

European Union funding programmes



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Date: July 2018



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



Presentation Overview

- ✓ SA-EU science and technology cooperation
- ✓ Why EU supports R&I
- ✓ Horizon 2020
- ✓ Marie Skłodowska Curie Actions (MSCA)
- ✓ European Research Council (ERC)





Reflections on the SA-EU science and technology cooperation

- Bilateral cooperation with the individual European Member States
- How? Ensure understanding, create support instruments, and promote reciprocity of SA and Europe
- Increased awareness of EU competitive funding programmes and networks, and successful participation thereof
- Establishment of an effective SA National Contact Point (NCP) network
- Strong science and technology policy dialogue between SA-EU





Why EU supports R&I

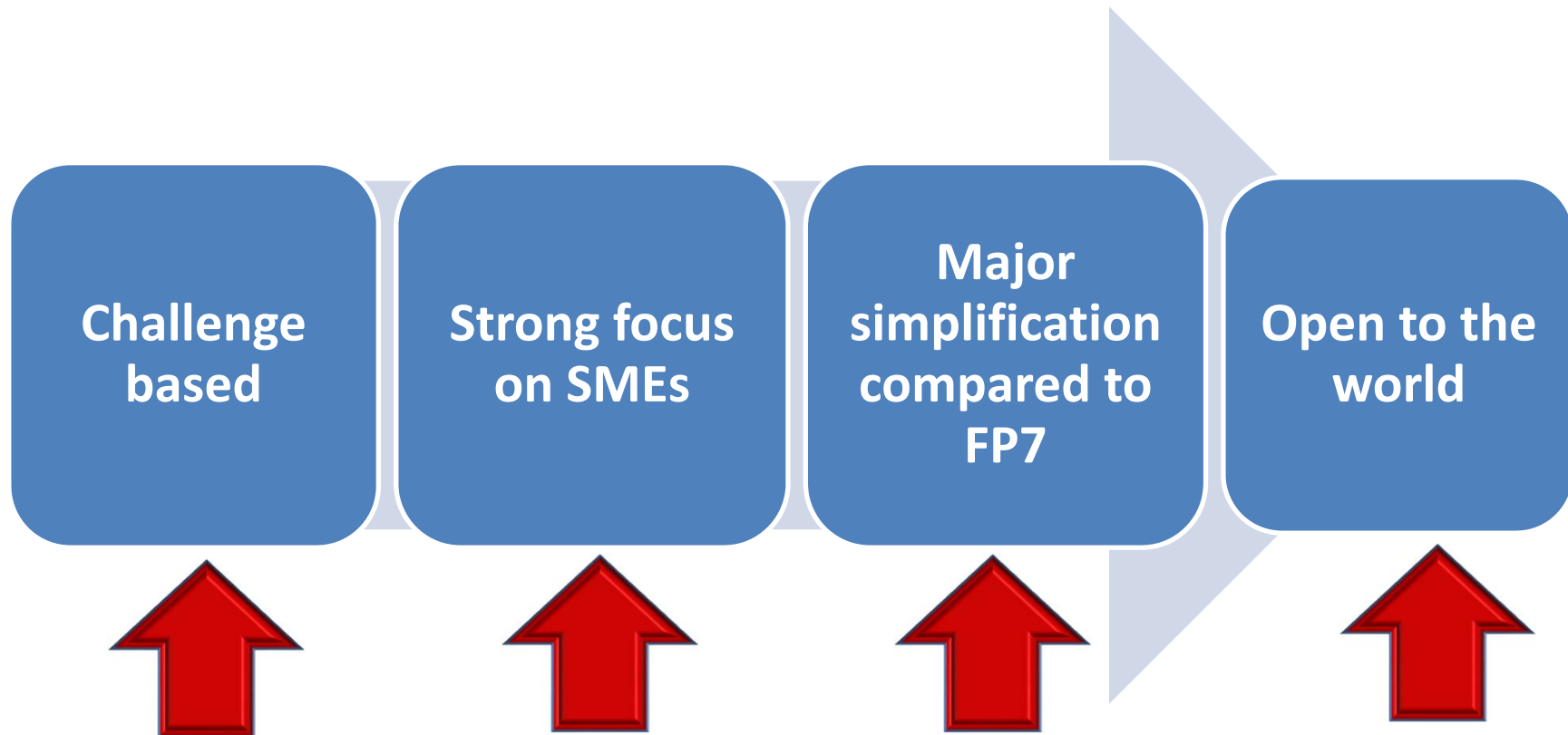
- **Investing in future growth and development**
- **Addressing people's concerns about their livelihoods, safety and environment**
- **Strengthening the EU's global position in research, innovation and technology**

**Supporting competitiveness & improving
quality of life**



What is Horizon 2020?

The European Union programme for research and innovation for 2014-2020 – € 79 billion





What Horizon 2020 is not:

- **It is not a development aid programme**
- **It is not a bilateral cooperation programme**

It is a programme focussed on European needs and global challenges, open to international cooperation.





How to participate in H2020

Calls for proposals

Minimum of 3 European partners from 3 different EU MS or AC

Work Programme run for a 2 year period

Funding for all calls



H2020 priorities

Excellent science

- European Research Council (ERC): Frontier research by the best individual teams
- Future and Emerging Technologies: Collaborative research to open new fields of innovation
- Marie Skłodowska-Curie actions (MSCA): Opportunities for training and career development:
- Research infrastructures(including e-infrastructure): Ensuring access to world-class facilities

Industrial leadership

- Leadership in enabling and industrial technologies (LEITs): ICT, nanotech, materials, biotech, manufacturing, space:
- Access to risk finance: Leveraging private finance and venture capital for research and innovation
- Innovation in SMEs: Fostering all forms of innovation in all types of SMEs

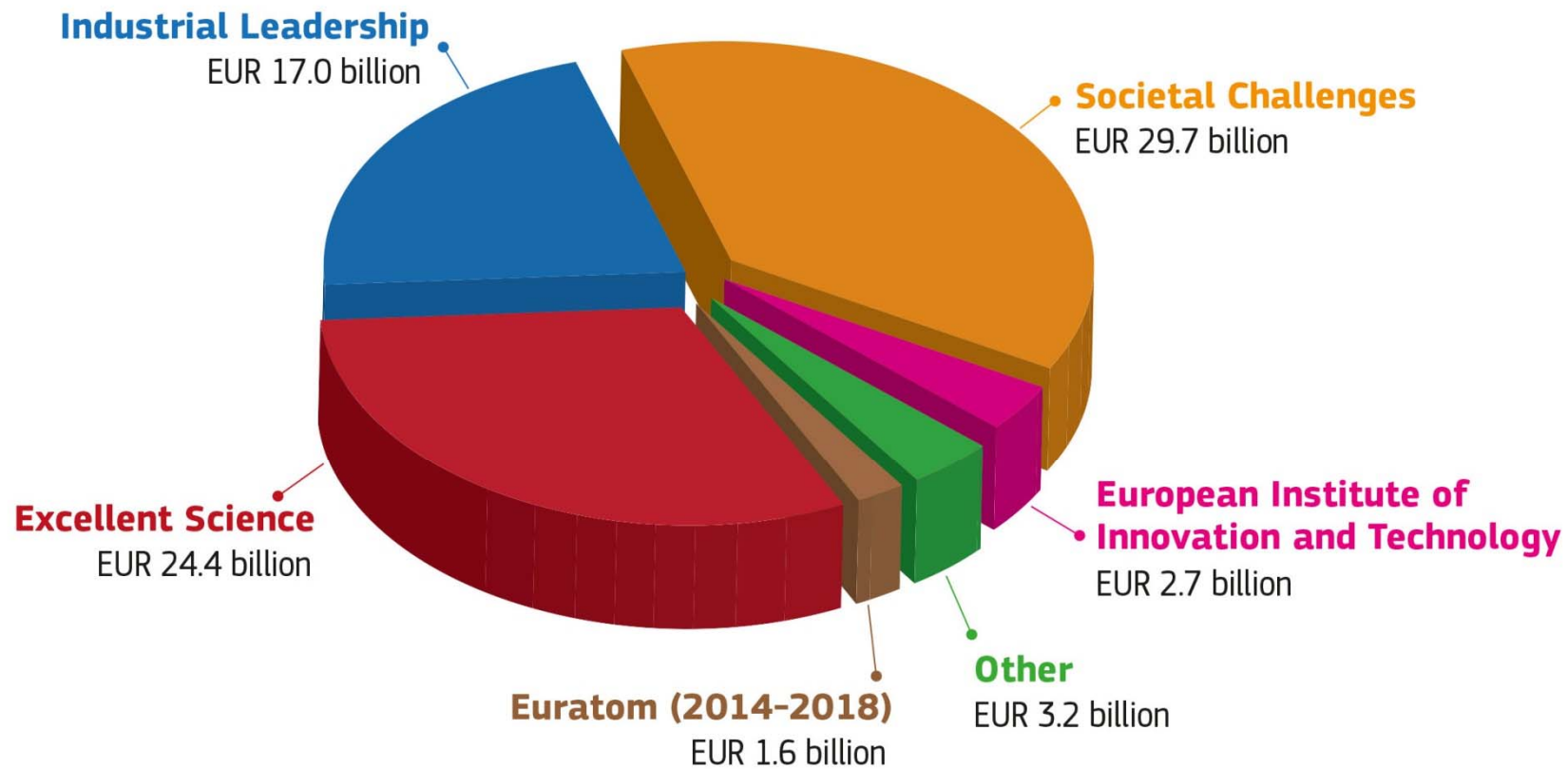
Societal challenges

- Inclusive and reflective societies
- Science with and for society
- Spreading excellence and widening participation



H2020 budget

HORIZON 2020 BUDGET (in current prices)





Research Areas

1. Space
2. Secure, clean and efficient energy
3. Smart, green and integrated transport
4. Secure societies
5. ICT
6. Leadership in enabling and industrial technologies / nanotechnology, materials and production technology
7. Food security, sustainable agriculture, marine and maritime research, and bio-economy
8. Euratom (for nuclear energy research, no funding for non-EU countries)
9. Research Infrastructure
10. Health, demographic change and well-being
11. Climate action, resource efficiency and raw materials
12. Social Sciences (Innovative, inclusive and reflective societies; and science in societies)



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[HOW TO PARTICIPATE](#)

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Other EU Programmes 2014-2020

[Research Fund for Coal & Steel](#)

[COSME](#)

[3rd Health Programme](#)

[Consumer Programme](#)

FP7 & CIP Programmes 2007-2013

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2

Results

Keyword Search:

[SEARCH](#)

If you don't find your topic, you can also use the [free text search](#).

Status

- Open
 Closed
 Forthcoming

Sort by

- Title
 Call Id
 Publication Date
 Deadline Date

Topic: [International cooperation in aeronautics with Canada:MG-1.9-2015](#)

Specific challenge: In order to leverage resources, mitigate risks and establish long term

Call title: [MOBILITY for GROWTH 2014-2015](#)

Status: Open

Call identifier: [H2020-MG-2015_SingleStage-A](#)

Deadline: 23-04-2015

Topic: [International partnership building and support to dialogues with high income countries:ICT-38-2015](#)

Specific Challenge: The challenge is to provide for discussions with third countries on areas of

Call title: [ICT 2015 - Information and Communications Technologies](#) Status: Open

Call identifier: [H2020-ICT-2015](#)

Deadline: 14-04-2015

In addition, [see all the open calls](#) of Marie Skłodowska-Curie actions (MSCA) and [European Research Council \(ERC\)](#) grants for individual researchers of any nationality and research teams. The MSCA grants include opportunities for companies and SMEs. **The MCSA and ERC grants are not restricted to specific topics.**

Quick finder for topics linked to H2020 cross-cutting priorities:

[Cross-cutting Key-Enabling Technologies \(KETs\)](#)
[ERA-NET](#)
[Gender](#)

[Innovation Procurement](#)
[International cooperation](#)
[SME Instrument](#)





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European Commission > Research & Innovation > Participant Portal > Funding

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT

LOGIN

REGISTER

H2020 Online Manual

Reference Documents (H2020 & FP7)

Beneficiary Register

Financial Capacity Self-Check

SME Participation



How to participate

H2020 ONLINE MANUAL

The first steps to prepare your proposal and apply for EU research funding. Learn how to find a suitable Call for proposals or project partners and how to submit your proposal.

The following guidance services facilitate your participation:

- **H2020 Online Manual:** step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project
- **Reference documents:** library of legal documents, guidance notes, and additional reference material for H2020 and FP7
- search for already registered organisations and their **PICs**
- **Financial viability self-check tool** allows you simulating the financial viability check of your organisation
- **SME participation:** dedicated H2020 guidance page for SME

FIND a call

FIND partners

CREATE your account

REGISTER your organisation

SUBMIT a proposal

1

2

3

4

5



Find your area

- ▶ Agriculture & Forestry
- ▶ Aquatic Resources
- ▶ Bio-based Industries
- ▶ Biotechnology
- ▶ Energy
- ▶ Environment & Climate Action
- ▶ Food & Healthy Diet
- ▶ Funding Researchers
- ▶ Health
- ▶ ICT Research & Innovation
- ▶ Innovation
- ▶ International Cooperation
- ▶ Key Enabling Technologies
- ▶ Partnerships with Industry and Member States
- ▶ Raw Materials
- ▶ Research Infrastructures
- ▶ Security



#H2020

Horizon 2020
@EU_H2020

#H2020 is a key tool to promote international cooperation on R&I
#InvestEUresearch
WP2018-20 provides many opportunities for collaboration between
#MissionInnovation Members
#OpentotheWorld Read more →

YOUR FEEDBACK



MARIE SKŁODOWSKA CURIE ACTIONS (MSCA)

FP7

H2020

ITN



Action 1 **ITN**
Early-stage
Researchers

Innovative Training Networks

Support for doctoral and early-stage training
**European Training Networks, European
Industrial Doctorates, European Joint Doctorates**

IEF

IOF

IIF

CIG



Action 2 **IF**
Experienced
Researchers

Individual Fellowships

Support for experienced researchers undertaking
international and inter-sector mobility: **European
Fellowships** and **Global Fellowships**, Dedicated
support for **career restart** and **reintegration**

IAPP

IRSES



Action 3 **RISE**
Exchange of
Staff

Research and Innovation Staff Exchange

International and inter-sector
cooperation through the exchange of
staff

COFUND



Action 4
COFUND

Co-funding of regional, national and international programme

**Doctoral and fellowship
programmes**





Research and Innovation Staff Exchange (RISE)

- ✓ New type of exchange of staff action to stimulate **transfer of knowledge** and sharing of ideas
- ✓ Flexible inter-sector and international exchanges of **highly skilled research and innovation staff**
- ✓ Based on a **common research and innovation project**
- ✓ **Secondments** only, no recruitment foreseen
- ✓ Exchanges between institutions within Europe cover only **inter-sector** secondments
- ✓ Exchanges with institutions from **outside Europe** can be both inter-sector and within the same sector
- ✓ No support for secondments between institutions located outside Europe



RISE – Main features

- ✓ Duration of projects: max. 4 years
- ✓ Minimum eligibility condition: participants in **3 different countries** (at least 2 MS/AC)
- ✓ Partnership agreement recommended
- ✓ Support to **secondments of staff members (1-12 months)**
- ✓ **No mobility rule required**
- ✓ **Eligibility condition** for staff members: **6 months at sending institution** prior to first secondment
- ✓ Max. **540 researcher-months** /consortium



European Research Council (ERC)

- Programme to host researchers in EU Member and Associated States
- For early-stage and advanced researchers in all scientific fields
- Completely bottom-up – no theme, application submitted by European host
- Grantee can spend some time (at least 50% in Europe) and keep affiliation with home institute
- Grantee can move within European institution with the grant
- Evaluations done by multidisciplinary panels except for specific fields
- Supported by the independent ERC Executive Agency
- SA ERC National Contact Point (NRF), is the nodal point for ERC

Types of grants:

- start up = 2-7 yrs after PHD (max of €1.5M for 5 yrs)
- consolidator grants = 7-12 years after PHD (max of €2.2M for 5 yrs)
- advanced = 10 yrs after PHD (max of €3M for 5 yrs)
- proof of concept = taking research close to market, for grant holders (maximum of 150 000)





28 EU Member States:

[Austria](#), [Belgium](#), [Bulgaria](#), [Croatia](#), [Cyprus](#), [Czech Republic](#),
[Denmark](#), [Estonia](#), [Finland](#), [France](#), [Germany](#), [Greece](#), [Hungary](#),
[Ireland](#), [Italy](#), [Latvia](#), [Lithuania](#), [Luxembourg](#), [Malta](#), [Netherlands](#),
[Poland](#), [Portugal](#), [Romania](#), [Slovakia](#), [Slovenia](#), [Spain](#), [Sweden](#),
[United Kingdom](#)

12 EU Associated States

Albania, Bosnia and Herzegovina, Faroe Islands, Iceland, Israel,
Moldova, Montenegro, Norway, The former Yugoslav Republic of
Macedonia, Serbia, Switzerland and Turkey

Take home message!

Important
Message



**Create and maintain the
networks!**



Dankie

Enkosi

Ha khensa

Re a leboga

Ro livhuwa

Siyabonga

Siyathokoza

Thank you



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Applications and more information on opportunities on:

www.esastap.org.za

<http://ec.europa.eu/programmes/horizon2020/>

<http://erc.europa.eu/>

www.eurekanetwork.org

Current calls accessible : **ec.europa.eu/research/participants/portal**

