

# South Africa meets ETH Zurich

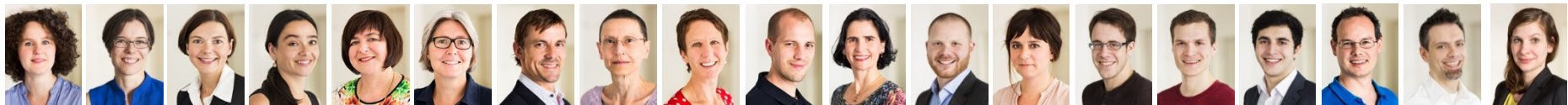
## Funding opportunities for Swiss-South African collaborations

EU GrantsAccess | Regina Notz | 10 March 2016

# EU GrantsAccess



- Joint office of the University of Zurich and ETH Zurich
- The office for International Research Programmes
- At ETH Zürich part of the Office of the Vice President Research and Corporate Relations (Prof. Dr. Detlef Günther)
- At the UZH a division of the research and academic career development unit (Prof. Dr. Christoph Hock)
- Euresearch Regional Office
- Networks EURAXESS, EARMA, IARU, LERU, NCURA, swissnex, swiTT



# Framework Programmes of the EU

| Framework Programme       | period    | Budget (billions of €)   |
|---------------------------|-----------|--|
| First                     | 1984–1987 | 3.8  |
| Second                    | 1987–1991 | 5.4  |
| Third                     | 1990–1994 | 6.6  |
| Fourth                    | 1994–1998 | 13.2   |
| Fifth                     | 1998–2002 | 15.0   |
| Sixth                     | 2002–2006 | 17.9   |
| Seventh                   | 2007–2013 | 50.5 over seven years<br>+ 2.7 for <a href="#">Euratom</a> over five years |
| Horizont 2020<br>(Eighth) | 2014–2020 | 80   |



- Horizon 2020 is the biggest EU research and innovation programme ever. Just over €70 billion research and innovation funding programme (2014-2020)
- Goals: Responding to the economic crisis to invest in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology
- Three Priorities: Excellent science, Industrial leadership, Societal challenges

# HORIZON 2020



## Excellent Science (€24.4bn)

ERC (€13.1bn)

FET (€2.7bn)

Marie Skłodowska-Curie Actions (€6.1bn)

Research Infrastructures (€2.5bn)

Euratom (€1.6bn)

Spreading Excellence (€0.8bn)

## Industrial Leadership (€17bn)

LEIT = Leadership in enabling and industrial technologies (€13.5bn)

- ICT
- Nano, new materials
- Biotechnology
- Space

Access to Risk Finance (€2.9bn)

Innovation in SMEs (€0.6bn)

Science for Society (€0.5bn)

EIT (€2.7bn)

## Societal Challenges (€29.7bn)

Health (€7.5bn)

Food (€3.9bn)

Energy (€6bn)

Transport (€6.3bn)

Climate (€3bn)

Inclusive Societies (€1.3bn)

Security (€1.7bn)

JRC (€1.9bn)



# Collaborative / Cooperation Projects

- Clearly defined scientific and technological objectives and specific expected results (top-down)
- Topics published in Workprogrammes (2 years) and calls are published yearly: <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>
- Consortia made up of participants from different countries, and from industry and academia
- Participation of at least 3 partners from 3 different member states or associated countries mandatory
- South African participants are fully funded except where this is explicitly excluded in the call text
- Criteria: Excellence–Impact–Implementation (panels of independent experts)
- 100% funding for non-profit organisations, 25% overhead
- Typically 2-5 years with 3-10 Mio € per project
- Proposal: ca. 80 pages -> a lot of work, primarily for the coordinator

# Collaborative / Cooperation Projects

Targeted Calls for Africa and Developing Countries

## **ICT-39-2017:**

### **International partnership building in low and middle income countries**

- Deadline 25 April 2017
- Consortium of at least three partners from three different EU Member States or Associated Countries
- Proposals 1-2 Mio € expected

## **SFS-43-2017:**

### **Earth observation services for the monitoring of agricultural production in Africa**

- Deadline 14 February 2017
- Consortium of at least three partners from three different EU Member States or Associated Countries
- Proposals up to 10 Mio € expected

# European Research Council ERC

- Overall aim: stimulate excellence in frontier research in Europe
- Support for excellent individual researchers
- Groundbreaking, high-gain/high-risk project ideas
- All fields of science
- Excellence (of PI and project) only evaluation criterion
- Host Institution must be in an EU Memberstate or Associated Country
- Complementarity to national funding schemes





# Grant types

- Starting Grant: 2-7 years post PhD, €1.5 mio, max . 5 years  
≥50% of working time on ERC project
- Consolidator Grant: 7-12 years post PhD, €2 mio, max. 5 years  
≥40% of working time on ERC project
- Advanced Grant: no research age restriction; >10 years as research leader,  
€2.5 mio, max 5 years, ≥30% of working time on ERC project
- Proof of Concept Grant (for ERC Grantees only), € 150'000 for 18 month

→ PIs should spend at least 50% of their total working time  
in an EU Member State or Associated Country.



# Opening ERC teams to the world

- Provide opportunities in Europe for early-career scientists supported by non-European funding agencies to temporarily join a research team run by an ERC grantee.
- Agreements signed with USA, Korea, Argentina, Japan, China, South Africa, Mexico
- Agreement with South Africa was signed on 26.10.2015 with National Research Foundation (NRF)
- Placements of NRF Career Advancement Fellows and Postdoctoral Research Fellows
- Single and long-term visits (e.g. 6-12 months) or multiple short-term visits of not less than 10 days and not more than 6 months (e.g. for joint experiments)
- Support Letter from SA Institution and Host Institution confirmation letter from European ERC Host
- Continue to receive their NRF fellowship funding during the period of the visit
- Travel expenses between South Africa and Europe will be covered by the NRF

# Running ERC Grants @ ETH Zurich

|              | AdG       | CoG      | StG       |
|--------------|-----------|----------|-----------|
| FP7          | 30        | 4        | 18        |
| H2020        | 7         | 1        | 9         |
| <b>Total</b> | <b>37</b> | <b>5</b> | <b>27</b> |

A list of all projects can be found on our webpage:

<http://grantsaccess.ethz.ch/en/researchprojects/eu-projects-eth-zurich/>



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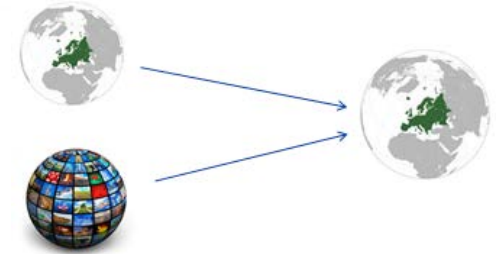


# Marie Skłodowska-Curie Actions (MSCA)

|  |               |  |  |
|--|---------------|--|--|
| Individual Fellowships                 | <b>IF</b>     | Support for experienced researchers (PostDoc) undertaking international and intersector mobility               |   |
| Research and Innovation Staff Exchange | <b>RISE</b>   | International and intersector cooperation through the exchange of staff  |   |
| Co-funding of programmes               | <b>COFUND</b> | Co-funding of regional, national and international programmes:<br>doctoral programmes<br>fellowship programmes |   |
| Innovative Training Networks           | <b>ITN</b>    | Doctoral and initial training  |  |

# MSCA European Fellowship

- 1 – 2 years Fellowship @ PostDoc level
- Bottom-up approach
- Salary, training and networking costs, overhead
- For researchers of any nationality
- Mobility Rule: Researcher must move or have moved from any country to a EU Member State or Associated Country where the beneficiary is located.
- Fellow submits the proposal with the supervisor of the European host
- Next Deadline September 14, 2016
- Success rate: 15%



# MSCA Global Fellowship

- 2 – 3 years Fellowship @ PostDoc level  
1-2 years in third country + mandatory return phase to EU MS/AC of 12 months
- Bottom-up approach
- Salary, training and networking costs, overhead
- For EU nationals and 'long- term residents'
- Mobility rule applies (to country where the outgoing phase takes place)
- Fellow submits the proposal with the supervisor of the European host
- Next Deadline September 14, 2016
- Success rate: 11%



# Research and Innovation Staff Exchange (RISE)

- Bottom-up approach
- A RISE partnership is composed by at least three independent participants established in three different countries, with at least two of these countries being EU Member States (MS) and/or Associated Countries (AC)
- Secondments from MS/AC to Third Country and vice versa (1-12 months)
- Maximum of 540 person-months of EU funded secondments per project
- Staff seconded under RISE: PhD students, PostDocs, Administrative-, Management- and technical staff
- Next Deadline: 28 April 2016
- 2'000 EUR for each staff member/month, 2'500 EUR for the Institution/month





# Contacts

- South African National Contact Points:

[http://ec.europa.eu/research/participants/portal/desktop/en/support/national\\_contact\\_points.html](http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html)

- ESASTAP 2020 (Cooperation and Support Action H2020)

Email alerts, Information Events Newsletter, Partner Search

[www.esastap.org.za/](http://www.esastap.org.za/)

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# National Institutes of Health (NIH)

- Funds all research institutions regardless of their nationality  
*«In general, foreign institutions and international organizations, including public or private non-profit or for-profit organizations, are eligible to apply for research project grants.»*
- Funds research in health topics
- Very complicated registration process
- Different rules and regulations
- Funding Opportunities and Notices can be found at  
<http://grants.nih.gov/grants/guide/index.html>

# Thank you!



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[www.grantsaccess.ethz.ch](http://www.grantsaccess.ethz.ch)

# Participation of ETH Zurich in FP7 and H2020

|       | Programme   | # Projects | Funding                      |
|-------|-------------|------------|------------------------------|
| FP7   | ERC         | 80         | 171'837'969 €                |
|       | MSCA        | 167        | 58'884'037 €                 |
|       | Cooperation | 315        | 128'214'802 €                |
| H2020 | ERC         | 26         | 28'945'211 € / 8'905'549 CHF |
|       | MSCA        | 34         | 3'099'211 € / 6'017'579 CHF  |
|       | Cooperation | 72         | 4'947'116 € / 35'589'180 CHF |