Researcher and Student Mobility

Develop your research career with Europe

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**Erasmus+** is the new European Union programme for education, training, youth and sport for 2014-2020. It replaces several existing EU programmes, covering all sectors of education. Erasmus+ significantly increases EU funding (+40%) for the development of knowledge and skills, reflecting the importance of education and training in EU and national policy agendas. It aims to boost people's personal development and job prospects.

**Marie Curie Fellowships** are European research grants available to researchers regardless of their nationality or field of research. In addition to generous research funding scientists have the possibility to gain experience abroad and in the private sector, and to complete their training with competences or disciplines useful for their careers.

The **European Research Council** encourages the highest quality research in Europe through competitive funding and to support investigator-driven frontier research across all fields, on the basis of scientific excellence. Being 'investigator-driven', or 'bottom-up', in nature, the ERC approach allows researchers to identify new opportunities and directions in any field of research, rather than being led by priorities set by politicians.
Erasmus+
International opportunities for Higher Education
**Key Action 1**

**Learning mobility of individuals**

- International **credit mobility**
- **Degree mobility**/ joint Masters

- Staff mobility for teaching and training
- Mobility for students including to and from Partner countries
- Joint Master degrees
- Joint Doctoral degrees
- Student loan

**MORE mobility 63% of total budget**

- **2 million** higher education students over 7 years
- **135,000** student & staff exchanges with Partner countries
- **200,000** Master student loans
- **25,000** scholarships for Joint Master degrees
International credit mobility

- No longer relevant to differentiate between intra-EU and international mobility
- Full streamlining of calendar and procedures, management by National Agencies
  (Note: international mobility launched later)
- Use of same quality instruments.
- ~135,000 student and staff mobility flows expected between Programme and Partner countries
International credit mobility

- Level of grants adapted to international mobility
- EU external policy priorities apply
- HEIs to apply for:
  - Sending and receiving mobility to/from Partner countries
  - Individually or within a consortium
International credit mobility

Student credit mobility

- All levels of higher education (Short cycle, Bachelor, Master, Doctoral levels) + recent graduates + all disciplines
- From 3 to 12 months for studies
- From 2 to 12 months for traineeships (not open to partner countries in first 2 years)
- Each student can benefit up to 12 months per study cycle
Excellent Joint Master courses offered by universities from Europe and partner countries attracting best students through high level scholarships scheme

- Very **high selectivity**
- Implemented by consortia of **fully recognised HEIs**, in the EU and possibly in Partner countries
- Focus on **jointness** at all levels of development and implementation
- **Full scholarships** for the best master students worldwide with priority to students from Partner countries
- Support to **invited scholars (guest lecturers)** contributing to the JMD teaching/training/research activities
- **Joint degrees strongly encouraged** but not mandatory (double and multiple degrees still eligible)
- **Centrally managed** in Brussels by the Executive Agency
Taking part as an institution

- Minimum 3 HEI from 3 EU countries
- Funding for 1 preparatory year + 3 intakes, then possible co-funding after quality review
- New Joint Doctorates funded under Marie Skłodowska Curie
- Continued funding of Erasmus Mundus joint Master and doctoral courses until 2017
Joint Master Degree scholarships are:
- competitive with other international postgraduate scholarship schemes
- include
  - a travel and installation allowance (variable)
  - a fixed monthly subsistence allowance for all scholarship holders
  - coverage of the students' participation costs

JMD scholarship applicants must:
- Have a first higher education degree or equivalent
- Sign a student agreement
European Joint Doctorates

- Covering all research areas
- Minimum of three participating organisations located in different Member States or Associated Countries, entitled to award doctoral degrees
- Funding for four years
- Requirement to deliver a joint, double or multiple degree
- Joint governance structure with joint admission, selection, supervision, monitoring and assessment procedures
- Transnational mobility for fellows notably through secondments to the partner institutions
- Deadline for applying- 9 April
Cooperation for innovation and best practices

- Strategic partnerships between education/training or youth organisations and other relevant actors
- Large scale structured partnerships between education and training establishments and business: Knowledge Alliances & Sector Skills alliances
- IT-Platforms incl. e-Twinning
- Capacity building with Partner countries and focus on neighbourhood countries

MORE cooperation for more INNOVATION
28% of total budget

- 20,000 Strategic Partnerships
- 150 Knowledge Alliances
- 1000 Capacity Building Projects
1. **Joint projects**: New curricula & degrees, learning and teaching methodologies, staff development, quality assurance, governan Bologna tools

2. **Structural projects**: Reforms at national level with support of authorities in Partner Countries (policy modernisation, Bologna policies, governance and management of higher education systems...)
Marie Skłodowska-Curie Actions
Your research career in Europe
As a researcher I want to...

- undertake a **project** in Europe
- spend my time at the **leading labs** in Europe
- be part of a well-established and **prestigious programme**
- benefit from **good working conditions**

Why?
### Innovative Training Networks (ITN)
- **ITN** early-stage researchers (< 4 years)
- Doctoral and initial training: European Training Networks, European Industrial Doctorates, European Joint Doctorates

### Individual Fellowships (IF)
- **IF** experienced researchers (> 4 years)
- Support for experienced researchers to undertake international and inter-sector mobility, incl. career restart and reintegration

### Research and Innovation Staff Exchange (RISE)
- RISE
- International and inter-sector cooperation through the exchange of staff

### Co-funding of programmes (COFUND)
- **COFUND**
- Co-funding of regional, national and international programmes:
  - doctoral programmes (ESR)
  - fellowship programmes (ER)
Experience
Support for two categories of researchers:

*Early Stage Researcher:* Less than 4 years of research experience*, and without a doctoral degree ("pre-doc")

*Experienced Researcher:* In possession of a doctoral degree or at least 4 years of research experience* ("post-doc")

*counted from the time when the individual is entitled to embark on a doctoral degree

**Mobility**
Support for two types:

*European:* moving from outside Europe into Europe
Or moving within Europe

*Global:* moving from Europe to a country outside of Europe – NB compulsory return phase of one year (fully funded)
2 ways to be supported:

Apply for your own fellowship

or

Apply to a project
Individual Fellowships

Post-doctoral fellowships for outstanding researchers

For experienced researchers

• In possession of a doctoral degree, or have 4 years of full-time research experience at the time of the call deadline

Objective

• enhance the creative and innovative potential of experienced researchers
• provide opportunities to acquire new knowledge, work on research projects in a European context
**European Fellowships:**

- International mobility within or into EU Member States (MS) and Associated Countries (AC)
- Experienced researchers of any nationality
- Applicants must not have resided or carried out their main activity in the country of the host organisation for more than 12 months in the 3 years immediately prior to the call deadline

**Global Fellowships:**

- International mobility from Member States (MS) and Associated Countries (AC) to a third country and return
- Support to experienced researchers of any nationality: nationals of EU countries and long-term residents
- Applicants must comply with the rules for mobility:
- Must not have resided or carried out their main activity in the country of the 3rd country organisation for more than 12 months in the 3 years immediately prior to the call deadline
Next call: March 2014

Opens: 12 March 2014
Closes: 11 September 2014
@ 17:00:00 CET
To prepare:

- Look for a host institute and supervisor (you can only submit one application per call)
- Design your research project
- Consider appropriate secondment options
- Think about the proposal in the context of the Evaluation Criteria (see Work Programme available on the Participant Portal)

Guide for Applicants published with the call
Innovative Training Networks

Research training for PhD & (some) first PostDoc

- Doctoral and initial training of researchers proposed by international networks of organisations from public and private sectors
- Transnational network in multi/interdisciplinary and emerging fields
- Training primarily through research on individual, personalised research projects
- Complemented by substantial training modules in key transferable skills
- Strong involvement of commercial entities in training
- Working with some of the best researchers in Europe and internationally
RISE – Research and Innovation Staff Exchange

• It helps research organisations to set up or strengthen long-term cooperation with others, through a coordinated exchange programme for their staff.
• All areas of scientific and technological research that are of interest to the EU
• Organisations from the academic and non-academic sectors (in particular SMEs), based in Europe (EU Member States and Associated Countries) and outside Europe (third countries)
• Support for a maximum period of 48 months.
• The scheme fosters a shared culture of research and innovation that welcomes and rewards creativity and entrepreneurship and helps to turn creative ideas into innovative products, services or processes
How to apply for a fellowship

• All projects publish their vacancies on the Marie Curie website

• Eligibility criteria depend only on level of research experience and mobility

• Funding levels defined by the MSCA - employment contracts with full social security

• 3 year PhD training; max 24 months for post docs

!!! Check the MSCA website frequently !!!
The European Research Council
ERC basics
What is ERC?

- An autonomous funding body set up by the EU in 2007 and led by scientists
- Funding excellent researchers of any nationality, to carry out frontier research in Europe, via annual competitions
- In all fields of science and humanities, without thematic priorities
- 1 researcher, 1 Host Institution, 1 project, 1 selection criterion
- Substantial grants and a recognised label of excellence
- International, top level peer-review
ERC achievements
After 7 years of existence...

- Highly recognised by the research community
- 4 300 top researchers funded (65% are at an early-career stage); 64 nationalities represented
- Highly competitive (average success rate 12%)
- Working in almost 600 different institutions in 29 countries
- 50% of grantees in 50 institutions: “Excellence attracts excellence”
- Benchmarking effect: impact on national programmes and agencies; national funding for best "runners-up"
- Efficient and fast grant management
ERC in the H2020 structure

The HORIZON 2020 main components:

- Excellent Science
  - World class science is foundation of technologies, jobs, well-being
  - Europe needs to develop, attract, retain research talent
  - Researchers need access to the best infrastructures
- Industrial leadership
- Societal challenges

Excellent Science:

- European Research Council (budget under H2020: € 13.1 billion)
- Future and Emerging Technologies
- Marie Skłodowska Curie Actions
- Research Infrastructures
ERC basics
ERC funding schemes

Starting Grants
starters
(2-7 years after PhD)
up to € 2.0 Mio
for 5 years

Consolidator Grants
consolidators
(7-12 years after PhD)
up to € 2.75 Mio
for 5 years

Advanced Grants
track-record of
significant research achievements in the
last 10 years
up to € 3.5 Mio
for 5 years

Synergy Grants
2 – 4 Principal Investigators
up to € 15.0 Mio for 6 years

Proof of Concept
bridging gap between research - earliest stage of marketable innovation
up to €150,000 for ERC grant holders
ERC basics
Substantial grants to the very best

- The Researcher (PI : Principal Investigator)
  - ERC funds individual scientists
  - Any nationality, age or current place of work in the world
  - Starting, consolidator or advanced grant (depending on work experience and scientific achievements)
  - Exceptional profile: but submit proposal only if ready - a key change in the new calls are the more stringent resubmission restrictions

- Research team
  - The PI can choose national or trans-national team members if scientific added value proven
  - The grant covers the salary of team members
ERC basics
Substantial grants to fund frontier research

- **Frontier research project**
  - **All fields of fundamental research:** Physical Sciences & Engineering, Life Sciences, Social Sciences & Humanities
  - **Bottom-up:** no predetermined subjects, no priorities
  - **High risk/high gain**
  - **5 years projects**
  - **No consortia**

- **Host Institution (HI) in Europe**
  - The one where the researcher already works, or any other institution established in the EU or associated countries
  - Grants are portable (= the PI can change Host Institution)
  - Universities, research centres; public or private
ERC basics
Attractive features for researchers from outside Europe

- **Incentive**
  - Additional “start-up” funding for scientists moving to Europe (EUR 500 000 for Starting, EUR 750 000 for Consolidator, and EUR 1 Million for Advanced grantees)

- **Flexibility**
  - Grantee can keep affiliation with home institute outside Europe (“significant part” of work time in Europe)
  - Team members can be based outside Europe
### ERC in H2020

**Work program 2014 planning**

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<td>485 M€</td>
<td>11 December 2013</td>
<td>25 March 2014</td>
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<td>713 M€</td>
<td>11 December 2013</td>
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<td>ERC-2014-AdG</td>
<td>450 M€</td>
<td>17 June 2014</td>
<td>21 October 2014</td>
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<td><strong>Proof of Concept</strong></td>
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<tr>
<td>ERC-2014-PoC</td>
<td>15 M€</td>
<td>11 December 2013</td>
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Erasmus +
http://ec.europa.eu/erasmus-plus

MSCA website:
http://ec.europa.eu/mariecurieactions

Participant Portal:
http://ec.europa.eu/research/participants/portal/

European Research Council (ERC)
http://erc.europa.eu

EURAXESS European Researchers Mobility Portal:
http://ec.europa.eu/euraxess/