



Marie Skłodowska-Curie Actions under Horizon 2020





Marie Curie achievements

Horizon 2020

Marie Skłodowska-Curie Actions:

- ✓ *Objectives and rationale*
- ✓ *Feedback received*
- ✓ *Key features*
- ✓ *MSC Actions under H2020*
- ✓ *Expected impact*

FP7 MC Actions



European
Commission

ITN (Initial Training Networks) including EID and IDP since 2012	Research networks supporting initial and doctoral training 43% of FP7 MCA budget, 9-10% success rate
IEF (Intra-European Fellowships)	Support for researchers moving inside Europe
IOF (International Outgoing Fellowships)	Support for researchers moving away from Europe
IIF (International Incoming Fellowships)	Support for researchers moving to Europe
CIG (Career Integration Grants)	Support for researchers starting a permanent position in Europe
IAPP (Industry-Academia Partnerships and Pathways)	Industry-Academia cooperation through exchange of staff
IRSES (International Research Staff Exchange Scheme)	International cooperation between MS/AC & other third countries through exchange of staff
COFUND (Co-funding of regional, national, international programmes)	Co-funding of regional, national and international research funding programmes for experienced researchers



European
Commission

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020



Horizon 2020

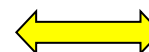
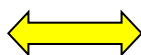


European
Commission

Europe 2020 priorities

International cooperation

European Research Area



Shared objectives and principles
Common rules, toolkit of funding schemes

Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research, and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

Industrial Leadership

- Leadership in enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
- Access to risk finance
- Innovation in SMEs



Excellent Science

- European Research Council
- Future and Emerging Technologies
- Marie Curie actions on skills, training and career development
- Research infrastructures



Simplified access

Dissemination & knowledge transfer

Supporting the objectives:

**European Institute for Innovation and Technology
Joint Research Centre**

MSCA Objectives



- **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, creative and innovative types of training
- ✓ Identify excellent talents in research and innovation in international competition
- ✓ Make best researchers in Europe and the world work together across countries, sectors and disciplines
- ✓ Create a whole new mindset in Europe, crucial for creativity and innovation

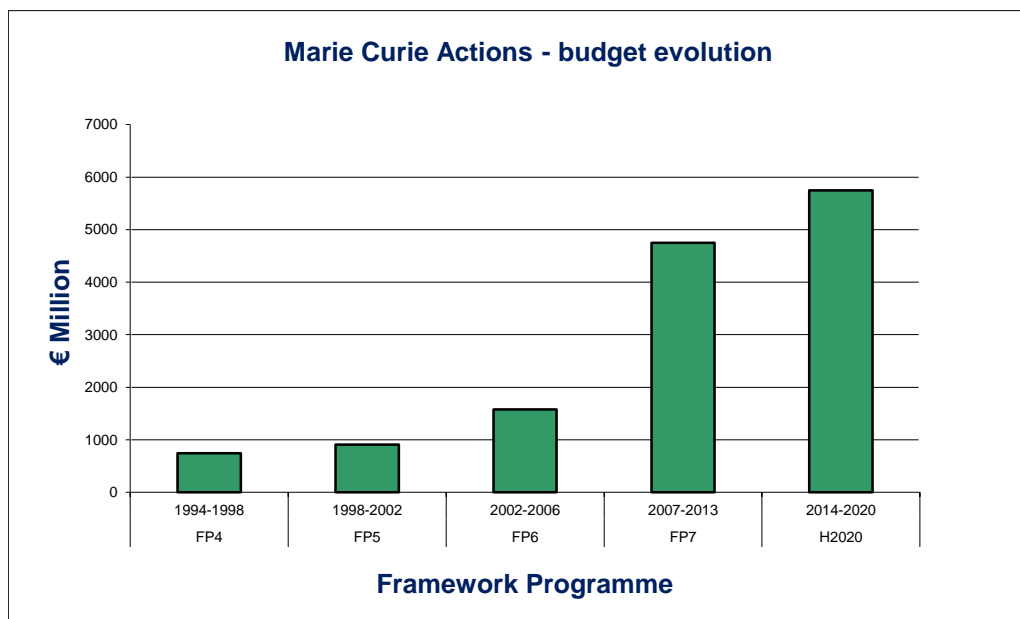
Marie Skłodowska-Curie Actions = excellent researchers' training and mobility for career development

MSCA in H2020



European
Commission

Proposed Budget (2014-2020): € 5.75 billion



~7% of H2020 budget

Stakeholder feedback



Top 5 most frequent comments on MCAs:

1. One of the most successful programmes; call for an increase of the budget allocated
2. Knowledge triangle to be reinforced
3. Importance of mobility
4. Bottom-up approach
5. Streamlining

'The Marie Curie scheme is one of the most efficient programmes, both in terms of support from the scientific community and of outcome in reinforcing the quality and excellence of scientific staff. Compared to many other programmes in H2020, it has a long and proven track record.'
(LERU)

'The Marie Curie scheme has been particularly successful in encouraging the mobility of researchers across the European Research Area, and providing valuable research training for the predominantly young researchers who form the future of the EU's science base.'
(UK Higher Education Sector)

'The MCA research training and mobility programme is one of the clear success stories of the previous Framework Programmes. It has effectively reached out to and gained respectability amongst the research community.'
(VRWI)

MSCA – Key Features



- Bottom-up approach remains
- Fostering key skills and competences for research and innovation
- Main EU programme providing structured doctoral training, including industrial doctorates
- 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 – Key Features



- Cross-cutting issues
 - ✓ Gender balance
 - ✓ Strengthening the participation of SMEs
 - ✓ Synergies with the societal challenges and the industrial technologies
- Broad participation of businesses and other socio-economic actors
- Increased possibility of the portability of grants
- Stronger emphasis on communicating results and on outreach activities
- Extended use of the scale of unit costs (including indirect costs)

MSC Actions



European
Commission

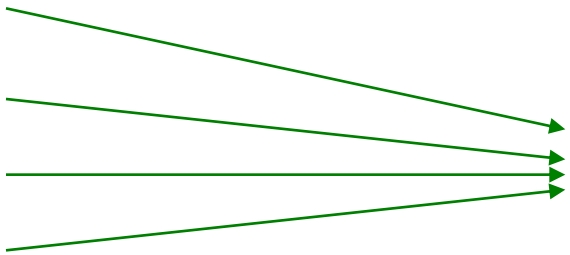
ITN
(including EID and IDP)



Action 1
Early-stage
Researchers

Doctoral and initial training of researchers proposed by international networks of organisations from public and private sectors

IEF
IOF
IIF
CIG



Action 2
Experienced
Researchers

Individual fellowships for most promising experienced researchers to develop their skills through international or inter-sector mobility

IAPP
IRSES



Action 3
Exchange of
Staff

International and inter-sector cooperation through the exchange of research and innovation staff

COFUND



Action 4
COFUND

Co-funding of regional, national and international programmes covering actions 1, 2 and 3



2014-2020

- ~ 65.000 researchers to be supported, including 25.000 PhD candidates
- ~ 200.000 scientific publications in high impact peer-reviewed journals
- ~ 1.500 patent applications
- ~ 100 spin-offs created
- ~ 350-400 new regional / national / international programmes to be created targeting international and intersectoral training, and career development of research and innovation staff



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

Horizon 2020
<http://ec.europa.eu/research/horizon2020>