



HORIZON 2020

NTNU/UiB Conference, 3 October 2016



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Horizon 2020

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

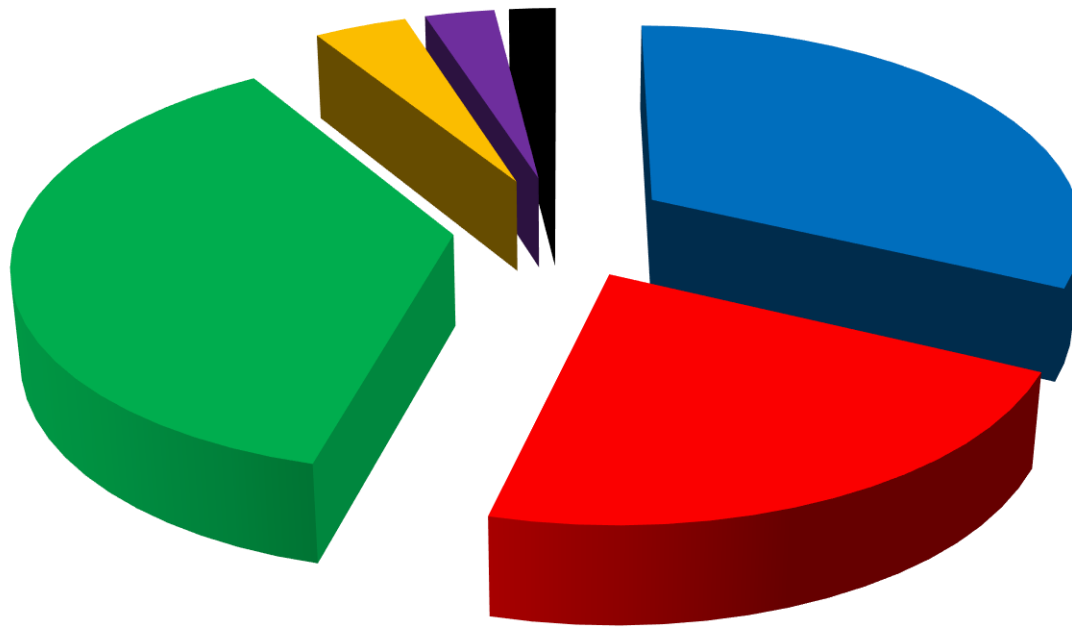
- Key instrument **to stimulate and leverage R&I investment for securing Europe's future**
- **Integration of research and innovation** aimed at delivering more breakthroughs and discoveries
- **Focus on societal challenges** facing EU society,
- **Simplified access**
- **New instruments** that address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



€ 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)**

Horizon 2020 implementation

- **Two-year work programme** – more planning security for applicants
- **Around €15 billion** investment in calls
- **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)

KEY FINDINGS

INVESTMENT



FUNDING
4.704 grants



EXCELLENT SCIENCE



€1.7 billion
funding 1 066 ERC grantees

€864 million
funding 1 719 researchers under
Marie Skłodowska-Curie actions

OPEN TO THE WORLD



22% of budget
in international cooperation topics



12%
in FP7

FUNDING



universities
and research
organisations

57%

€5.7 billion



private
sector

31%

€2.2 billion



public bodies
and other

12%

€500 million

SME SUPPORT

€1 billion to SMEs
20% budget target exceeded



TIME TO GRANT



10.4 months
in FP7

7.6 months
in Horizon 2020



PARTICIPANTS

TOTAL
8.600



of which
3.700 newcomers
1.400 newcomer SMEs

2016-17: 2nd Work Programme

- **EUR 16 billion investment:** 63 calls – 600 topics
- Contribution to the **Jobs, Growth and Investment agenda** and support to other Commission priorities, notably
 - ✓ Energy Union;
 - ✓ Digital Single Market;
 - ✓ Strengthening the industrial base.
- Continuing of challenge-based approach and new part with cross-cutting activities (**focus areas**)
- Incorporating **lessons learned** from WP 2014-15
 - Including more two-stage calls in 2017



- ▶ Automated transport **€114 MILLION**
- ▶ Internet of Things **€139 MILLION**
- ▶ Industry 2020 in
the Circular Economy **€670 MILLION**

Flexible response to new challenges

- **Ebola:** After declaration of global emergency in August 2014, **quick mobilisation of €24.4 million from Horizon 2020** for urgent research projects complemented by **€215 million** from the Commission and the European pharmaceutical industry **through the Innovative Medicines Initiative (IMI)**.
- **Zika virus:** Horizon 2020 is about to mobilise **€10 million** for urgent research in early 2016.



Work Programme 2018-2020 Strategic Programming

- **Strategic Programming** sets priorities for the last three years of Horizon 2020 on the basis of
 - the Horizon 2020 legal acts,
 - the outcome of the interim evaluation of Horizon 2020 (and the MFF mid-term review)
 - ***Commission has proposed an additional €400m (MFF mid-term review)***
 - Consultations and
 - the Commission's priorities.
- **Work Programme:**
 - 'Full' contents for 2018-2019 and only 'minimum' contents for 2020.
 - Work Programme 2020 part bridging to the next FP

Horizon 2020 – Interim Evaluation Content

- Political context - Legal Requirements (art 32 of the Regulation setting up Horizon 2020 and art. 30 of the Rules for participation)
- Better Regulation guidelines – raising the bar:
 - **Effectiveness** - do the **effects** correspond to the **objectives**?
 - **Efficiency** - were the **impacts (benefits)** achieved at a **reasonable cost**?
 - **Relevance** - do the **objectives** correspond to the **needs**?
 - **Coherence** - interventions do **not contradict** others with similar objectives
 - **EU-added value** - **additional** value from EU activities, compared to what could be achieved at other levels

Horizon 2020 – Interim Evaluation

Provisional timeline

- Stakeholder Consultation (Oct-Dec 2016)
- Staff Working Document
 - **Evaluation results based on legal base requirements and 5 mandatory evaluation criteria (Better Regulation Agenda)**
- High Level Group recommendations (June 2017)
- Commission Communication (Q4-2017)
 - **Overall conclusions on the evaluation results**
 - **State of implementation of the FP7 ex-post HLEG recommendations**
 - **Response to the Horizon 2020 HLG recommendations**
 - **Messages on art. 185 and art. 187 initiatives.**

Looking ahead

- Foresight
- Economic case
- Impact assessment
- Next MFF (by end 2017)
- Proposal for next Framework programme, during 2018

For further information

- **Learn more about Horizon 2020**

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

- **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>

Thank you for your attention!