



Erasmus+ and Horizon 2020 (MSCA + EIT)



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European Commission
DG Education, Youth, Sport and
Culture
*Unit C.2: Marie Skłodowska-Curie
Actions*
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Outline

- Policy level
- Programme level
- Instrument level

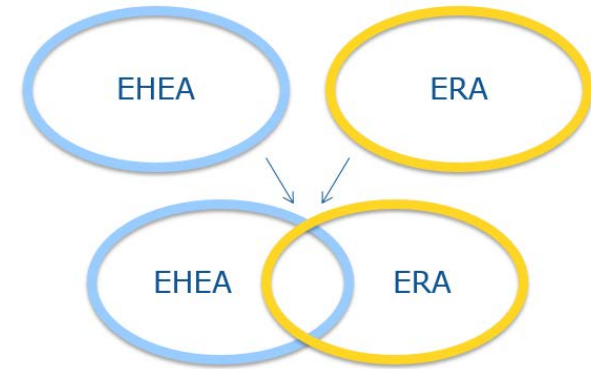
Bologna Process...

supports the **modernisation of education and training systems** to make sure these meet the needs of a changing labour market. This is important as the proportion of jobs requiring high skills grows, and the demand for **innovation and entrepreneurship** increases.

Knowledge triangle...

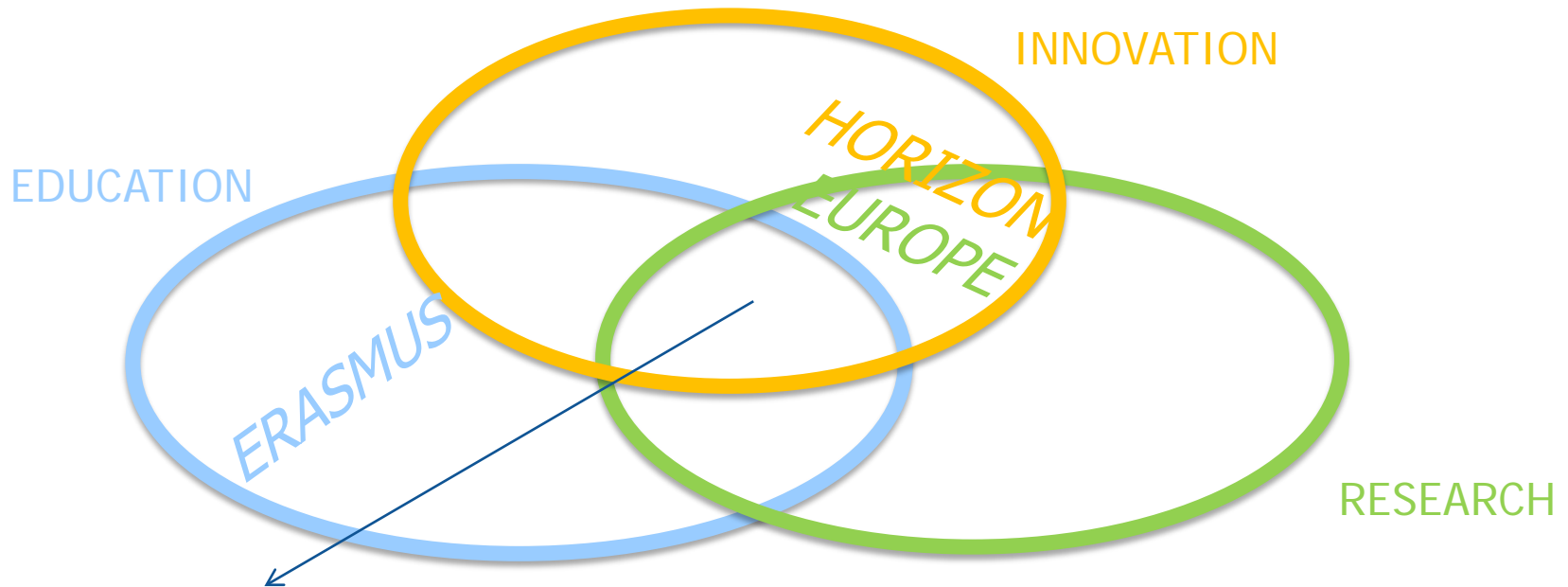
The contribution of higher education to jobs and growth, and its international attractiveness, can be enhanced through **close, effective links between education, research, and innovation** – the three sides of the ‘knowledge triangle’.

Policy level



- Different presentation and communication
- Cooperation between instruments for policy making and networking

Programme level



Objective at level of implementation by HEI:
enlargement of the E&R&I intersection

Erasmus

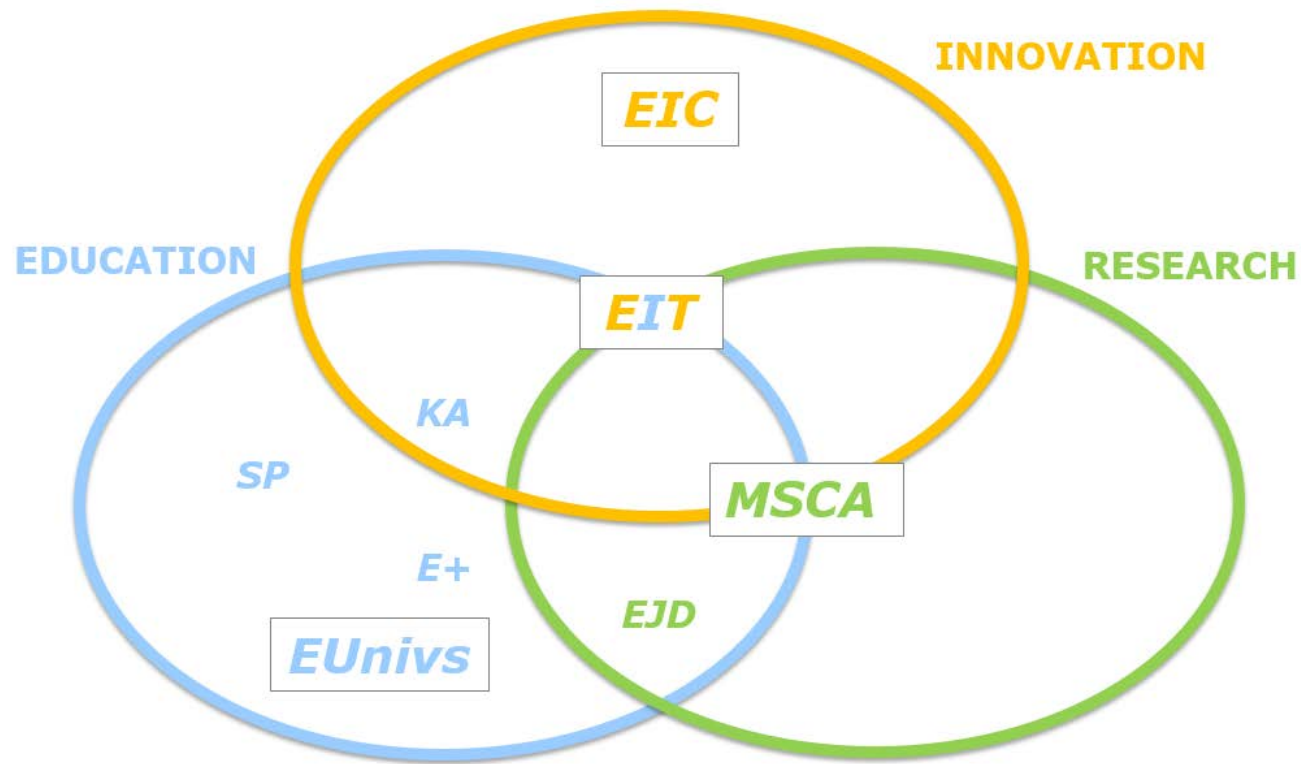
The next EU Programme for Education, Training, Youth and Sport - 2021-2027



Instruments – European Universities

- Alliances of universities
- Joint institutional strategy for education, research and innovation

Synergies



EIT (European Institute of Innovation and Technology)

**EIT Climate-
KIC**



EIT Digital



EIT InnoEnergy



EIT Raw Materials



EIT Health



EIT Food



EIT – Education Activ

Key Characteristics:

- Linking education, research and business
- Learning by doing curricula and robust entrepreneurship education
- International, inter-organisational and cross-sectorial mobility



EIT Education Portfolio:

Master programmes

- International cooperation and industry involvement
- Mobility, internships and scholarships/ fellowships



Doctoral programmes and schools

- Training on specific skills and competences
- Mobility, internships and scholarships/ fellowships



Executive training & post-doctoral courses

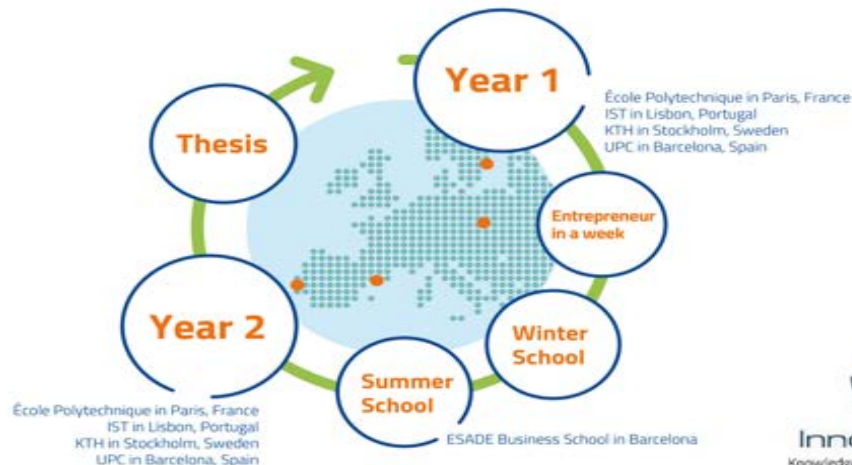
- Continuous professional development courses (e.g. Climate-KIC Pioneers, Catalyst, Spotlight; EIT Health Campus Training for Professionals)
- Learning modules and MOOCs



EIT – InnoEnergy – MSc RENEwables

Train the next generation in the area of renewable energy

- 8 HEIs
- 16 companies
- 4 universities awarding double degrees
- Over 10,000 applicants for 1,000 accepted (5Y)



InnoEnergy
Knowledge Innovation Community

Results and impact

- 96% have found a job 6 months after graduating
- Earn 15% more than their peers from traditional courses
- High recognition in innovation award prizes (Forbes, HULT Global Case Challenge, etc.)



MSCA (Marie Skłodowska-Curie Actions)



ITN
Innovative Training Networks



IF
Individual Fellowships



RISE
Research and Innovation Staff Exchange



COFUND

MSCA – GRAGE project

- 12 institutions from 7 different countries (Netherlands, Greece, Italy, Finland, Germany, UK and Ukraine)
- The consortium brings together key expertise of different scientific sectors (legal, economic, humanities, engineering), working for academic and non-academic institutions.



MSCA in Horizon 2020

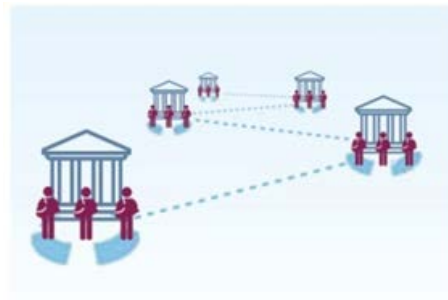
- Supporting researcher training and career development
- Funding excellent research, bottom-up
- Promoting researcher mobility
- Stimulating international, inter-sectoral and interdisciplinary cooperation
- Impacting researcher careers, organisations, structures



ITN
Innovative
Training Networks



IF
Individual
Fellowships



RISE
Research and Innovation Staff
Exchange

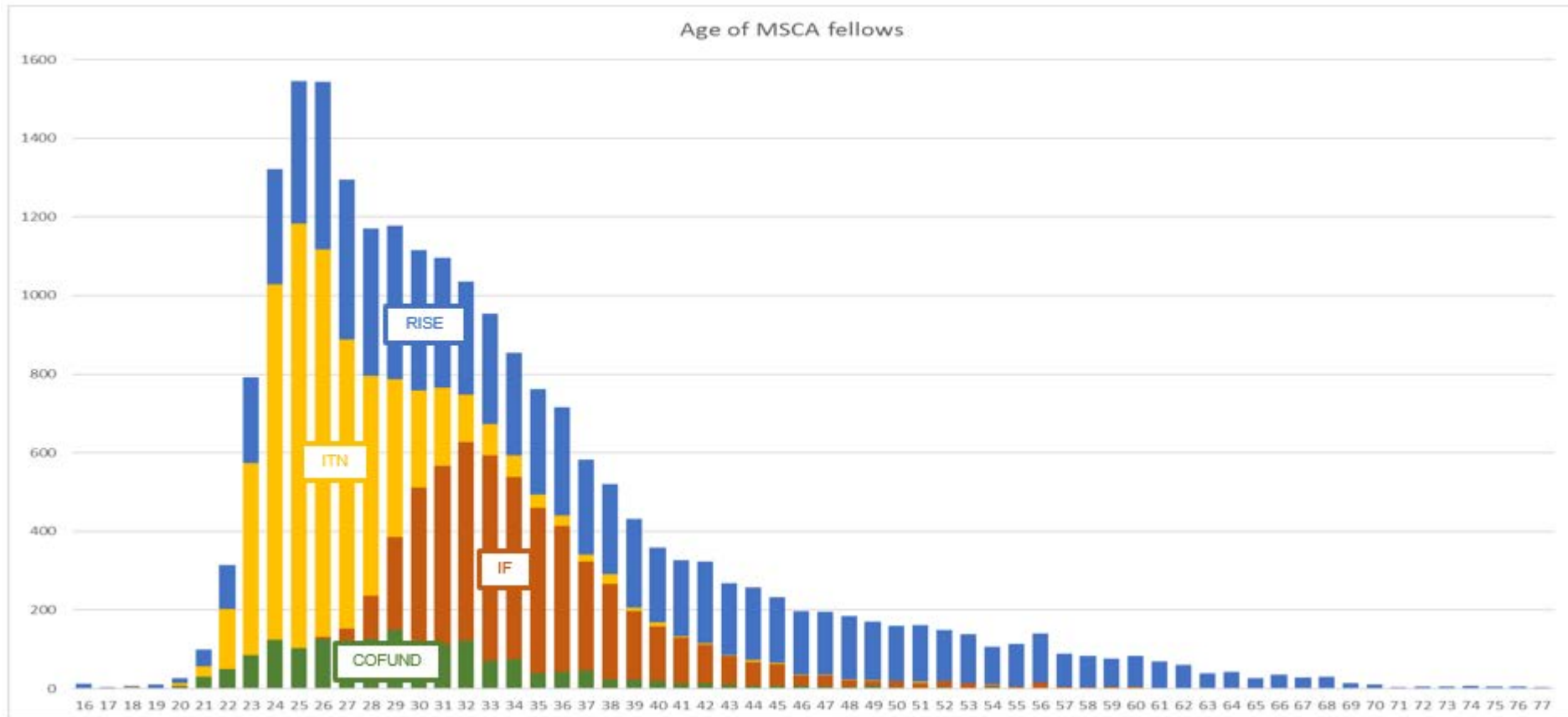


COFUND
Co-Funding of Regional, National and
International Programmes

European
Researchers'
Night

MSCA – who participates?

- Complementarity: ITN > ESR, IF > ER, RISE & COFUND > all
- MSCA for young researchers below 40 years
- Gender balance – almost there...



ESR = early-stage researcher
ER = experienced researcher

Mobility to/from 'Europe' ?

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

14 Associated Countries (AC)

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



*'Europe' means: EU member states plus
countries associated to Horizon 2020 (MSCA)*



'Third Country' (TC) means: all other countries



European
Commission

Education
and Culture

2018-2020 WP

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.



European
Commission | Education
and Culture

Next call deadlines & budget

Funding scheme	Call opens	Call closes	Budget
ITN	12/10/2018	15/01/2019	470 mEUR
IF	11/04/2019	11/09/2019	296 mEUR
RISE	22/11/2017	02/04/2019	80 mEUR
COFUND	12/04/2018	27/09/2018	80 mEUR

HORIZON EUROPE objectives and structure

Support the creation and diffusion
of high-quality knowledge

Strengthen the impact of R&I
in supporting EU policies

Foster all forms of innovation and
strengthen market deployment

Optimise the Programme's delivery for impact in a strengthened ERA



Pillar 1
Open Science

European Research Council

Marie Skłodowska-Curie Actions

Infrastructures



Pillar 2
Global Challenges and
Industrial Competitiveness

Clusters

- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources

Joint Research Centre



Pillar 3
Open Innovation

European Innovation Council

European innovation ecosystems

European Institute of Innovation
and Technology

Strengthening the European Research Area

Sharing excellence

Reforming and Enhancing the European R&I system

A EUR 100 billion package investing in research and innovation for seven years (2021-2027), including Euratom

MSCA in Horizon Europe

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





Questions? Comments? Suggestions? Ideas?

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Marie Skłodowska-Curie Website

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