



HORIZON 2020

The next steps

Octavi.quintana-trias@ec.europa.eu

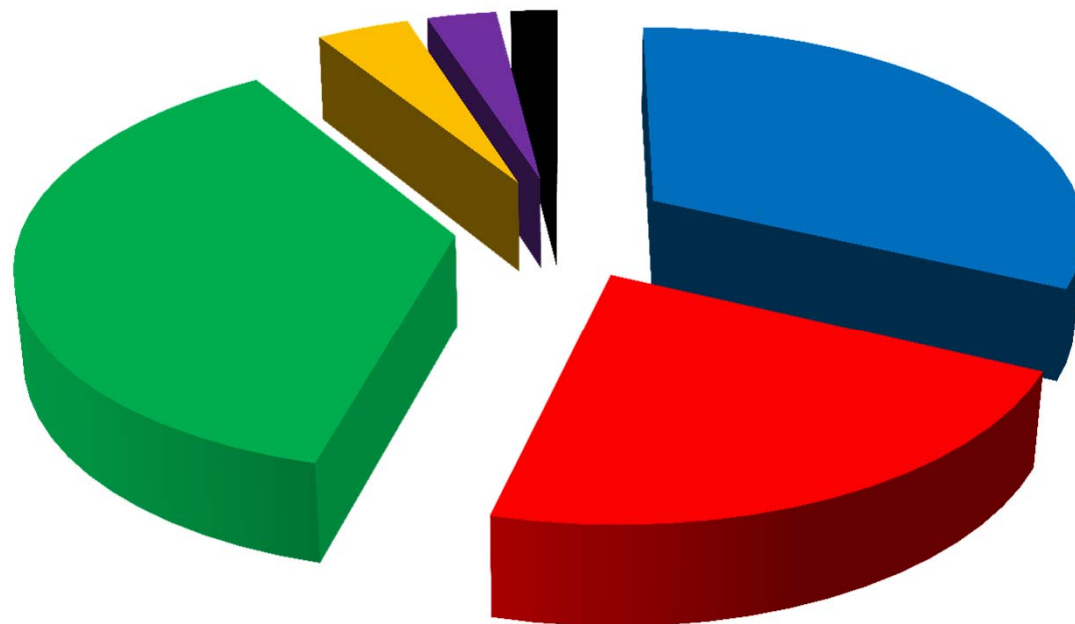


This presentation does not represent necessarily the position of the European Commission or engage it in any manner. Please refer to official documents.

Research and
Innovation

€ 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

2014-2015

PARTICIPANTS

Total
13 748

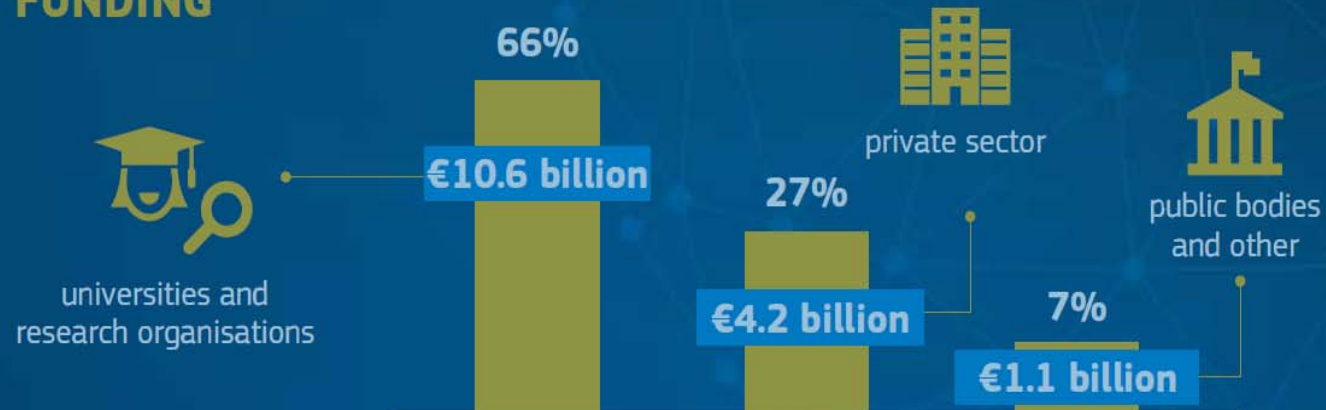


OPEN TO THE WORLD



22% of budget
allocated to international
cooperation topics

FUNDING



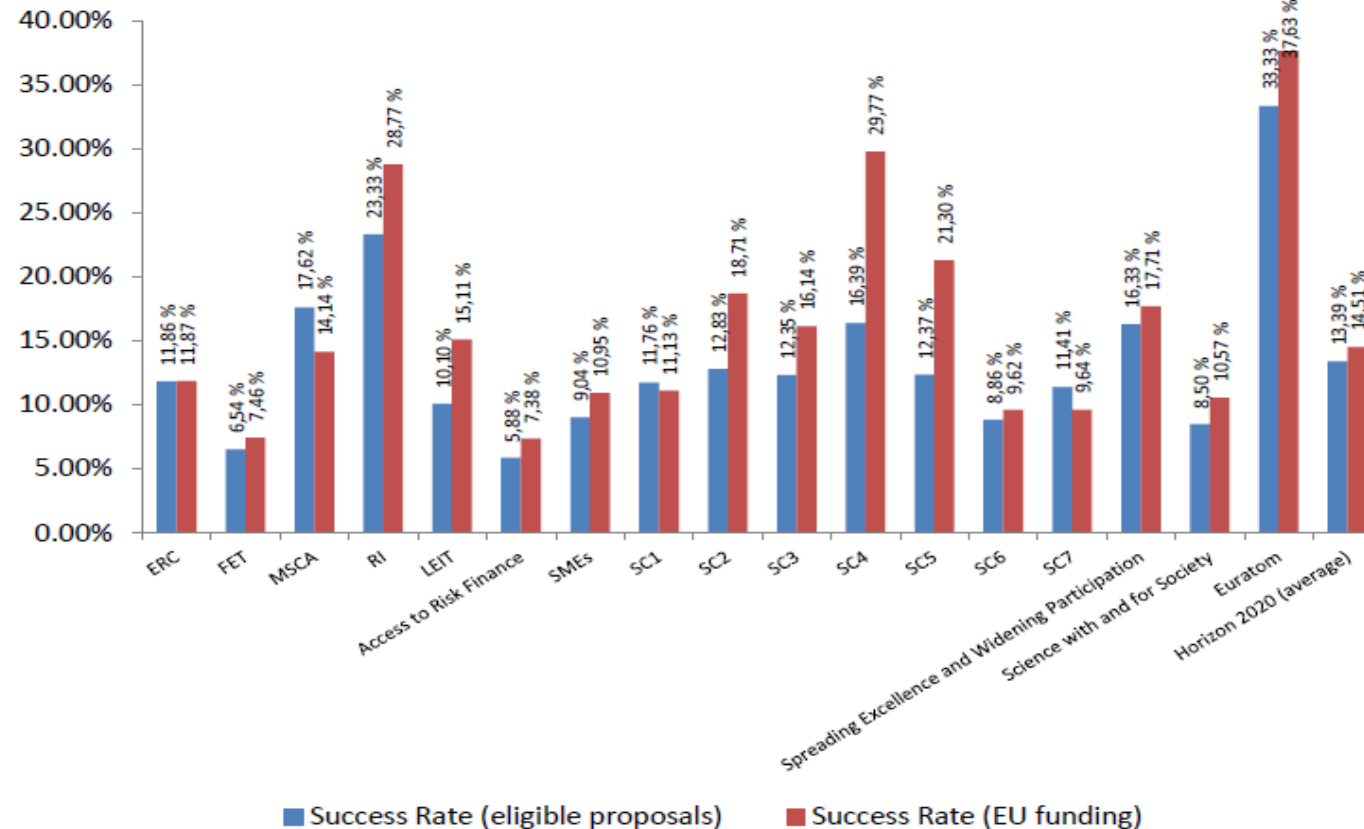


European
Commission

OVERSUBSCRIPTION

Average success rates are between 13% and 14% (19% in FP7).

Chart 2: Conventional Success Rates per specific programme's part





Work Programme 2018-2020

- **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** to be adopted in Oct/Nov 2017:
 - 'Full' contents for 2018-2019 and only 'minimum' contents for 2020.
 - Work Programme 2020 part bridging to the next FP

Work Programme 2018-2020 Strategic Programming

- Around **€ 30 billion** of EU funding
- Aligned to EU's priorities and policy goals of open innovation, open science and open to the world (**30s**)
- Integrating five mutually reinforcing **strategic orientations**:

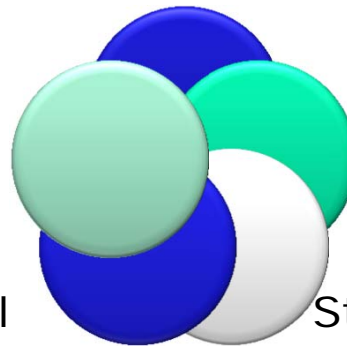
Increased investment in
sustainable development and
climate related R&I

Market creating
innovation

Integrating digitisation in
all enabling technologies
and societal challenges

Societal
Resilience

Strengthening international
R&I cooperation





Work Programme 2018-2020 Implementation Objectives

- Big **mission-oriented high impact** calls and topics
- **Simpler**, lighter and shorter Work Programme document, notably through clearer language and enhanced readability
- **Reduce over-subscription**, notably through
 - Better matching supply to demand (number of topics)
 - Broad and well defined topics with budgets to match
 - Use of two-stage calls where appropriate

Horizon 2020 – Interim Evaluation Content

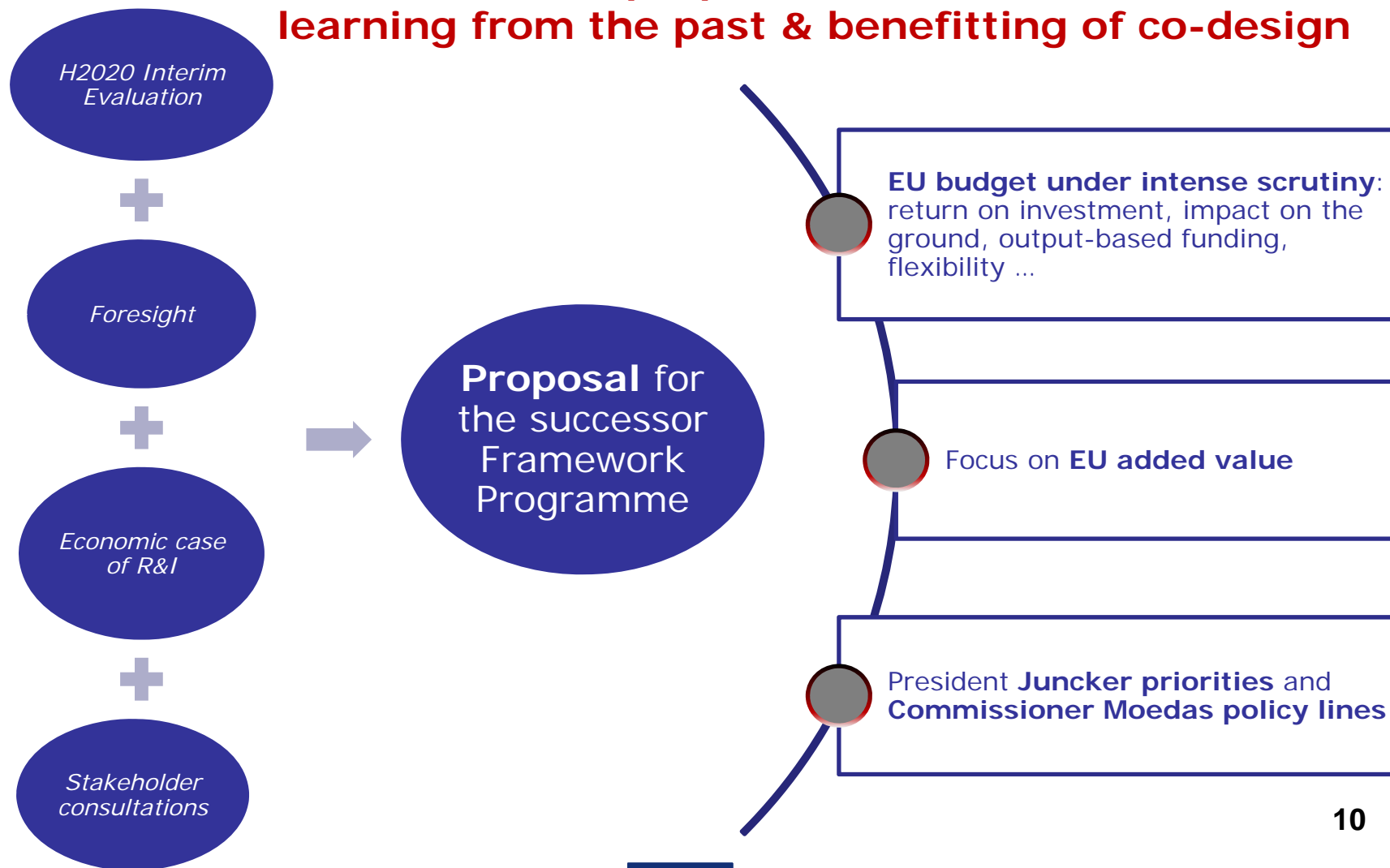
- Political context - Legal Requirements (art 32 of the Regulation setting up Horizon 2020 and art. 30 of the Rules for participation)
- Better Regulation guidelines – raising the bar:
 - **Effectiveness** - do the **effects** correspond to the **objectives**?
 - **Efficiency** - were the **impacts (benefits)** 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.**
- Horizon 2020 Work Programme 2018-2020 integrating main findings from Interim Evaluation (Q4 -2017)

Towards the proposal for the successor FP: learning from the past & benefitting of co-design



Foresight: R&I as part of a better future

➤ Content

➤ Exploring framework (boundary) conditions:

- Political imperatives: vision
- Rising societal challenges and concerns: future scenarios
- Changing R&I policies and practices

=> An ambitious and realistic vision for the EU enabled by Science and Innovation

➤ Highlighting transition pathways and game changers:

- Key future innovation paths
- Potential game changers

⇒ How could the EU's R&I policy best enable it to achieve the vision

➤ Key tools:

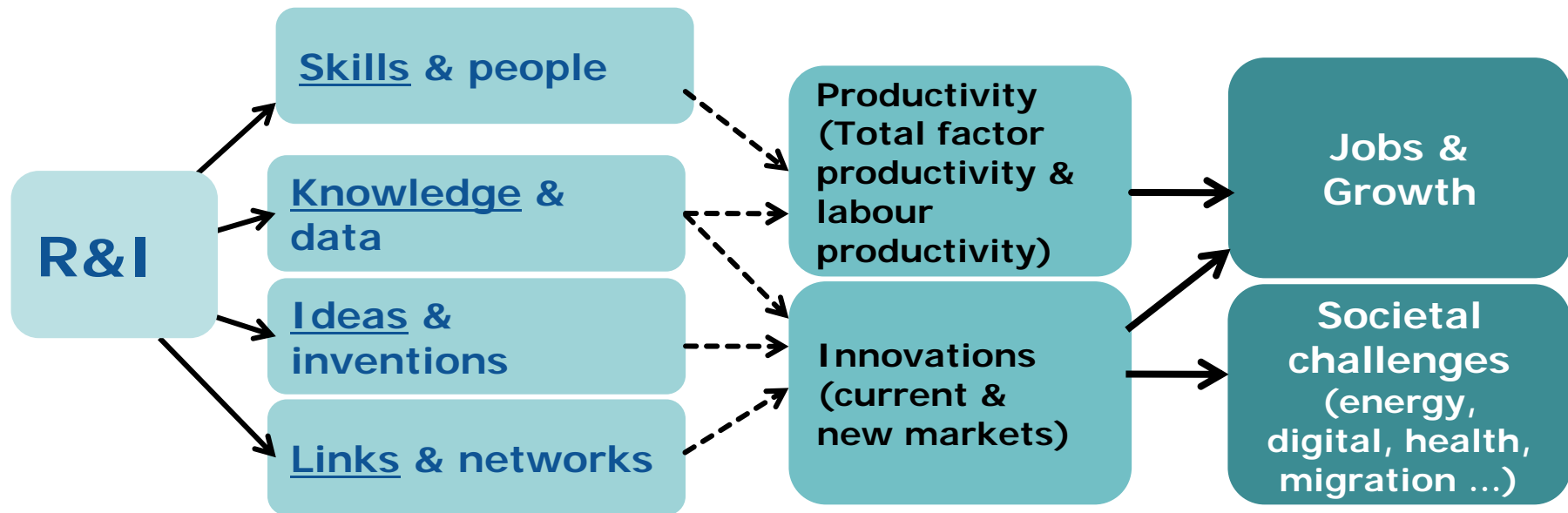
➤ BOHEMIA:

- December 2016: scenarios (and vision)
- April 2017: key paths and game changes
- October 2017: policy recommendations

➤ The Network of Foresight Correspondents: coordination of foresight across the services contributing to a coherent vision.

Research & Innovation: Impact on the economy

R&I policies: funding & framework conditions



Micro-/macro-economic & structural policies





Co-design

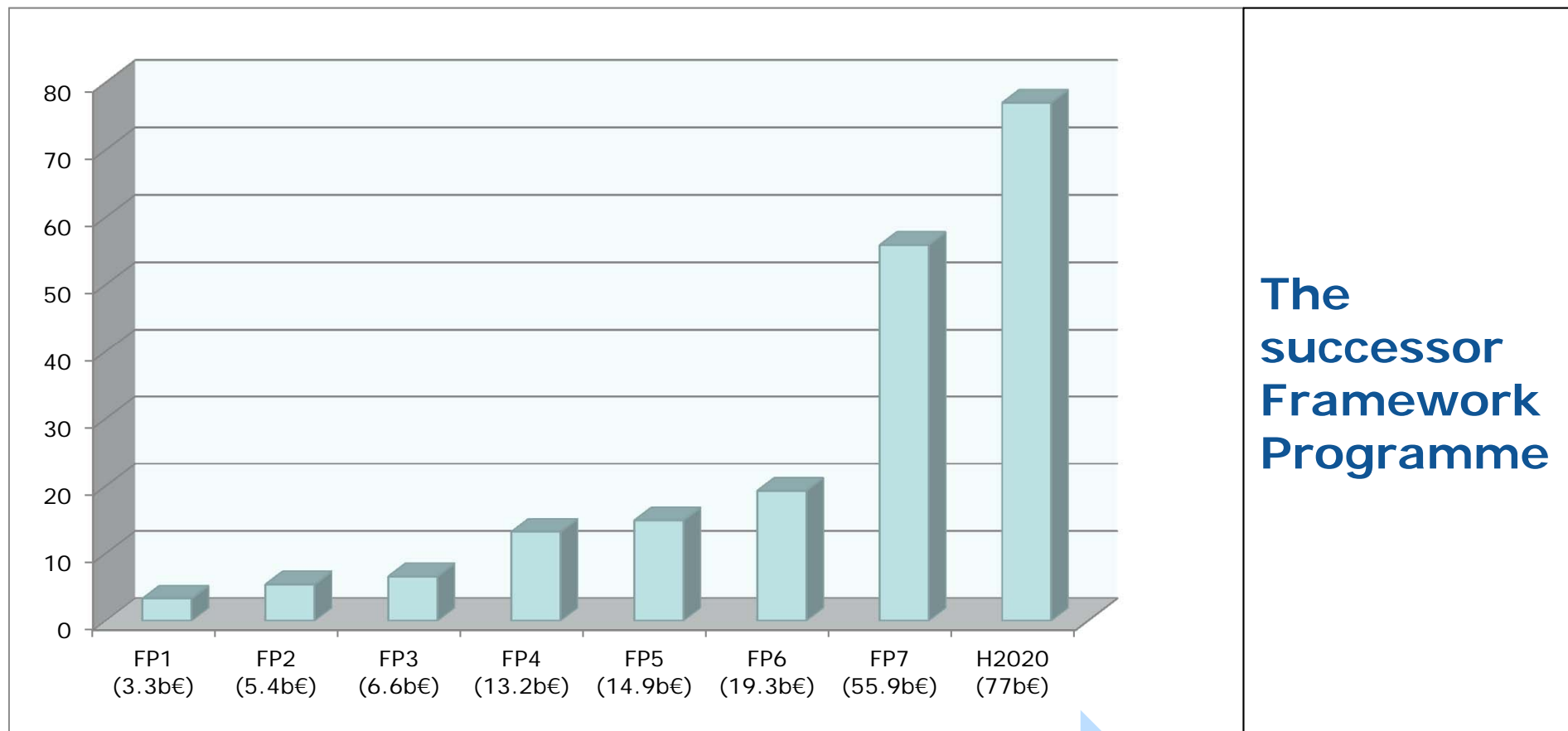
- The preparation of the successor FP will benefit from an extensive co-design process where all interested stakeholders can participate, from citizens associations and NGOs, to Academia, RPOs and businesses;
- Inputs from Member States and the European Parliament will also form a part of the co-design process;
- Once the proposal is on the table it will be negotiated and adopted jointly by the Council of Ministers and the European Parliament.

Where stakeholders can participate and provide input:



- H2020 interim evaluation on-line public consultation
- Formal on-line consultation for the successor FP
- Stakeholder conference in June 2017 taking further the work on the H2020 interim evaluation and notably the report of the "Lamy Group"
- Workshops addressing specific issues
- Web Collaborative Platform (to be defined)

Evolution of the FPs budgets



The
successor
Framework
Programme

1984-87

2014-2020

Continuity

Excellence

Top-down

Cost-based

Grants

International

Collaborative

All stakeholders eligible

vs.

Break with the past

Cohesion

Bottom-up

Output-based

Loans

European only

Single beneficiaries

Less for big industry

It is the moment for good questions

Indicative timeline

2016

- Launch of foresight study (Q1)
- Public consultation on H2020 Interim Evaluation (20/10/16-15/01/17)

2017

- **Formal on-line consultation for the successor FP in the remit of the Impact Assessment (spring)**
- "Lamy group" Report (June)
- Foresight report (Oct)
- H2020 Interim evaluation concluded (Oct)
- H2020 WP 2018-2020 (Oct-Nov) (bridging towards FP9)
- **Next MFF Commission proposal (Dec)**

2018

- **Successor Framework Programme Commission proposals**



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!