2015 EU Funding

• HORIZON 2020 Overview
• Marie Skłodowska-Curie Actions
• European Research Council
• Experiences of Grantees

Dr. Ute Krell
EU-Projektbüro
Hamburg, 03. Sept. 2015
HORIZON 2020: three priorities

H2020 Budget: 77B€ (current prices)

- Excellent Science 24.4 B€
- Industrial Leadership 17B€
- Societal Challenges 29.6 B€

2014 – 2020
HORIZON 2020

Excellent Science
- European Research Council (ERC)
- Future and Emerging Technologies (FET)
- Marie Skłodowska Curie Actions

Industrial Leadership
- Leadership in enabling and industrial technologies
- Access to risk finance
- Support innovation in SMEs

Societal Challenges
- Health, demographic change
- Food security, water
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency & raw materials
- Inclusive, innovative and reflective societies
- Protecting freedom and security

Spreading excellence & widening participation
Science with and for society
EIT
JRC

([Image of HORIZON 2020 diagram with categories and initiatives listed])
Marie Skłodowska-Curie Actions: Opportunities 6.1 B€

1. Support for Doctoral Candidates
   - Additional PhD

2. Individual Fellowships
   - Additional Post Docs
   - Success rate ~17%

3. Staff Exchange
   - Additional Travel Budget

4. COFUND
   - Additional PhD large admin
## Marie Skłodowska-Curie Actions: Overview

<table>
<thead>
<tr>
<th>Action</th>
<th>Horizon 2020</th>
<th>Success rate</th>
</tr>
</thead>
</table>
| 1. Support for Doctoral Candidates | Innovative Training Networks (ITN)  
 European Training Networks (ETN)  
 European Industrial Doctorates (EID)  
 European Joint Doctorates (EJD) | ~10%         |
| 2. Individual Fellowships | Individual Fellowships (IF)  
 European Fellowships (EF)  
 Global Fellowships (GF) | ~17%         |
| 3. Staff Exchange | Research and Innovation Staff Exchange (RISE)  
 International and intersectoral stream | ~50%         |
| 4. COFUND | „Co-funding of regional, national and international programmes“ (COFUND)  
 Doctoral programmes  
 Fellowship programmes | 40-50%       |
**MSCA: Individual Fellowships (IF)**

**Individual actions: proposal by an individual researcher together with a host institution**

<table>
<thead>
<tr>
<th>Categorie</th>
<th>Funding</th>
<th>Who?</th>
<th>Call</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>European Fellowships (EF)</strong></td>
<td>12- 24 month research stay <em>in a MS/AS</em></td>
<td>ER</td>
<td>once a year</td>
</tr>
<tr>
<td></td>
<td>opportunity of optional secondment for max. 6 months to „non-academic sector“</td>
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</tr>
<tr>
<td><strong>Global Fellowships (GF)</strong></td>
<td>12- 24 month research stay <em>outside Europe</em> with return phase of 12 months within MS/AS</td>
<td>ER*</td>
<td>once a year</td>
</tr>
<tr>
<td></td>
<td>opportunity of a optional secondment for max. 6 months to „non-academic sector“</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Proposal 10 pages*

ER* nationals or long-term (>5 years) residents of MS/AC
**MSCA - Individual Fellowships**

**European Fellowship EF**
- DESY
- Current
- 12-24 months
- or
- DESY
- MS/AC
- Third Country

**Global Fellowship GF**
- DESY
- Current
- Host 1
- 12 months
- or
- DESY
- Host 1
- ER with European Resident (> 5 years)

**Return / Reintegration**
- DESY
- Current
- Success rate 25 - 13%
- or
- DESY
- Current
- Success rate 30 - 13%

Deadline: yearly

ER with European Resident (> 5 years)
MSCA: Individual Fellowships (IF) Proposal

To improve individual researcher career due to mobility

Proposal 10 pages

> Research project which can be done „only“ at the Host institution

> Why is the stay at the Host institution a significant impact for the individual career?

> Which additional training potential, enhance skills & working conditions?

> Dissemination of results

> Quality of supervision & transfer of knowledge

> Coherent work plan

Mobility
European Research Council: Purpose

> **Excellence Science in Europe**
  - Frontier & groundbreaking research
  - Supporting excellent scientists

> Achieve independence for young researchers

> Attract Europe for excellent researchers

  Thematically open

> Principal Investigator (PI) can be from anywhere

> Host Institution must be in MS/AC, free choice & changable
ERC Frontier Research Grants  

### Starting Grants

| Who?          | 2 - 7 years after PhD  
|              | 1.1.2009 – 1.1.2014  
|              | extension possible * |
| Objectives   | Promising scientist at the start of  
|              | an independent research career |
| Funding      | Max 1.5 M€ for 5 years  
|              | (+ 500 000 € Equipment/ PIs from Third Countries) |
| Time Commitment | ≥ 50% (min. 50% in Europe) |
| Deadlines    | 17 November 2015 |

#### Success rate FP7

- 3.4 - 15.8 %

#### In 2014

- Proposals: 3272 total/ 1490 PE
- Funded: 11.5%
- 375 total/ 136 PE

* maternity, paternity, long-term illness (>60days), national services
### Consolidator Grants

<table>
<thead>
<tr>
<th><strong>Who?</strong></th>
<th>7 - 12 years after PhD 1.1.2004 – 1.1.2009 extension possible</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Objectives</strong></td>
<td>Consolidation of an own research team of junior scientists</td>
</tr>
<tr>
<td><strong>Funding</strong></td>
<td>Max 2.0 M€ for 5 years (+ 750 000 € Equipment/ PIs from Third Countries)</td>
</tr>
<tr>
<td><strong>Time Commitment</strong></td>
<td>≥ 50% (min. 50% in Europe)</td>
</tr>
<tr>
<td><strong>Deadlines</strong></td>
<td>2 February 2016</td>
</tr>
</tbody>
</table>

**Success rate FP7**
8.7 - 10.3%

**In 2014**
Proposals: 2525 total/ 1490 PE
Funded: 14.7%
372 total/165 PE
<table>
<thead>
<tr>
<th><strong>Who?</strong></th>
<th>Established excellent researchers: track-record of the last 10 years</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Objectives</strong></td>
<td>Further development of a research team in Europe</td>
</tr>
<tr>
<td><strong>Funding</strong></td>
<td>Max. 2.5 M€ for 5 years (exceptional 3.5 Mio. €)</td>
</tr>
<tr>
<td><strong>Time Commitment</strong></td>
<td>≥ 30% (min 50% in Europe)</td>
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<tr>
<td><strong>Deadlines</strong></td>
<td>01 September 2016</td>
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</tbody>
</table>

**Success rate FP7**
12.3 – 16.1 %

**In 2014**

Proposals: 2287 total/ 1057 PE
Funded: 8.3%
190 total/ 83 PE
ERC Evaluation

Single stage submission (A, B1 & B2)  Two-step evaluation

**Step 1**
Evaluation by panel members & shadow panel: Part B1

- A: re-submit
- B: re-submit in 1 year
- C: re-submit in 2 years

**Step 2**
Evaluation by external reviewers (50%) & panel members: Part B2 Interview*

- A: funded
- A: re-submit
- B: re-submit

Evaluation Summary Report Ranking & Comments by all Reviewer

* not AdG
ERC Proposal

> Register in Participant Portal: Acronym, Titel
> Part A: online forms, incl. Panel & Abstract
> Part B1: Synopsis of the project (5 p +)
  CV (2p)
  Track record (2p)
> Part B2: Scientific proposal (15p)
  State-of-the-Art & Objectives
  Methodology
  Project plan (team, host institution)
  Risk
  Scientific impact
  Resources
> Phd certificate, Commitment letter of the Host Institution

Selling
your idea & yourself
Teaser for B2

Convincing
on novelty & impact
& capability
ERC Success 1

> **enough time** to write your proposal

  StG & CoG  3-6 months

  AdG  1-3 years, writing at least 3 months

> **PI outstanding and convincing**

  => CV & track record

  choose the right moment: come back from overseas, after a very successful Postdoc

  after a substantial publication (first author)…..

  Hirsch index, importance of certain publications

  **AdG: had substantial impact in a scientific field, international visibility, recognized leadership**

  **StG & CoG: invited presentations, awards, organisation of conferences, school, trained students…**
ERC Success 2

> Project idea: ground breaking & realistic & innovative methodology
  high risk but feasible &
  possibility to take over leading role in Europe

AdG sound preliminary work => something new can be measured

StG & CoG idea should not be too ambitious

*not same method/new approach or new method/same approach, incremental improvement, recycling of previous projects*
Proposal writing

> In general:
  - Abstract and title are essential (short & concise)
  - Easy to read and to understand for scientific, non-experts
  - Clear identification and description of the aim
  - Clarity in layout and structure, use graphs
  - Precise schedule incl. milestones, deliverables
  - Careful budgeting, overview shall be included in Part B2
  - Selection of panel is important
  - Get advise by experts in your field and of non-experts

> Get in contact with EUP as early as possible
  - To receive support on Part B1…. > 4 weeks before deadline
  - To receive the commitment letter (final acronym & title) > 2 weeks before deadline
Become an Evaluator/Expert

- Gain experiences

- Please register yourself:

- Inform EUP
Links

- ERC ..how to write a successful proposal
  http://andreas-zeller.blogspot.de/2013/02/twelve-tips-on-how-to-prepare-erc-grant.html
  http://erc.europa.eu/

- Horizon 2020 General

- Horizon 2020 Calls, Registration => Participant Portal
Good luck