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
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: Opportunities 6.1 B€

Success rate

Marie Skłodowska-Curie Actions:
- Marie Skłodowska-Curie Actions: Opportunities
- COFUND
- 6.1 B€

Support for Doctoral Candidates
- Additional PhD

Individual Fellowships
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Additional PhD large admin

Marie Skłodowska-Curie Actions: Opportunities
- COFUND
- Success rate
- 6.1 B€
## Marie Skłodowska-Curie Actions: Overview

<table>
<thead>
<tr>
<th>Action</th>
<th>Horizon 2020</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)  |
|                                    | Success rate ~10%                                                           |
| 2. Individual Fellowships           | Individual Fellowships (IF)  
European Fellowships (EF)  
Global Fellowships (GF)          |
|                                    | Success rate ~17%                                                           |
| 3. Staff Exchange                   | Research and Innovation Staff Exchange (RISE)  
International and intersectoral stream |
|                                    | Success rate ~50%                                                           |
| 4. COFUND                           | „Co-funding of regional, national and international programmes“ (COFUND)  
Doctoral programmes  
Fellowship programmes          |
|                                    | Success rate 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 in a MS/AS</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>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Global Fellowships (GF)</strong></td>
<td>12-24 month research stay outside Europe 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
- MS/AC

**Global Fellowship GF**
- Host 1
- DESY
- Current
- 12-24 months
- 12 months
- ER with European Resident (> 5 years)

**Return / Reintegration**
- DESY
- Current
- Third Country
- Success rate 25 - 13%
- Deadline: yearly

- DESY
- Current
- Host 1
- Success rate 30 - 13%
- *< 12 M @ DESY

* Ute Krell | EUP 03. September 2015 | Page 7
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 * |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Objectives</strong></td>
<td>Promising scientist at the start of an independent research career</td>
</tr>
</tbody>
</table>
| **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:** 375 total/ 136 PE
- **11.5%**

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

**Consolidator Grants**

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

**Success rate FP7**

8.7 - 10.3 %

**In 2014**

Proposals:
2525 total/ 1490 PE

Funded: 14.7%
372 total/165 PE
## Advanced Grants

<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>
</tr>
<tr>
<td><strong>Deadlines</strong></td>
<td>01 September 2016</td>
</tr>
</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
- 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

* not AdG

Evaluation Summary Report  Ranking & Comments by all Reviewer
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
> **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…
> 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 > 2 weeks before deadline
(final acronym & title)
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

EUP: Consultants at DESY

EU-Projektbüro: Geb 25b, 209/210
Dr. Ute Krell 4508
Beatrix Bugla 2888

Good luck