



HORIZON 2020

The New EU
Framework Programme for Research and Innovation
2014-2020



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Building Bi-regional Partnerships for Global Challenges



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Why the EU supports Research & Innovation

- 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

How the EU support research & innovation: funding and enabling conditions

Funding: the Framework programmes (FP)

- **FP7: €55 billion for research and innovation**

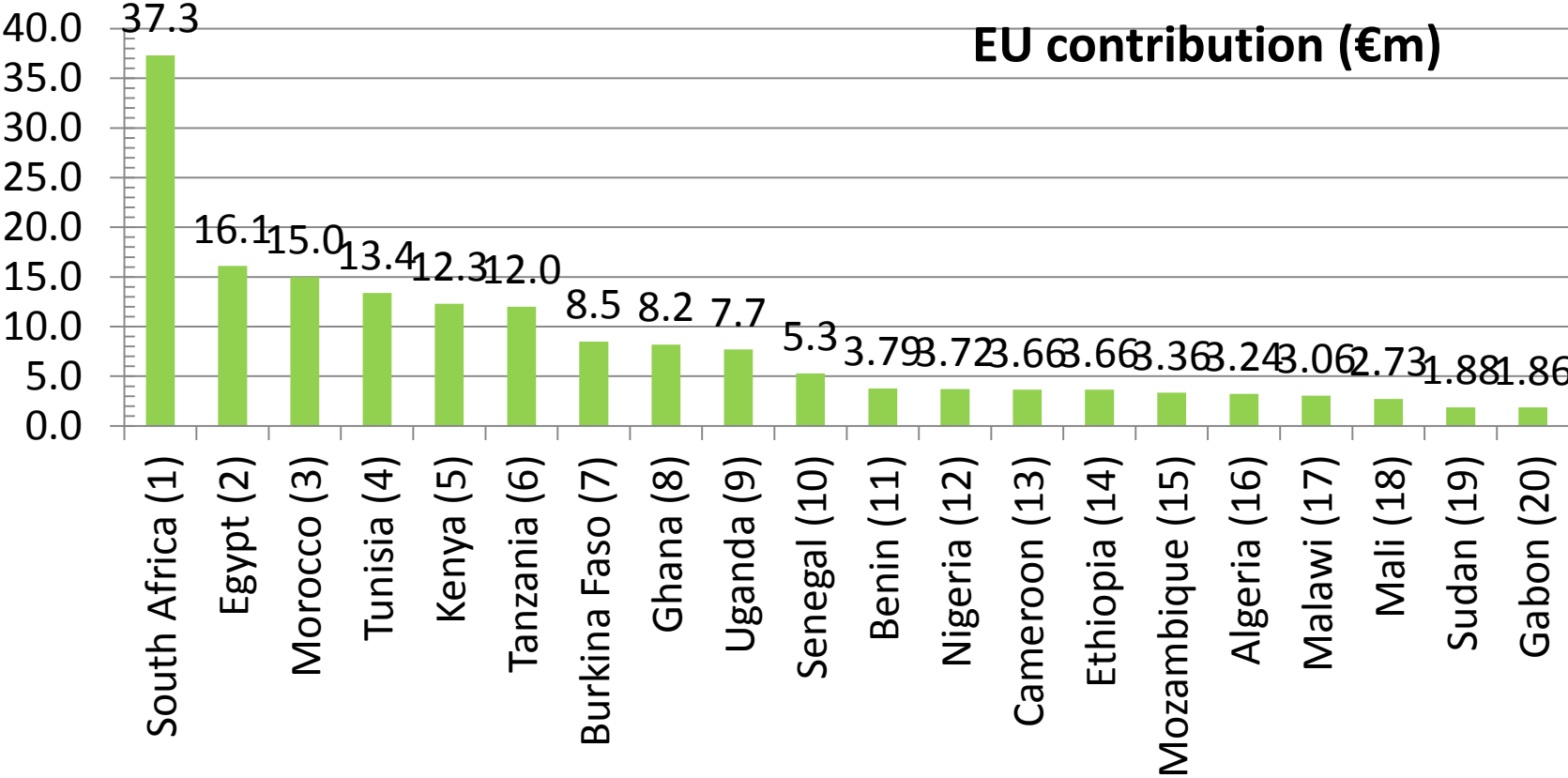
Enabling conditions

- **European Research Area (eg mobility), IPR...**
- **very open to international cooperation**

The Framework programmes & International Cooperation

- **Africa in FP7 (as of September 2013)**
 - **45 countries involved**
 - **1315 participations in 565 projects**
 - **total EU-funding received: €178 million**
 - Mainly (82%) in Cooperation programme (€145.7 million)

AFRICA in FP7 Leading participants



Horizon 2020

What is Horizon 2020 ?

- **European Union's €79 billion research and innovation funding programme (2014-2020)**
- **A core part of Europe 2020, Innovation Union & European Research Area:**
 - Responding to economic crisis to invest in future jobs & growth
 - Addressing people's concerns about their livelihoods, safety and environment
 - Strengthening the EU's global position in research, innovation and technology

What Horizon 2020 is not:

- A development aid programme
- A bilateral cooperation programme

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

What's new ?

- **A single programme** bringing together 3 separate programmes /initiatives*
- **Coupling research to innovation** – from research to retail, covering all forms of innovation
- **Focus on societal challenges** facing society, e.g. health, food, clean energy, transport...
- **Simplified access** for all companies, universities, institutes, in all EU countries and beyond Europe.
- **Two-year work programmes** for better visibility / preparation.

□The 7th Research Framework Programme (FP7), innovation aspects of the Competitiveness and Innovation Framework Programme (CIP), and EU contribution to the European Institute of Innovation and Technology (EIT)

Three priorities



Priority 1.

Excellent science

Why:

- World class science is the foundation of tomorrow's technologies, jobs and wellbeing
- Need to develop, attract and retain research talent
- Researchers need access to the best infrastructures

Proposed funding

(all figures in billion euro, over the period 2014-2020)*

<i>European Research Council (ERC)</i> Frontier research by the best individual teams	13.1
<i>Future and Emerging Technologies</i> Collaborative research to open new fields of innovation	2.7
<i>Marie Skłodowska-Curie actions (MSCA)</i> Opportunities for training and career development	6.2
<i>Research infrastructures (including e-infrastructure)</i> Ensuring access to world-class facilities	2.5

□ All funding figures in this presentation are subject to the pending Multiannual Financial Framework Regulation by the EP and the Council

Priority 2.

Industrial leadership

Why:

- Strategic investments in key technologies (e.g. advanced manufacturing, micro-electronics) underpin innovation across existing and emerging sectors
- Europe needs to attract more private investment in research and innovation
- Europe needs more innovative small and medium-sized enterprises (SMEs) to create growth and jobs

Proposed funding (€ billion, 2014-2020)

<i>Leadership in enabling and industrial technologies (LEITs)</i> (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)	13.6
<i>Access to risk finance</i> Leveraging private finance and venture capital for research and innovation	2.8
<i>Innovation in SMEs</i> Fostering all forms of innovation in all types of SMEs	6.2 + complemented by expected 20% of budget of societal challenges + LEITs and <i>'Access to risk finance'</i> with strong SME focus

Priority 3.

Societal challenges

Why:

- Concerns of citizens and society/EU policy objectives (health, food, climate, environment, energy, transport, etc.) cannot be achieved without innovation
- Breakthrough solutions come from multi-disciplinary collaborations, including social sciences & humanities
- Promising solutions need to be tested, demonstrated and scaled up

Proposed funding (€ billion, 2014-2020)

Health, demographic change and wellbeing	7.47
Food security, sustainable agriculture, marine and maritime research & the Bioeconomy	3.85
Secure, clean and efficient energy *	5.93
Smart, green and integrated transport	6.33
Climate action, resource efficiency and raw materials	3.08
Inclusive and reflective societies	1.30
Secure societies	1.69
<i>Science with and for society</i>	<i>0.46</i>
<i>Spreading excellence and widening participation</i>	<i>0.82</i>

□ Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

EIT and JRC in Horizon 2020

	<i>Proposed funding (€ billion, 2014-2020)</i>
<i>European Institute Technology (EIT)</i> Combining research, innovation & training in knowledge and Innovation Communities	2.7
<i>Joint Research Centre (JRC)*</i> Providing a robust, evidence base for EU policies	1.9

□ Additional funding for the JRC for Euratom Treaty activities

Simplification: summary

- **Single set of** simpler and more coherent participation **rules**
- Better **balance between trust and control**
- Moving from several **funding rates** for different beneficiaries and activities to just two
- Replacing the four methods to calculate overhead or “indirect costs” with a **single flat rate**
- Major simplification under the **forthcoming financial regulation**
- **Successful applicants to get working more quickly:** time-to-grant of 8 months; exceptions for the ERC and in duly justified cases

Strong participation by SMEs

- **Integrated approach** - around 20% of the total budget for societal challenges and LEITs to go to SMEs
- **Simplification** of particular benefit to SMEs (e.g. single entry point)
- A **new SME instrument** will be used across all societal challenges as well as for the LEITs
- A dedicated activity for research-intensive SMEs in **'Innovation in SMEs'**
- **'Access to risk finance'** will have a strong SME focus (debt and equity facility)

International cooperation

- **International cooperation is crucial** to address many Horizon 2020 objectives
- **Principle of general openness:** Horizon 2020 will continue to be the most open funding programme in the world
- Targeted actions to be implemented taking a **strategic approach to international cooperation**

Do not view EU grants solely as a source of funding, but as a means to build deep & long-term cooperation.

Next steps

- | | |
|--|--------------------|
| • Horizon 2020 information events | Tentative schedule |
| • Adoption of work programme | October 2013 |
| • Publication of first calls for proposals | 11 December 2013 |
| • First deadlines for submission | from March 2014 |

Preparing for the first calls

- Obtain and study the work programme carefully
- Get involved if you see an opportunity that fits your strategy
- Find partners rapidly, but chose them carefully
- Create/develop your profile
- Participation in a FP project involves some reporting duties – these need to be properly planned & resourced.
- Use support structures:
ie National Contact Points (NCPs) if available; if not, ask for some...

Preparing for the first calls

- **Obtain and analyse calls texts asap**
- **Develop and maintain your international contacts**
- **Be proactive !**

Sources of information

- **Horizon 2020 web site:** <http://ec.europa.eu/research/horizon2020>
- **Participant portal:** <http://ec.europa.eu/research/participants/portal>
- **Google, LinkedIn...** & specialised databases (eg: Healthcompetence.eu)

- **Horizon 2020 information events in Europe:**
http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-events
- **Horizon 2020 information events in Africa:**
 - South Africa – 7 October 2013
 - Ghana – 4 November 2013
 - Burkina Faso - 6 November 2013
 - Ethiopia – 5 December 2013
 - Nigeria – 12 December 2013
 - ...

Thank you
for your attention



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CAAST-Net Plus

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Simplification: Rules for Participation

- A single set of rules:
 - Adapted for the whole research and innovation cycle
 - Covering all research programmes and funding bodies
 - Aligned to the Financial Regulation, coherent with other new EU Programmes
- One project – one funding rate
 - Maximum of 100% of the total eligible costs (except for innovation actions, where a 70% maximum will apply for profit making entities)
 - Indirect eligible costs: a flat rate of 25% of direct eligible costs
- Simple evaluation criteria
 - Excellence – Impact – Implementation (Excellence only, for the ERC)
- New forms of funding aimed at innovation
 - pre-commercial procurement, inducement prizes, dedicated loan and equity instruments
- International participation
 - facilitated but better protecting EU interests

Simplification: Rules for Participation

Beyond the Rules:

- Simpler rules for grants
- Broader acceptance of participants accounting practices for direct costs
- No time-sheets for personnel working full time on a project
- Fewer, better targeted controls and audits
- Lowest possible level of requirements for submission of audit certificates without undermining sound financial management
- Audit strategy focused on risk and fraud prevention
- Improved rules on intellectual property
- A new emphasis on open access to research publications

further simplified provisions in the Grant Agreement and implementing procedures to facilitate access to Horizon 2020 (e.g. common IT platform).