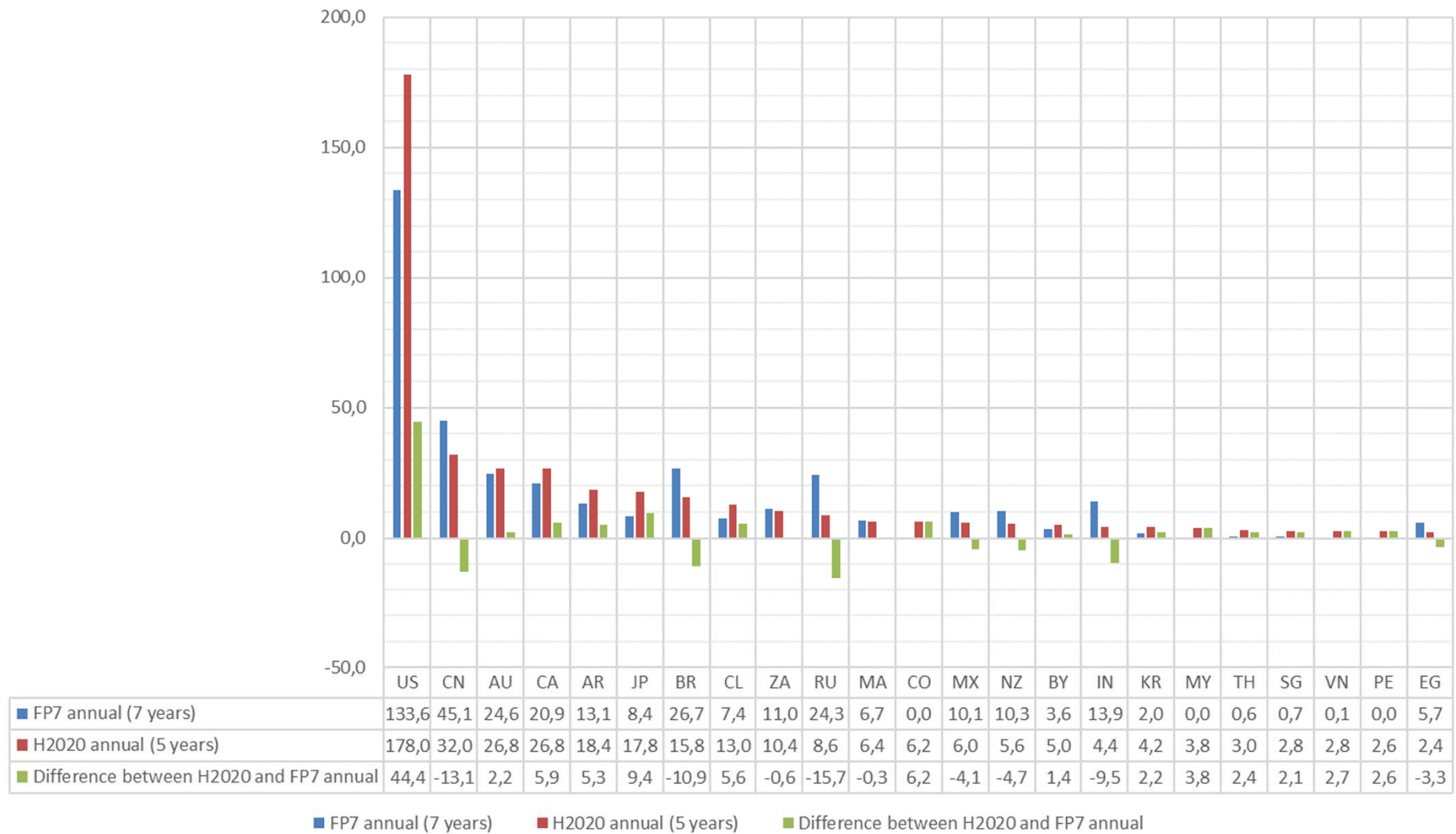
Study rationale = Bottom-up nature of MSCA vs EU external policies

# Explore EURAXESS Worldwide:

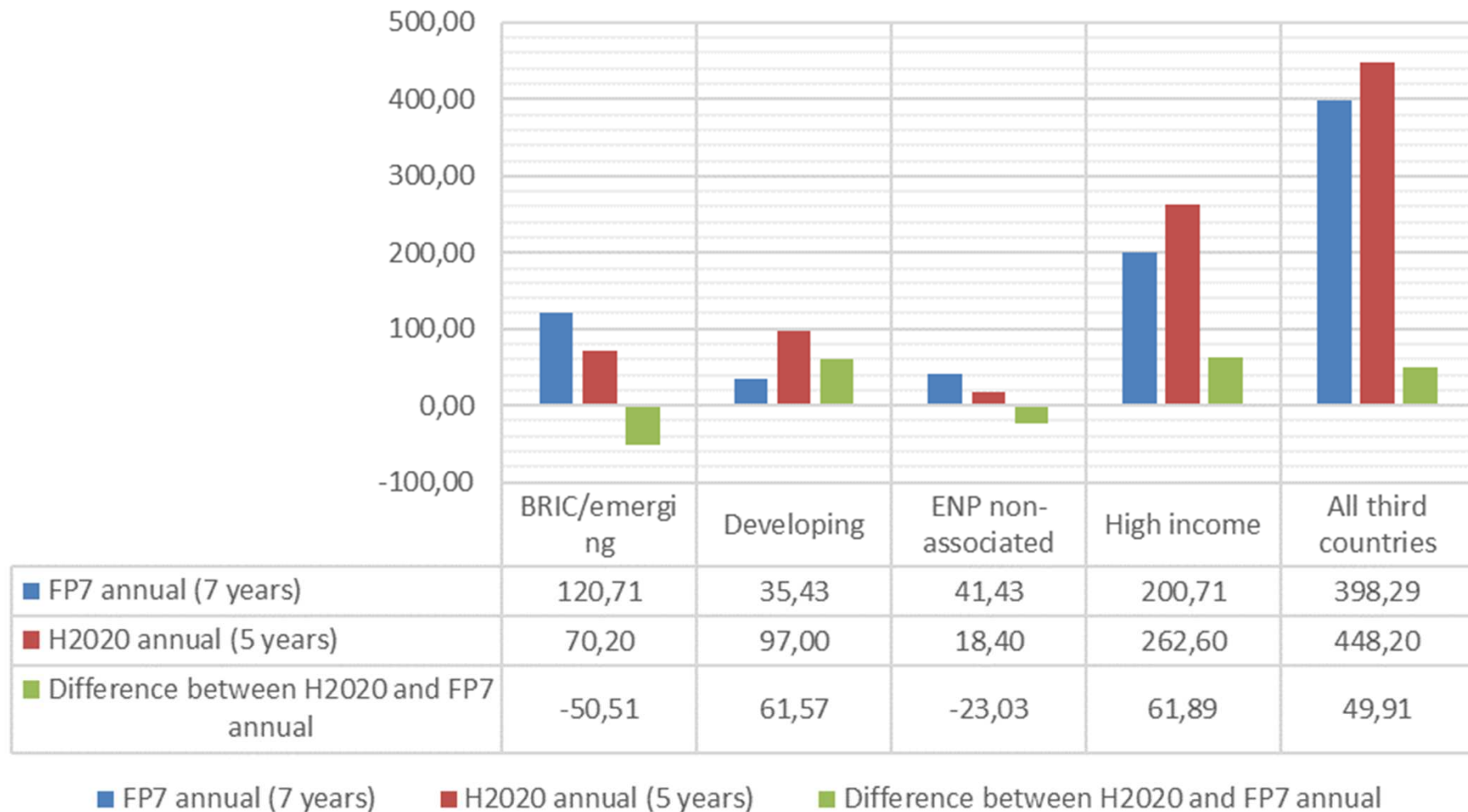
and discover opportunities for European researchers working outside Europe and non-European researchers wishing to come to Europe.

 ASEAN	 JAPAN	 KOREA
 CHINA	 LATIN AMERICA & CARIBBEAN STATES	 AUSTRALIA & NEW ZEALAND
 INDIA	 NORTH AMERICA	

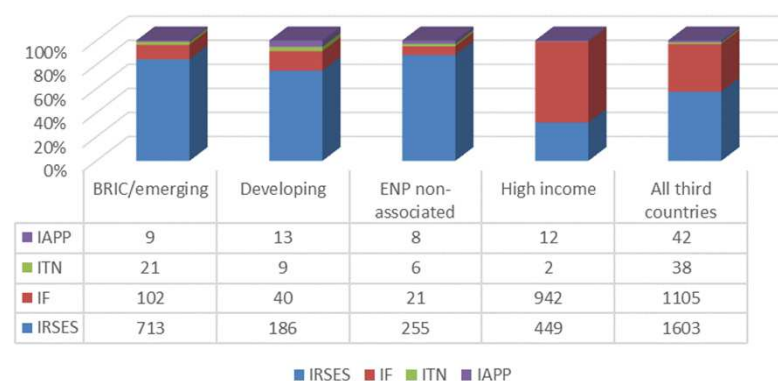
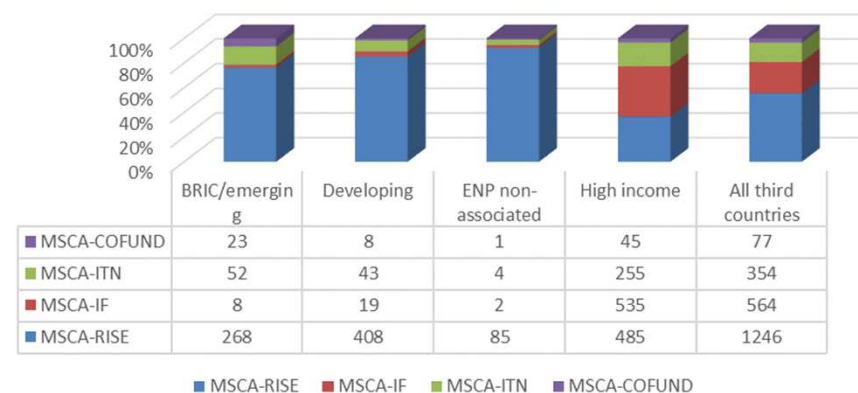
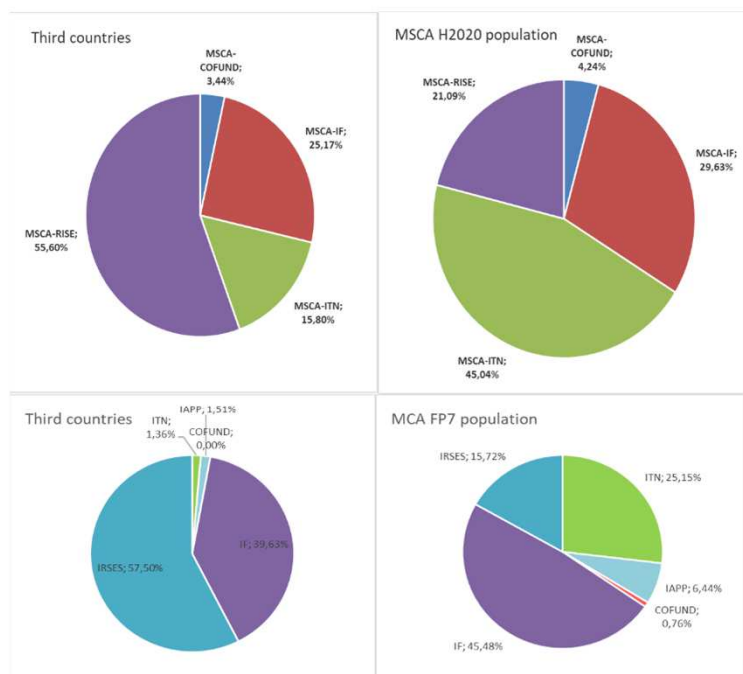
# Participations



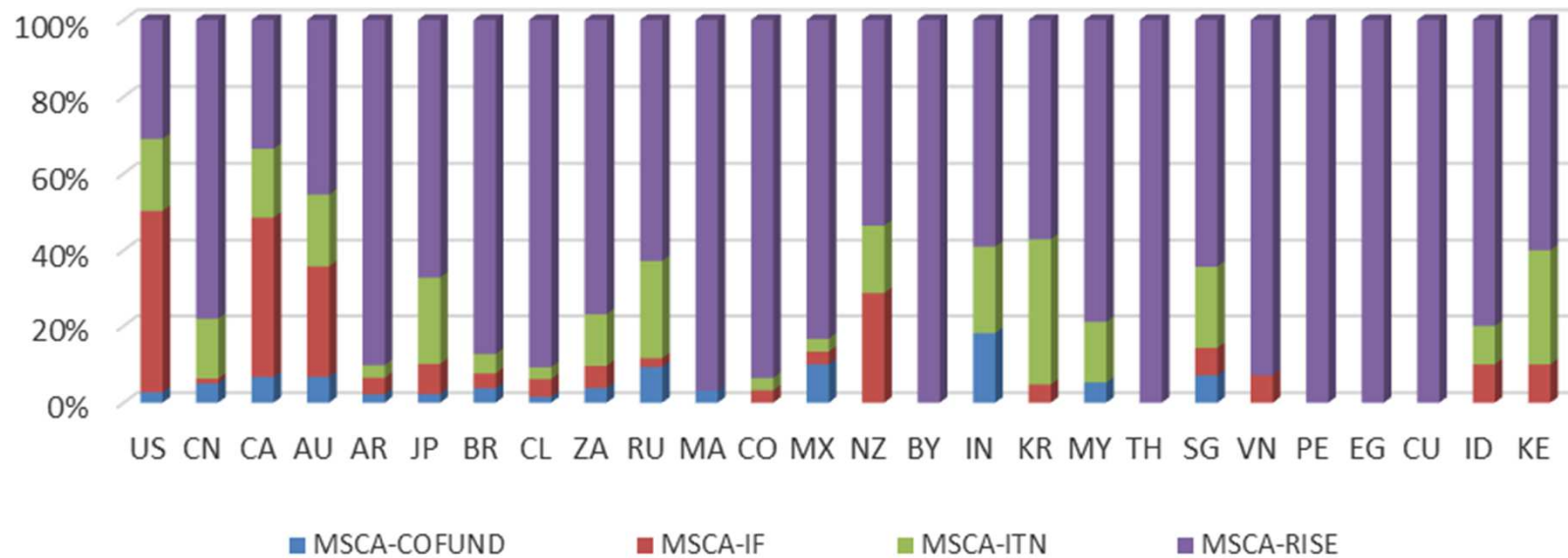
# Participations



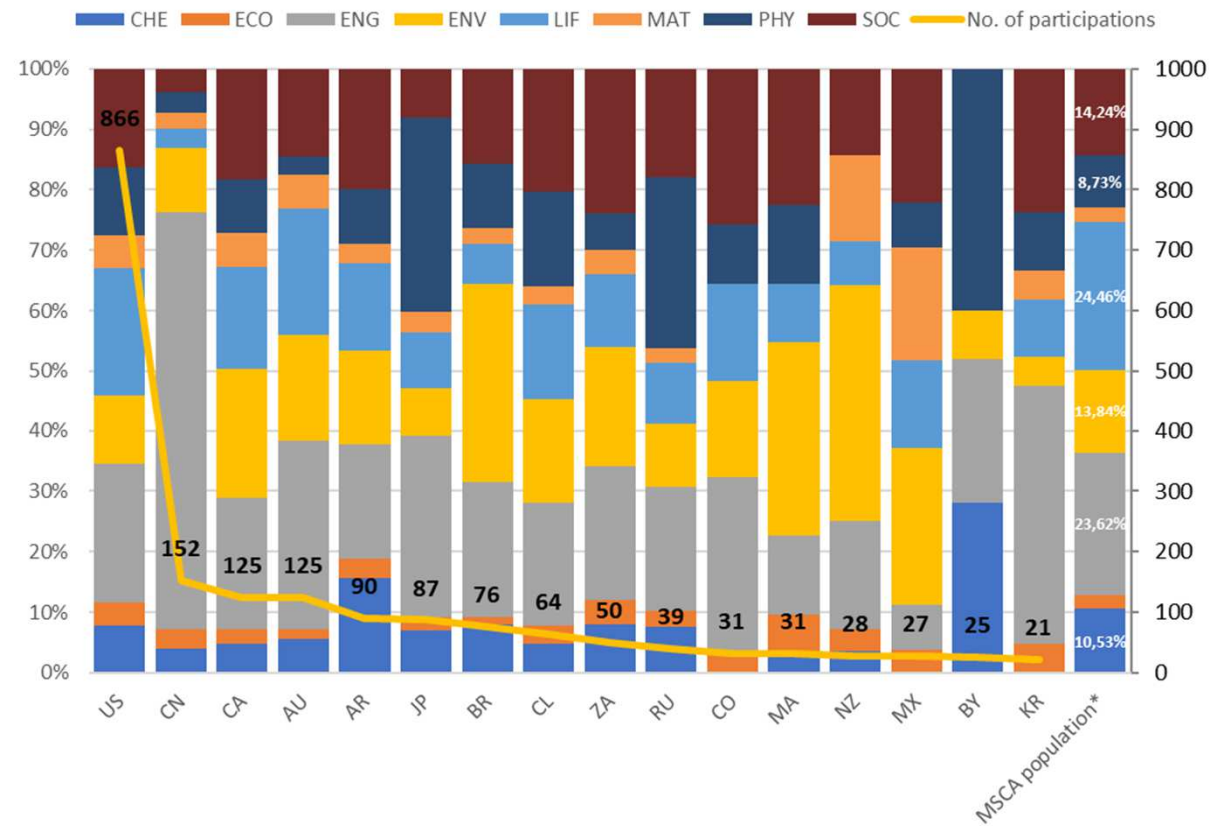
**RISE remains the most popular action for third country organisations; ITNs are becoming more attractive; organisations from high income countries were responsible for the absolute majority of participations in IFs**



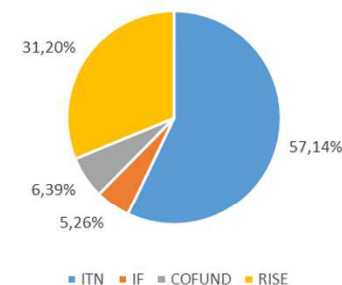
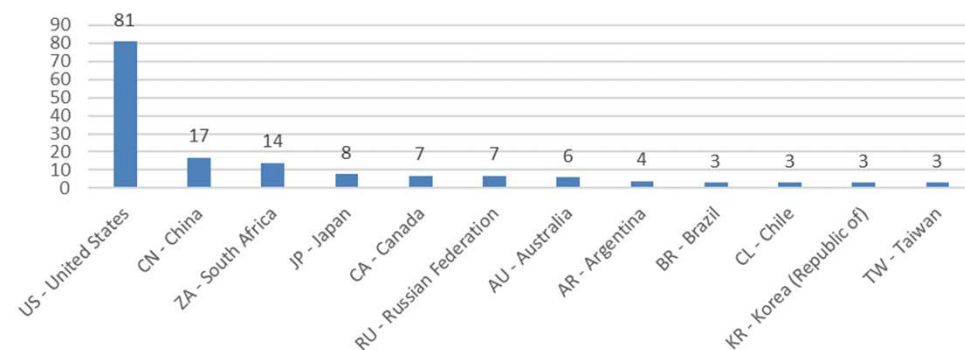
## Organisation participations per type of MSCA for leading 26 third countries in Horizon 2020



**Third country  
organisation  
participations  
(where there  
are more than  
20 overall) in  
H2020 per  
science panel**

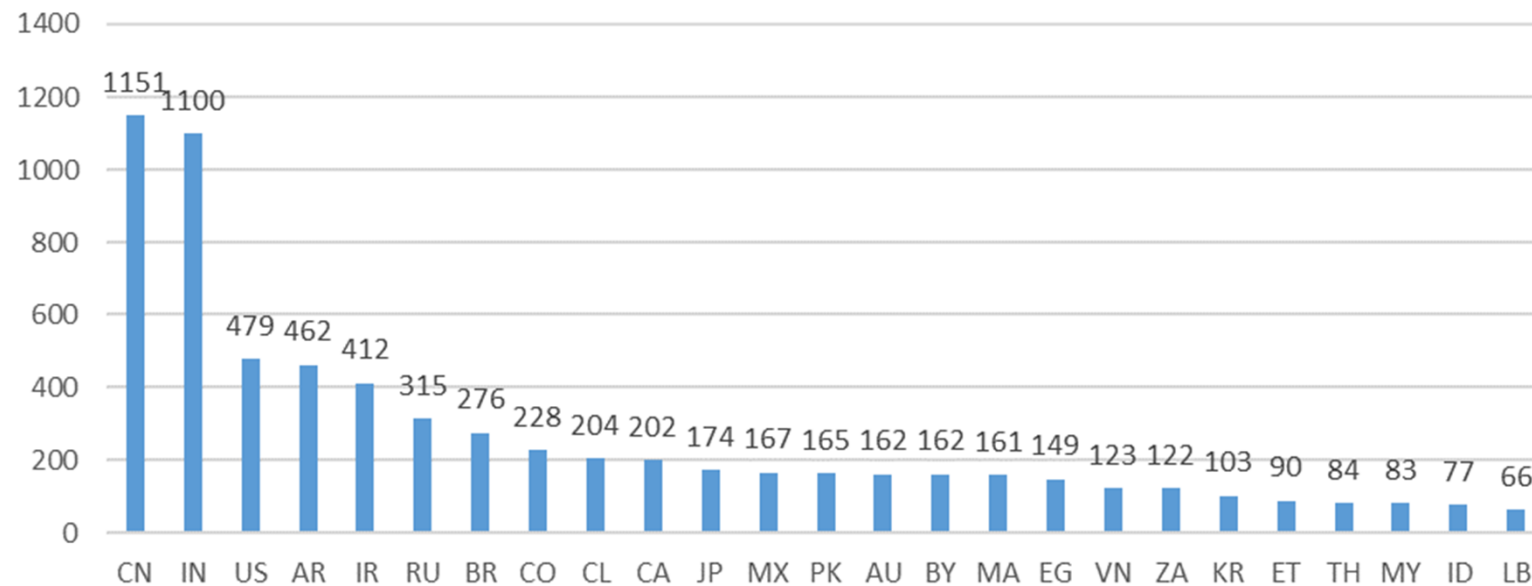


# Participation of businesses from third countries

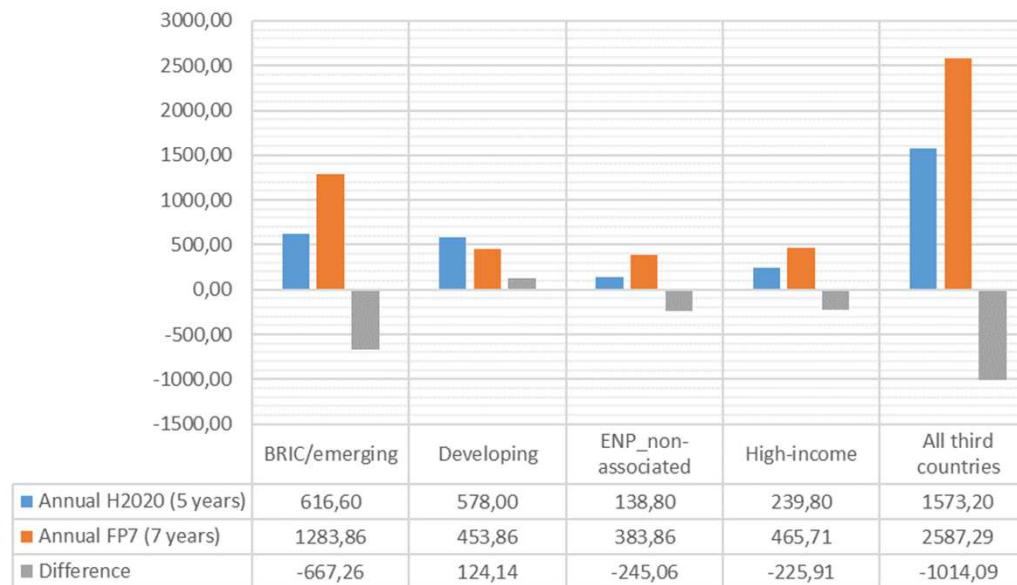




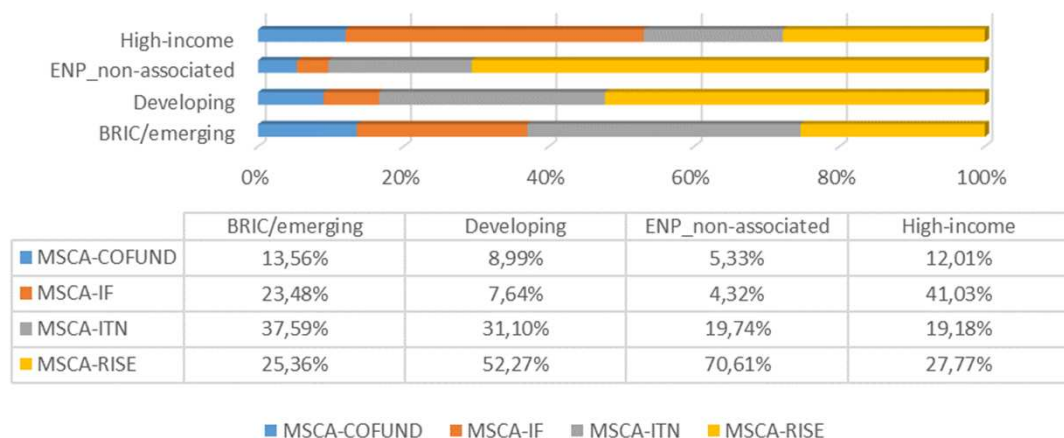
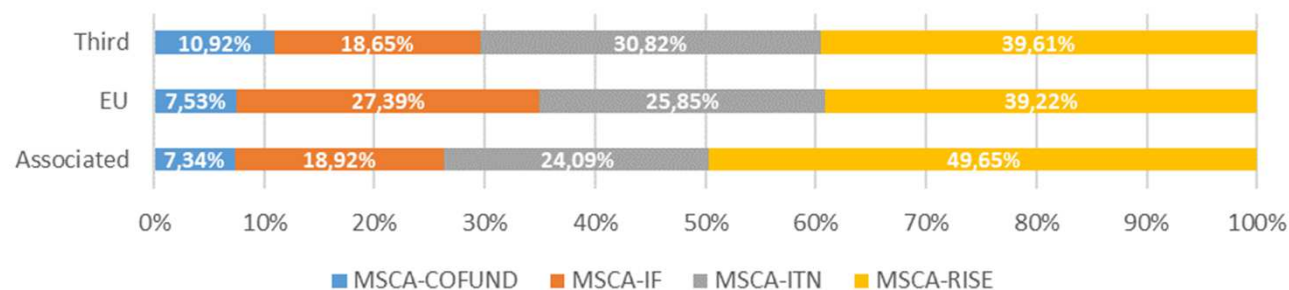
**BRIC/emerging economies are less dominant than in FP7 in terms of their national researchers participating in the MSCA, while increasingly more researchers come to Europe from developing countries**



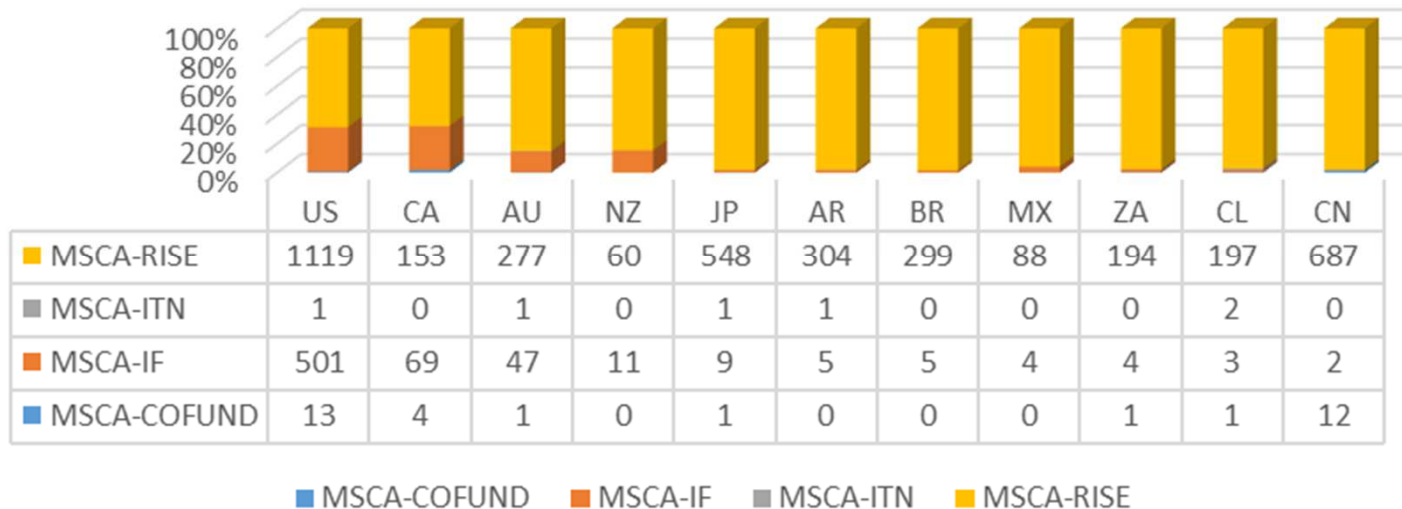
**BRIC/emerging economies are less dominant than in FP7 in terms of their national researchers participating in the MSCA, while increasingly more researchers come to Europe from developing countries**



## Share of researchers from third countries and EU/Associated countries participating in Horizon 2020 MSCA (per type of action)

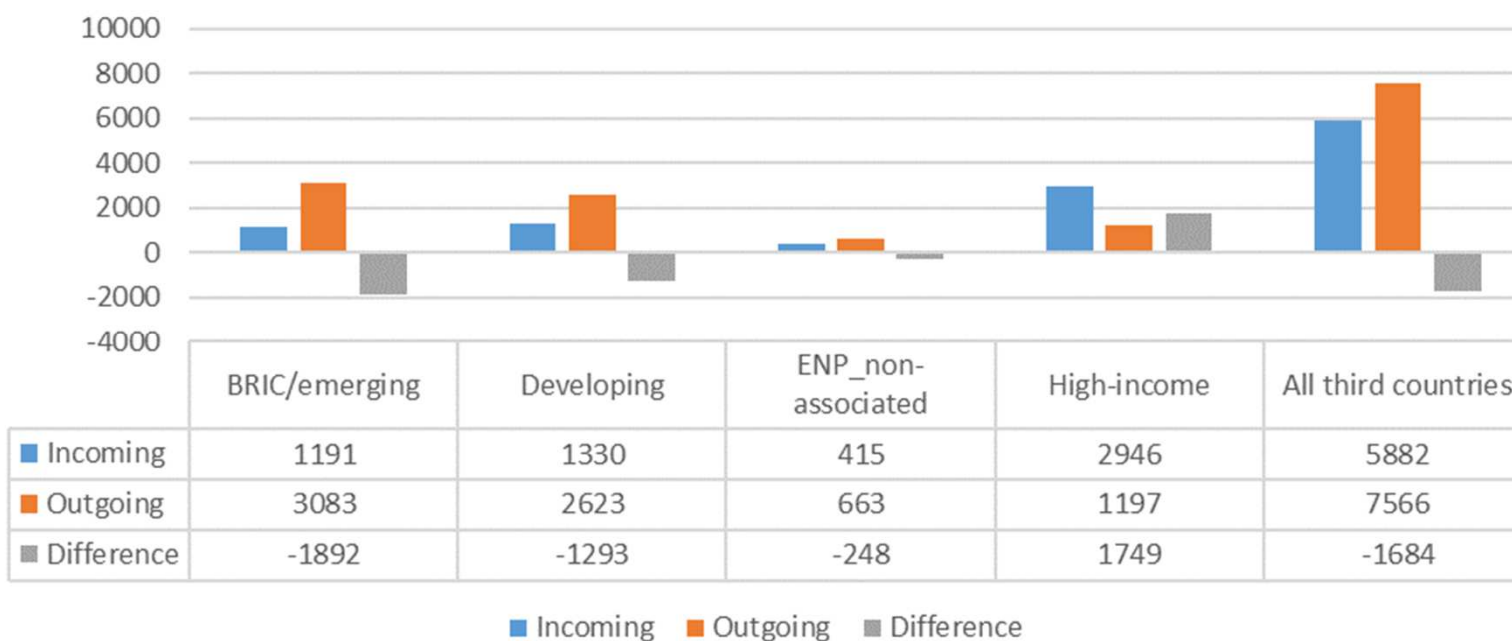


**Mobility of the European researchers to third countries is mainly driven by cooperation of organisations under RISE; European researchers go on fellowships almost exclusively to high income economies**



International Cooperation in the Marie Skłodowska-Curie Actions

**There are some notable imbalances in terms of the flow of researchers between Europe and third countries; the majority of third countries are facing the outflow of researchers to Europe**



International Cooperation in the Marie Skłodowska-Curie Actions



# Actions

# Cross-cutting

- *MSCA cooperation issues be systematically addressed during formal **S&T policy dialogues** held with third countries at bilateral or regional level*
- *Have the results of these discussions be reflected in corresponding **bilateral and regional cooperation roadmaps**\**
- *Have a **more coordinated and systematic approach for promoting Erasmus+ and MSCA** at international level*

\*e.g. China joint cooperation roadmap in Horizon Europe : address framework conditions for cooperation including reciprocity in researchers' mobility and obstacles for EU researchers to access the CN system

# Cross-cutting

- *Work to set-up cofunding agreements and mechanisms in BRIC/emerging and high income countries adapted to MSCA*
- *Targeted promotion campaigns with regional universities associations/research and education networks; building upon on-going R&I cooperation initiatives (eg MED: UfM, PRIMA, BlueMed, ASREN/EumedConnect)*
- *Increase Euraxess Worldwide capacities for MSCA promotion : dedicated CSA to support MSCA at international level ?*
- *Better internal coordination promotion of EU mobility and research programmes (E+, HE, COST, JRC,..) and synergies with EU external instruments*



# Specific

- *Promotion campaigns in South-Korea for more significant overall involvement (both individuals and organisations) in MSCA*
- *Increase the number of Japanese, US and Australian researchers going to EU institutions (review promotion/relay networks/key initiatives)*
- *Improve framework conditions for EU researchers mobility in China*
- *Set-up co-funding agreement with India, especially in view of increasing RISE participation*
- *Developing countries : build upon flagship initiatives +incentivizing return grants*



# **New Features of the Marie Skłodowska-Curie Actions in Horizon Europe (2021-2027)**

**Claire Morel, Bodo Richter  
European Commission  
DG Education, Youth, Sport and Culture  
MSCA unit**

**MSCA Stakeholders' Conference  
Brussels, 3 December 2019**

# The von der Leyen Commission: A union that strives for more

## 6 Headline Ambitions

- **A European Green Deal**  
Europe to strive for more by being the first climate-neutral continent
- **An economy that works for people**  
Europe to strive for more when it comes to social fairness and prosperity
- **A Europe fit for the digital age**  
Europe to strive for more by grasping the opportunities from the digital age within safe and ethical boundaries
- **Promoting our European way of life**  
Europe to strive for more when it comes to protecting our citizens and promoting our values
- **A stronger Europe in the world**  
Europe to strive for more by strengthening our unique brand of responsible global leadership
- **A new push for European democracy**  
Europe to strive for more in nurturing, protecting and strengthening our democracy

Mariya Gabriel: Commissioner for Research, Innovation, Education,  
Culture & Youth

# Horizon Europe

The ambitious EU research and innovation framework programme  
(2021-2027)



**to strengthen the EU's scientific and technological bases  
and the European Research Area (ERA)**



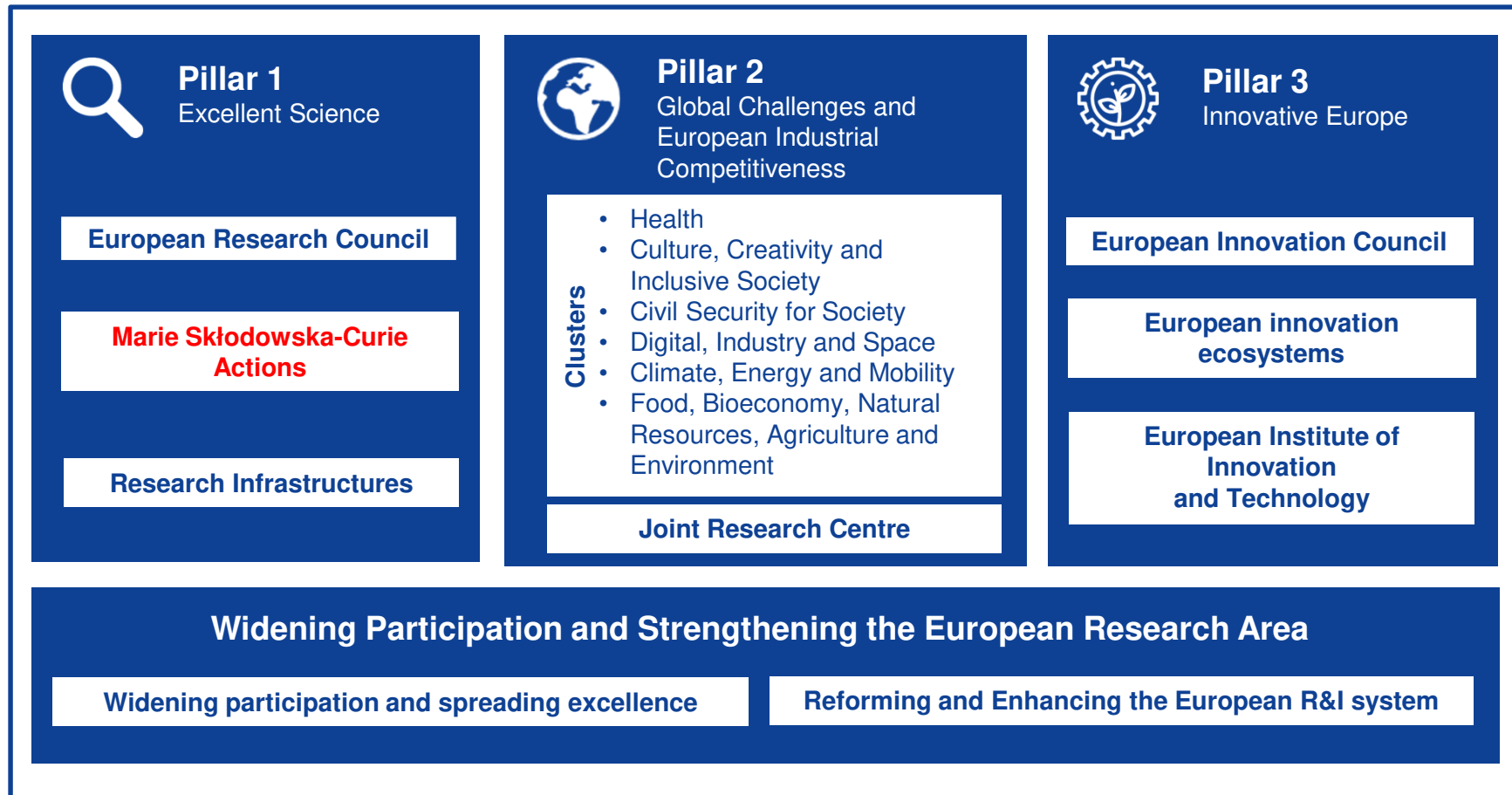
**to boost Europe's innovation capacity, competitiveness  
and jobs**



**to deliver on citizens' priorities and sustain our socio-  
economic model and values**

The Commission proposes a budget of € 100 billion for Horizon Europe.

# Horizon Europe: Preliminary structure



**Excellent Science (Pillar 1):** reinforcing and extending the excellence of the Union's science base

# The MSCA in Horizon Europe

- Overall: **continuation**
- Investing in **the people behind R&I**, delivering talent and improving careers
- *Bottom-up, competition-based research programme*
- Creating impact on researchers, institutions, systems
- 5 areas of intervention:
  - *mobility of researchers*
  - *training of researchers*
  - *strengthening human capital across the ERA*
  - *facilitating synergies*
  - *promoting public outreach*



The Commission proposes a budget of € 6.8 billion for the MSCA

# Evolution in the MSCA's implementation

- **Streamlined actions**, clearer identity
- Simpler rules, fine-tuned definitions, harmonised conditions
- Continuation of simplified form of grants
- **Demand management** to maintain high-quality and attractiveness
- Strengthen structuring effects on host institutions
- More guidance on supervision and **exposure beyond academia**
- Improved internal coherence & reinforced external **synergies**

# MSCA 2021-2027: *under construction*



1. MSCA Doctorates
2. MSCA Postdocs
3. MSCA Staff Exchanges
4. MSCA COFUND
5. MSCA and Citizens

→ *networks training doctoral candidates*  
→ *postdoctoral researchers*  
→ *any type of research(-related) staff*  
→ *co-funding training programmes*  
→ *public outreach events*



# 1. MSCA Doctorates

- MSCA will continue to support doctoral candidates and programmes
- Integrating objectives of 3 sub-actions into a **single action**
  - Incentives for industrial or joint doctorates
  - Pre-agreement for joint degrees required
- Manage demand, improve success rates
  - Reduce #fellow-months/project – restrict resubmissions below quality threshold



## 2. MSCA Postdocs

- Continue supporting post-doctoral research and careers
- Clarify and simplify, a **single action** with 2 destinations
- Deliver skilled people **to academia and beyond**
  - Intensify exposure/secondments to (training in) entities beyond academia
  - Improved guidance towards career development (plan & supervision)?
- Manage the increasing demand to maintain high-quality selection
  - Limit research experience
  - Require PhD degree
  - Restrict resubmissions below quality threshold



### 3. MSCA Staff Exchanges

- Continue supporting staff exchanges, **open to any type of staff**
- Emphasis on the **added-value of the collaboration** itself
- Lean and flexible tool to support **collaborative R&I projects**
- I<sup>3</sup> approach, incl. limited interdisciplinary academia-to-academia exchanges within Europe



## 4. MSCA COFUND

- Continue **co-funding** national, regional, institutional schemes for doctoral training and postdoctoral fellowships
- Clarify and simplify, a **single action**
- Simplification of the **EU contribution**
- Greater focus on **new beneficiaries** and **new training programmes**



## 5. MSCA and Citizens

- Continuation of **European Researchers' Night**-like activities
- **Extension** to existing outreach events
  - Supporting also other science festivals and outreach events with EU-added value

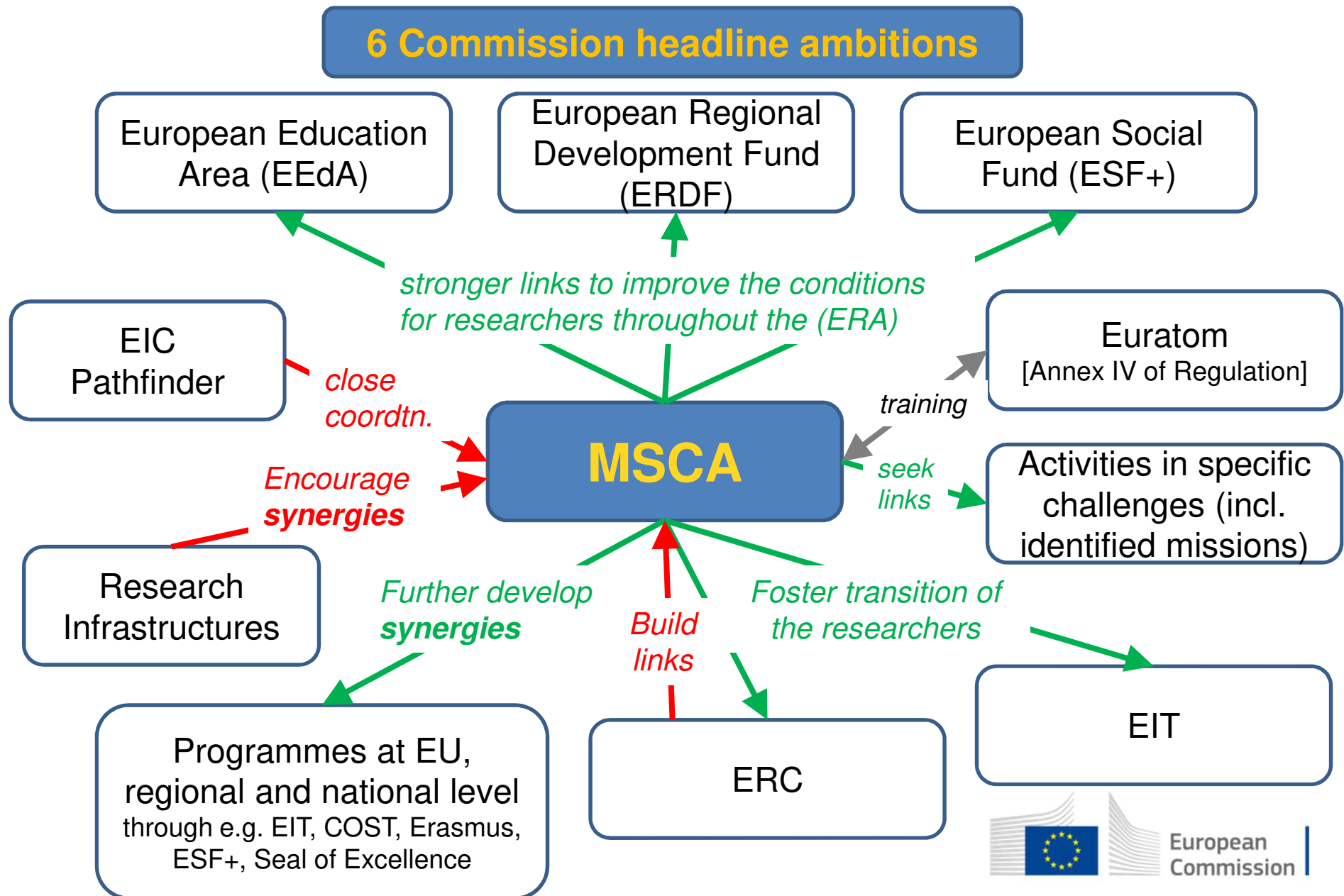


**in 2019: 1.65 million visitors**

## 6. Other activities

- **Study** analysing brain drain and propose appropriate solutions
- **Researchers @ Schools**
- **Alumni Association** (MCAA)
- Network of **MSCA NCPs**
- **Researchers @ Risk**
- **MSCA international support**
- **Seal of Excellence** for MSCA Postdocs and possibly for MSCA COFUND
- Successor of **Widening Fellowships** pilot 2018-2020 (to be evaluated in 2020/2021)

# Internal coherence and external synergies



## WP 2021-22 timetable

Jan- May 2020	Discussion of draft WPs with Shadow Programme Committee Configurations
2 <sup>nd</sup> half October	Endorsement by Shadow PC
early November	Pre-publication
tbc	Formal adoption of MFF
tbc*	Formal adoption of Horizon Europe
December 2020**	Formal Adoption of WP

\* Timing dependent upon adoption of Multi-annual Financial Framework (MFF)

\*\* Timing dependent upon adoption of MFF, Horizon Europe Framework Programme and Specific Programme and Horizon Europe Strategic Plan