The Making of Research Policy

Encouraged technical and scientific research to increase efficiency and safety in the iron and steel industry.

- **1951** Article 55 ECSC Treaty
- **1957** Euratom Treaty JRC
- **1958** Commissioner Research & Training appointed
- **1957** Art. 41 & Art. 235 EEC Treaty
- **1951** Encouraged technical and scientific research to increase efficiency and safety in the iron and steel industry.
- **1953** CERN
- **1963** EMBO
- **1957** Euroatom traineeships (1-6 months)
- **1960** 30 Projects proposed by PREST in six scientific topics
- **1969** Co-operation in Scientific and Technological Research (COST)
- **1971** European Space Agency (ESA)
- **1974** European Science Foundation (ESF); PREST goes CREST
- **1975** Co-operation in Scientific and Technological Research Policy (PREST)
- **1978** European co-operation in industrial and scientific development; EMBO
- **1979** Creation of the DG "Research, Science and Education" (DG XII) Action Programme S&T Policy
- **1980** European Science Foundation (ESF); PREST goes CREST
- **1984-87** First European Patent
- **1981** Four years programme on IT, Recycling of Urban & Industrial Wastes, Clima Research
- **1984-87** FP1 (7080 M ECU)
- **1990-94** FP3 (12563 M ECU) HCM
- **1994-98** FP4 (13 215 M ECU) TMR
- **1998-2002** FP5 (14960 M€) IHP
- **2002-06** FP6 (19113 M€) MCA
- **2007-13** FP7 (53272 M€) MCA
- **2006** ERC
What is new at the "Horizon 2020"

H2020 is an instrument for growth and jobs with a total budget of 70.2 bn €

It constitutes a break from the past by:

• Bringing together three separate programmes/initiatives (Single Programme)

• Coupling research to innovation – from research to retail, all forms of innovation

• Focus on societal challenges facing EU society, e.g. health, clean energy and transport

• Simplified access, for all companies, universities, institutes in all EU countries and beyond.
Main objective

Ensure the optimum development and dynamic use of Europe’s intellectual capital in order to generate new skills and innovation.

Rationale

- Encourage new and creative types of training
- Identify excellent talents in research and innovation worldwide
- Make the best researchers in Europe and the world, to work together across countries, sectors, and disciplines
- Create a whole new mind-set in Europe, crucial for entrepreneurship and innovation
MSCA Features

Research & Training

Excellence
Research
Careers
Training
Networking

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MSCA Features

• **Bottom-up** approach

• **Mobility**, both trans-national and inter-sectoral
  - Opening research careers at European and International level
  - Enhanced business-academia collaboration and staff exchange

• Excellent **employment and working conditions**, in line with the EU **Charter and Code for Researchers**

• Role model with pronounced **structuring effect** on regional, national and other international programmes
MSCA Features

- Broad definition of industry involvement: participation of businesses (including SMEs) and other socio-economic actors
- Internal H2020 synergies with other part of Excellent Science, societal challenges, industrial technologies, EIT
- Developing synergies with Erasmus for All programme
- Gender balance and equal opportunities
- Strong emphasis on outreach activities and communicating research

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<th>Innovative Training Networks</th>
<th>ITN</th>
<th>Training Networks, European Industrial Doctorates, Joint Doctorates</th>
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<td>Individual Fellowships</td>
<td>IF</td>
<td>Support for experienced researchers undertaking international and inter-sector mobility</td>
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<td>Research and Innovation Staff Exchange</td>
<td>RISE</td>
<td>International and inter-sector cooperation through the exchange of staff</td>
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| Co-funding of programmes    | COFUND | Co-funding of regional, national and international programmes:  
- doctoral programmes  
- fellowship programmes |
MSCA - main EU programme for structured doctoral training

- Dedicated to early-stage researchers
- Involving wide partnership of institutions from academic and non-academic sectors
- Based on FP7 ITNs experience + support to joint doctorates
- Addressing triple 'i' dimension of mobility
- Developing entrepreneurship and skills matching research labour market needs
- Enhancing employability of researchers
Individual Fellowships (IF)

- Opportunities for international and inter-sector mobility of ER to facilitate career moves
- Enhance competences and creative potential of best researchers, European and non-European willing to work in the EU
- Encompass intra-European, incoming, outgoing mobility and re-integration
- Possibility of inter-sector secondments
New type of staff exchange action, to stimulate transfer of knowledge

Flexible inter-sector (within Europe) and international (with 3rd countries) exchanges of highly skilled research and innovation staff

Single eligibility rule for partnership consortia

Based on a common research project
COFUND

✔ Stimulating regional, national and international programmes to foster excellence
✔ Spreading the best practices of MSCA
✔ Extended to doctoral training and exchange of staff
✔ Building on experience from FP7 COFUND – evaluation results available:
  • COFUND is enhancing the international dimension of a number of national
    and regionally-based fellowship programmes in ways that are not open to
    Individual Fellowships
  • Modest positive impact on operational and administrative procedures of
    host institutions (COFUND)
  • Contributing to a gradual ‘levelling up’ in employment conditions for
    researchers

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Marie Skłodowska-Curie Actions

Marie Curie Actions Website
http://ec.europa.eu/mariecurieactions

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