



HORIZON 2020

LATEST DEVELOPMENTS



Dr Neville Reeve
Horizon 2020 policy
DG Research and Innovation



European
Commission

Horizon 2020

The European Union programme for research and innovation for 2014-2020

- Key instrument **to stimulate and leverage R&I investment for securing Europe's future**
- **Integration of research and innovation** aimed at delivering more breakthroughs and discoveries
- **Focus on societal challenges** facing EU society,
- **Simplified access**
- **New instruments** that address broader range of stakeholders (e.g. innovation activities, SME instrument, FTI)



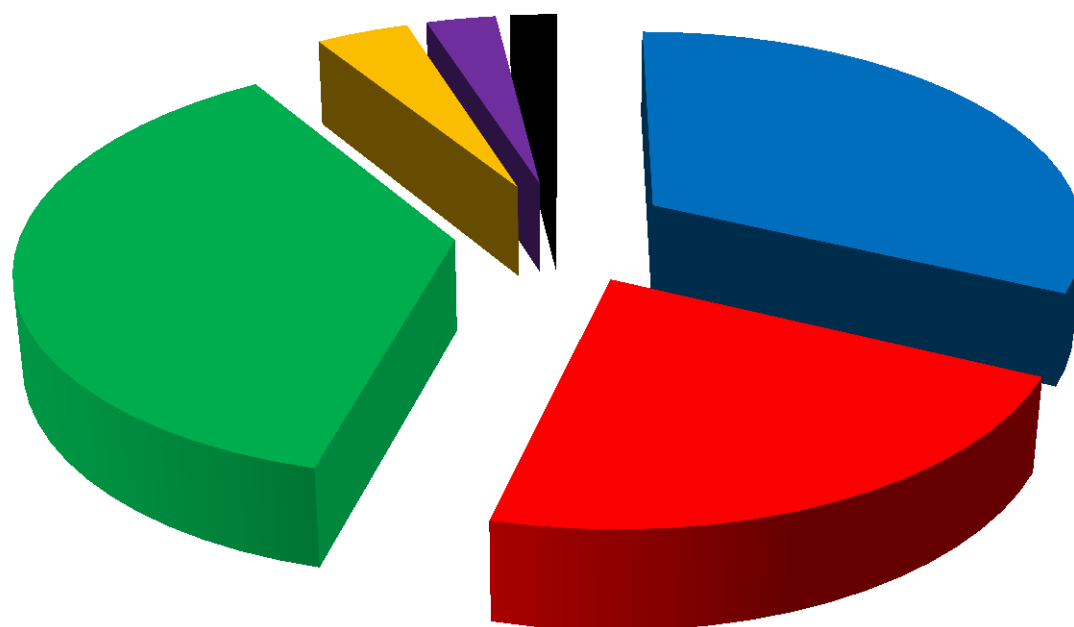
Research and
Innovation



European
Commission

€ 77 billion from 2014-2020

Horizon 2020 budget* (in current prizes)



■ Excellent science EUR 24.2 billion

■ Industrial leadership EUR 16.5 billion

■ Societal Challenges EUR 28.6 billion

■ Other EUR 3.1 billion

■ EIT EUR 2.4 billion

■ Euratom (2014-2018) EUR 1.6 billion

* Contribution to European Fund for Strategic Investments (EFSI)



European
Commission

Horizon 2020 implementation

- **Two-year work programme** – more planning security for applicants
- **Challenge-based** approach giving applicants much freedom to come up with innovative solutions
- **User-friendly IT systems and Participant Portal** (single entry point)
- **Simplified business processes** (time-to-grant)



European
Commission

Horizon 2020 implementation

- Content of the Work Programme based solely on the legal text – The H2020 Regulation, and the Specific Programme
- Topics in the Work Programme contain sections **on Specific Challenge, Scope and Expected Impact**
- The Work Programme is adopted by the Commission and provides the information against which proposals are submitted



European
Commission

Horizon 2020 implementation Statistics – Snapshot (July 2015)

- **Nearly 38,000 (full) eligible proposals** requesting a total of € 70.8 billion of EU contribution
- of which **over 4,800 retained** for funding
- **Over 11,000 evaluators** contracted
- **More than 4,300 grant agreements** signed with **€ 7.4 billion EU contribution**
- **8 months time-to-grant met in 93% of cases**, excluding ERC grants, which are not bound by this target



European
Commission

Success rates – first analysis

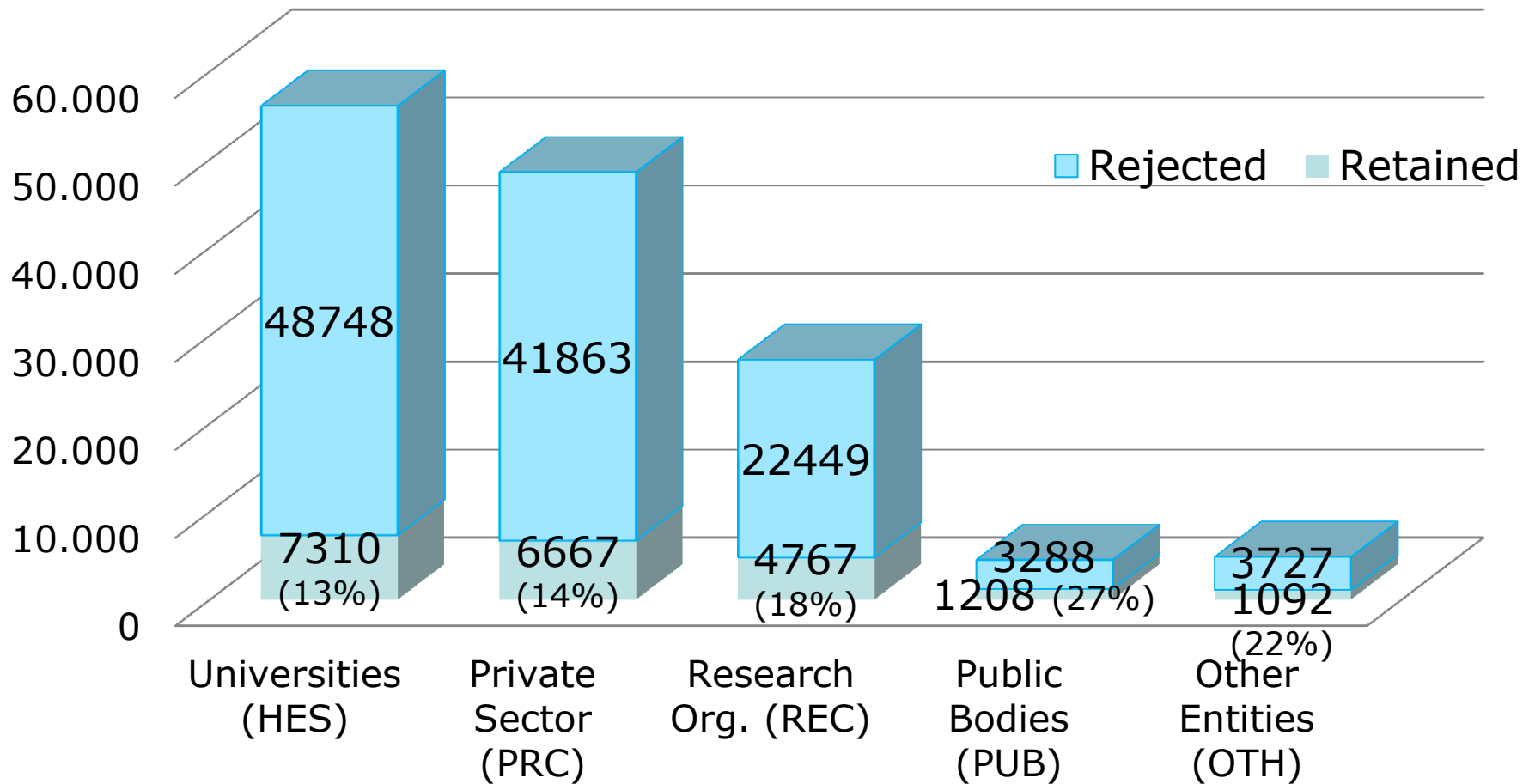
- Overall **success rate** for eligible proposals: **13-14 %** (20% in FP7 overall)
- For all Member States, success rates decrease compared to FP7
- Indicates **great attractiveness**
- **Monitoring** and **first measures**





European
Commission

Nb. of applicants per type of organisation

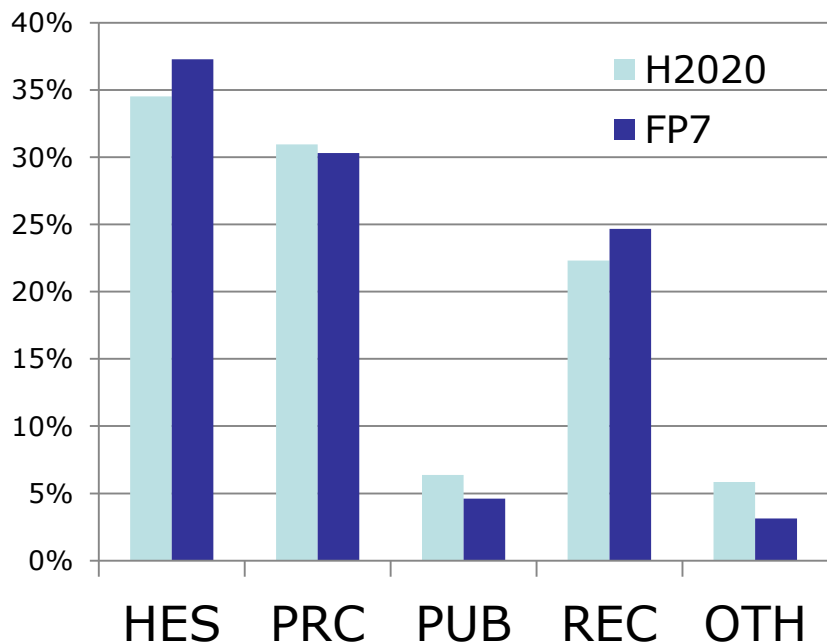




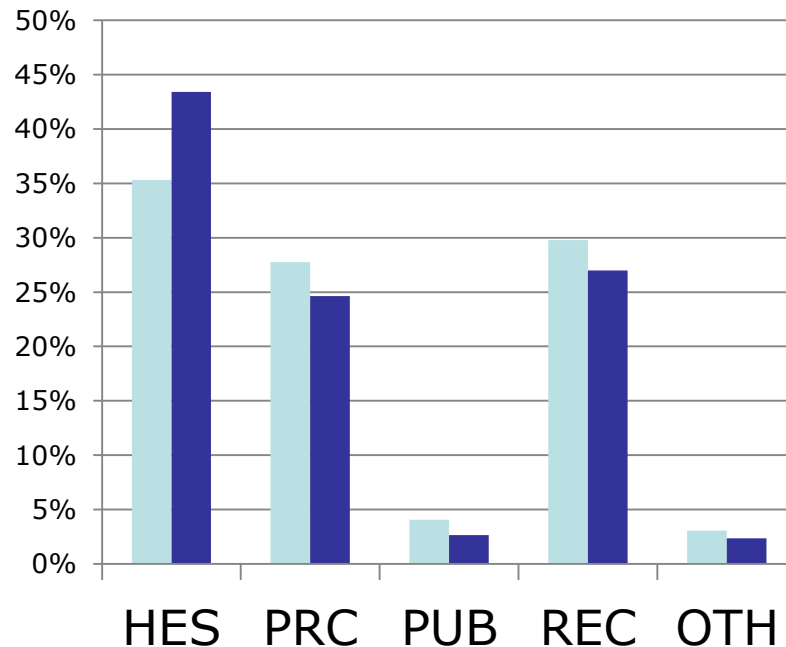
European
Commission

Types of organisations in grant agreements

In share of participations



In share of EU financial contribution





European
Commission

Participants in Grant Agreements

- **Around 38%** of successful applicants are **newcomers** (i.e. not participated in FP7)
- **Universities** remain in first place
- Increase of **industry and SME** participation
- **20% budget target for SMEs achieved** - 5% due to SME-Instrument
- Increase in share of EU financial contribution of **research organisations**



European
Commission

Draft Work Programme 2016-2017 (1)

- To be adopted and first calls: **13 October**
(ERC: 28 July)
- **Nearly EUR 16 billion investment**
- **Challenge-based**
 - Non-prescriptive language of topics and calls
 - Support across the innovation cycle
 - Emphasis on exploitation and impacts
- New part with cross-cutting activities (**focus areas**)
- Incorporating **lessons learned** from WP 2014-15



European
Commission

Draft Work Programme 2016-2017 (2)

- **Based on strategic programming approach** (stakeholder consultation, consultation Member States, foresight)
- Contribution to the **Jobs, Growth and Investment Package**, e.g. *European Fund-of-funds; synergies with European Fund of Strategic Investments (EFSI)*



European
Commission

Strategic Programming for WP

- Sequence the specific objectives of the Horizon 2020 parts into two-year work programmes;
- Provide for a coherent implementation of the multi-annual approach and strategic orientations;
- Improve relevance and impact by ensuring EU policy priorities are properly reflected





European
Commission

Draft Work Programme 2016-2017 (3)

- Support to other European policy areas, notably
 - ✓ **Energy Union:** *focus on energy efficiency, competitive low-carbon energy and smart and sustainable cities*
 - ✓ **Digital Single Market:** *encouraging uptake of advanced ICT (big data, cloud computing) across thematic priorities and emphasis on Internet of Things, automated road transport, and digital security*
 - ✓ **Strengthening the industrial base:** *focus on 'Industry 2020 in the Circular Economy' and R&I support for growth sectors, including social innovation (prize)*



European
Commission

Draft Work Programme 2016-2017 (4)

- More topics **for international cooperation activities**
- Stepped up efforts to embed **social sciences and humanities** and responsible research and innovation.
- Synergies with European Cohesion Policy ("**seal of excellence**")
- **SME instrument budget of € 739 M;**
- Continuation of **FTI pilot** with budget of €100 M in 2016; assessment in 2017



European
Commission

Draft Work Programme 2016-2017 (5)

Modifications due to lessons learned:

- **'Expected Impact'** tightened and better tailored to the type of action and programme part
- **Evaluation** criteria clarified
- In **two-stage calls** introduction of a dynamic threshold to ensure 3:1 success rate in stage two
- Higher funding rates for **pre-commercial public procurement (PCP)** and **procurement of innovative solutions (PPI)**



European
Commission

<https://ec.europa.eu/programmes/horizon2020/en/draft-work-programmes-2016-17>



European
Commission

Participant portal

- Powerful search engine supported by flags and metadata
- See website
- <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



European
Commission

Next steps - Simplification

- **Further simplification** in the context of the Commission agenda for Better Regulation
- **Building on H2020 simplifications** (single set of participation rules; simplified funding rates; time-to-grant of 8 months...;)
- **Feedback exercises in 2nd semester 2015:**
 - Online survey of applicants to 2014-15 calls taking stock of their experiences with rules, processes and systems etc.
 - Workshops with national research and innovation funders for identifying and exchanging best practice



European
Commission

Next steps - evaluation

Addressing all aspects of programme implementation including instruments, results and impacts:

- **Ex post evaluation of FP7 - early 2016**
- **Interim evaluation of Horizon 2020
- end of 2017**



Ideas for next programming period



European
Commission

For further information

- **Participant Portal**

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

- **Helpdesk**

<http://ec.europa.eu/research/enquiries>

- **Expert evaluators needed!**

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

- **Learn more about Horizon 2020**

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

Thank you for your attention!