



HORIZON 2020

TRAINING SEMINAR
EUROPEAN DOCUMENTATION CENTRES
BRUSSELS 6.10.17



Alan Cross
Horizon 2020 policy
DG Research and Innovation

- **Structure and budget**
- **Implementation**
- **Sources of information**
- **Next steps**

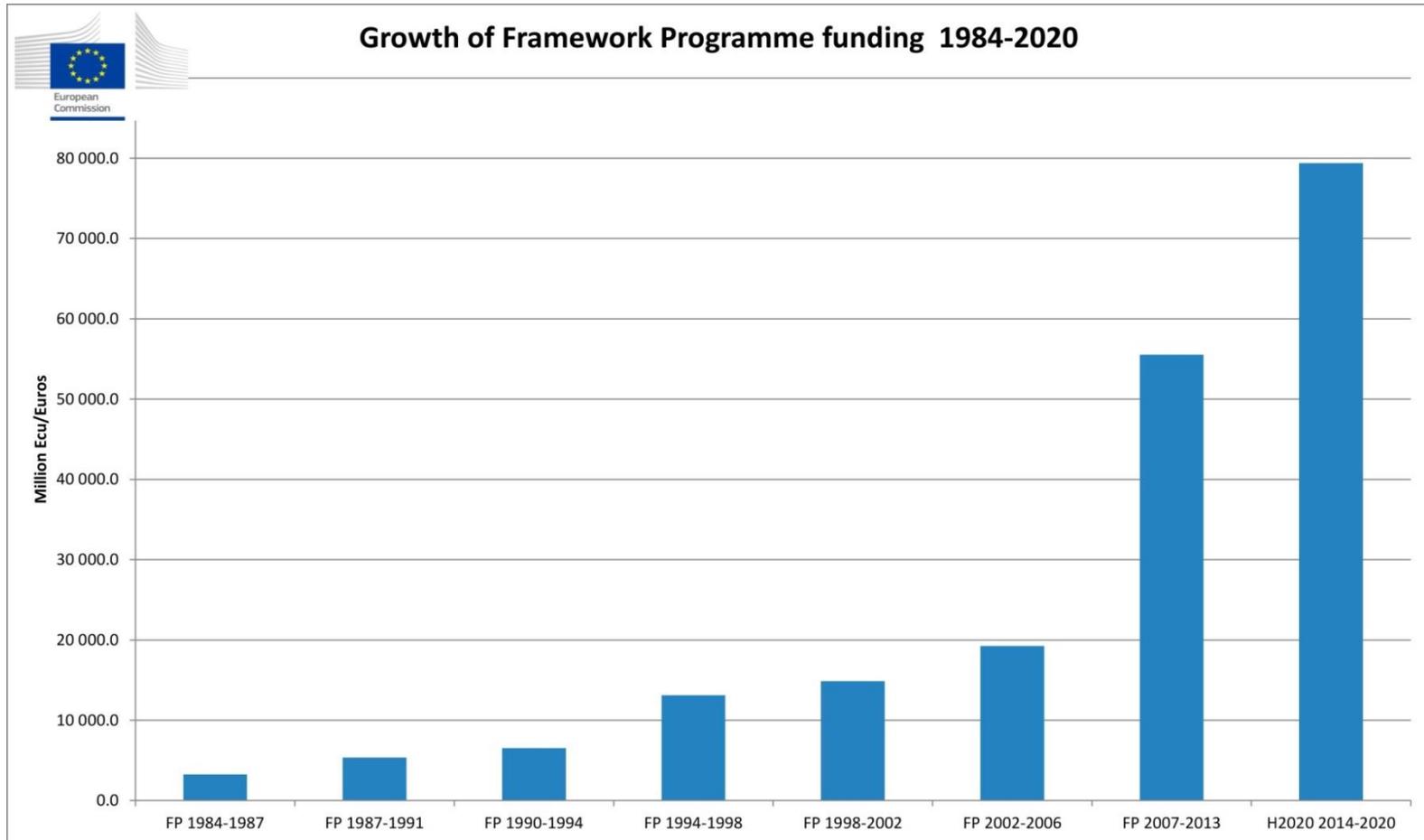
Structure and budget

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





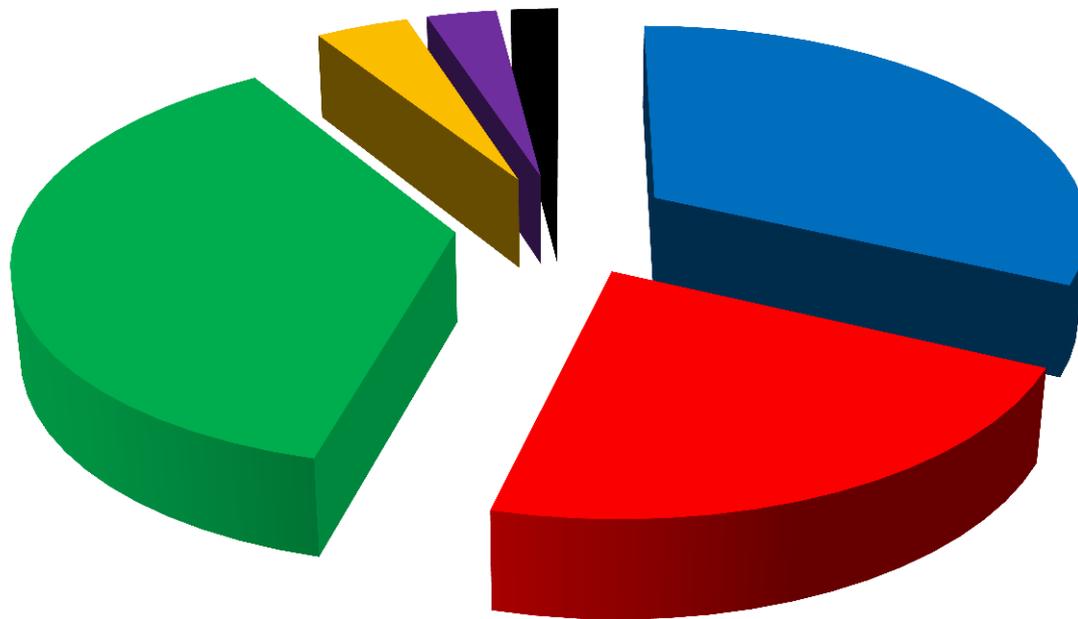
(c) European Union 2013

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)

Three priorities





Priority 1 - Excellent science

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



Funding Excellent science (€m, 2014-2020)

<i>European Research Council (ERC)</i> Frontier research by the best individual teams	13 095
<i>Future and Emerging Technologies</i> Collaborative research to open new fields of innovation	2 585
<i>Marie Skłodowska-Curie actions (MSCA)</i> Opportunities for training and career development	6 162
<i>Research infrastructures (including e-infrastructure)</i> Ensuring access to world-class facilities	2 389

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**

Funding Industrial leadership (€m, 2014-2020)

<p><i>Leadership in enabling and industrial technologies (LEITs)</i> (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)</p>	<p>13 035</p>
<p><i>Access to risk finance</i> InnovFIN - Leveraging private finance and venture capital for research and innovation</p>	<p>2 842</p>
<p><i>Innovation in SMEs</i> Fostering all forms of innovation in all types of SMEs</p>	<p>589 + complemented by expected 20% of budget of societal challenges + LEITs and '<i>Access to risk finance</i>' with strong SME focus</p>

Priority 3 - Societal challenges

• Why:

- Concerns of citizens and society/EU policy objectives (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**

Funding Societal challenges (€m, 2014-2020)

Health, demographic change and wellbeing	7 257
Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bioeconomy	3 707
Secure, clean and efficient energy *	5 688
Smart, green and integrated transport	6 149
Climate action, environment, resource efficiency and raw materials	2 956
Inclusive, innovative and reflective societies	1 258
Secure societies	1 613
<i>Science with and for society</i>	<i>445</i>
<i>Spreading excellence and widening participation</i>	<i>816</i>

Implementation

Implementation

- Proposals are evaluated by independent experts. Only the most excellent are funded
- A work programme is prepared every 2 years
- It sets out calls for proposals, budget, conditions etc
- The work programme for 2018-2020 is due to be adopted by the Commission on 27 October
 - Building on lessons learned, more impact, bigger topics, pilots for the future, "focus areas" cutting across sectors

Focus areas evolution along Horizon 2020



Sources of information

- Horizon 2020 on Europa
- Participant Portal
- National Contact Points
- Helpdesk (Research Enquiry Service)



Home



HORIZON 2020
Two years on

Horizon 2020: two years on
In 2015 there was an increase in proposals by 25% compared to 2014, especially coming from businesses, whose number of applications increased by almost 27%.



Latest news and events

Blue Growth Research & Innovation
Date: 17/11/2017
Brussels
All you need to know about the Blue Growth [Read more](#)

Registrations for the Horizon 2020 Societal Challenge 2 Infoweek are now open
Date: 29/09/2017
Horizon 2020 Societal challenge 2 Infoweek: all there is to know about new funding opportunities, Bioeconomy Policy, Digitisation and Blue Growth. [Read more](#)

Horizon 2020 Info Day on Societal Challenge 2
Date: 14/11/2017
Rue de la Loi 170, 1040, Bruxelles
Come and learn about the results of the new Work Programme 2018

#H2020



Horizon 2020
@EU_H2020
#IndustryInnovDay starts again at 2pm ☺ join us live! Opportunities in 2018-2020 NMBP calls & proposal ideas #H2020 europa.eu/!rd97Md pic.twitter.com/mlEpBXNtMT



Participant Portal IT How To service will be unavailable on **Wednesday, 04th of October from 06:00 until 09:00 (CET)**.
We apologise for any inconvenience this may cause.



On this site you can find and secure **funding** for projects under the following EU programmes:

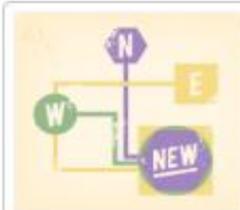
- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)
- 3rd Health Programme, Asylum, Migration and Integration Fund, Consumer Programme, COSME, Internal Security Fund Borders, Internal Security Fund Police, Justice Programme, Promotion of Agricultural Products Programme, Rights, Equality and Citizenship Programme and Research Fund for Coal & Steel

Non-registered users

- search for funding
- read the H2020 Online Manual & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle
- register as expert advising the Commission



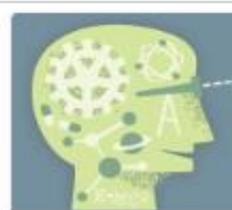
WHAT'S NEW?



FUNDING OPPORTUNITIES



HOW TO PARTICIPATE



WORK AS AN EXPERT



MY PERSONAL AREA



INFORMATION AND SUPPORT

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



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- H2020 Online Manual
- Research Enquiry Service
- Enterprise Europe Network
- National Contact Points
- Glossary
- FAQ
- IT Helpdesk
- Other Help Services
- Terms and Conditions
- What's New
- APIs

...th of October from 06:00 

Horizon 2020 Funding

Starting from 1/1/2014

On this site you can find and secure funding from:

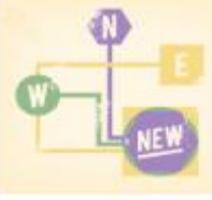
- 2014-2020 Horizon 2020 - research and innovation
- 2007-2013 7th research framework programme
- 3rd Health Programme, Asylum, Migration and Integration Fund, Consumer Programme, COSME, Internal Security Fund Borders, Internal Security Fund Police, Justice Programme, Promotion of Agricultural Products Programme, Rights, Equality and Citizenship Programme and Research Fund for Coal & Steel

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H2020

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

European Statistics

Hercule III Programme

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

Research Fund for Coal & Steel

Rights, Equality and Citizenship Programme

Union Civil Protection Mechanism

FP7 & CIP Programmes 2007-2013

Calls

Other Funding Opportunities

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Funding Opportunities

H2020 ONLINE MANUAL

Find the European Union funding opportunities and search for new or closed calls of the programmes described on this page.

See the full list of the Commission funding programmes.



Horizon 2020

Horizon 2020 is the new EU funding programme for research and innovation running from 2014 to 2020 with a €80 billion budget. H2020 supports SMEs with a new instrument that runs throughout various funded research and innovation fields, enhances EU international research and Third Country participation, attaches high importance to integrate social sciences and humanities encourages to develop a gender dimension in project.

Cosme

Programme for the Competitiveness of Enterprises and SMEs (COSME) will run from 2014 to 2020, with a planned budget of €2.3bn. It will facilitate SME access to finance, create supportive environment for business creation, help small businesses operate outside their home countries and improve their access to markets.



Consumer Programme

The Multiannual Consumer Programme 2014-2020 has a planned budget of 188 million EUR. It will support actions that ensure a high level of consumer protection, that empower consumers and that place the consumer at the heart of the internal market.





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3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

European Statistics

Hercule III Programme

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

Research Fund for Coal & Steel

Rights, Equality and Citizenship Programme

Union Civil Protection Mechanism

FP7 & CIP Programmes 2007-2013

Calls

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Calls for Proposals



Horizon 2020

Advanced search for topics
Calls for tenders on TED

- Excellent Science
 - European Research Council (ERC)
 - Future and Emerging Technologies (FET)
 - Marie-Sklodowska-Curie Actions
 - Research Infrastructures
- Industrial Leadership
 - Leadership in enabling and industrial technologies (LEIT)
 - Information and Communication Technologies

Status Calls with forthcoming topics Calls with open topics Calls with only closed topics

Sort by Call title Call identifier Publication date

Filter a call

FILTER

Industrial Leadership
Inducement prize: Online security - Seamless personal authentication
H2020-OnlineSecurityPrize-2017

Publication date:27 September 2017

Excellent Science
Call for proposals for ERC Proof of Concept Grant

ERC-2018-PoC

Publication date:06 September 2017

Science with and for Society
EU Prize for Women Innovators 2018

H2020-SWFS-Prize-2017-35

Publication date:05 September 2017

Excellent Science
Call for proposals for ERC Synergy Grant

ERC-2018-SyG

Publication date:24 July 2017

Excellent Science
Call for proposals for ERC Starting Grant

ERC-2018-STG

Publication date:24 July 2017

Societal Challenges
H2020-JTI-IMI2-2017-12-two-stage

H2020-JTI-IMI2-2017-12-two-stage

Publication date:19 July 2017

Societal Challenges
H2020-JTI-IMI2-2017-11-single-stage

H2020-JTI-IMI2-2017-11-single-stage

Publication date:19 July 2017

Industrial Leadership
Inducement prize: Tactile Displays for the Visually Impaired

H2020-TactilePrize-2017

Publication date:23 May 2017

Industrial Leadership
Inducement prize: Zero Power Water Infrastructure Monitoring

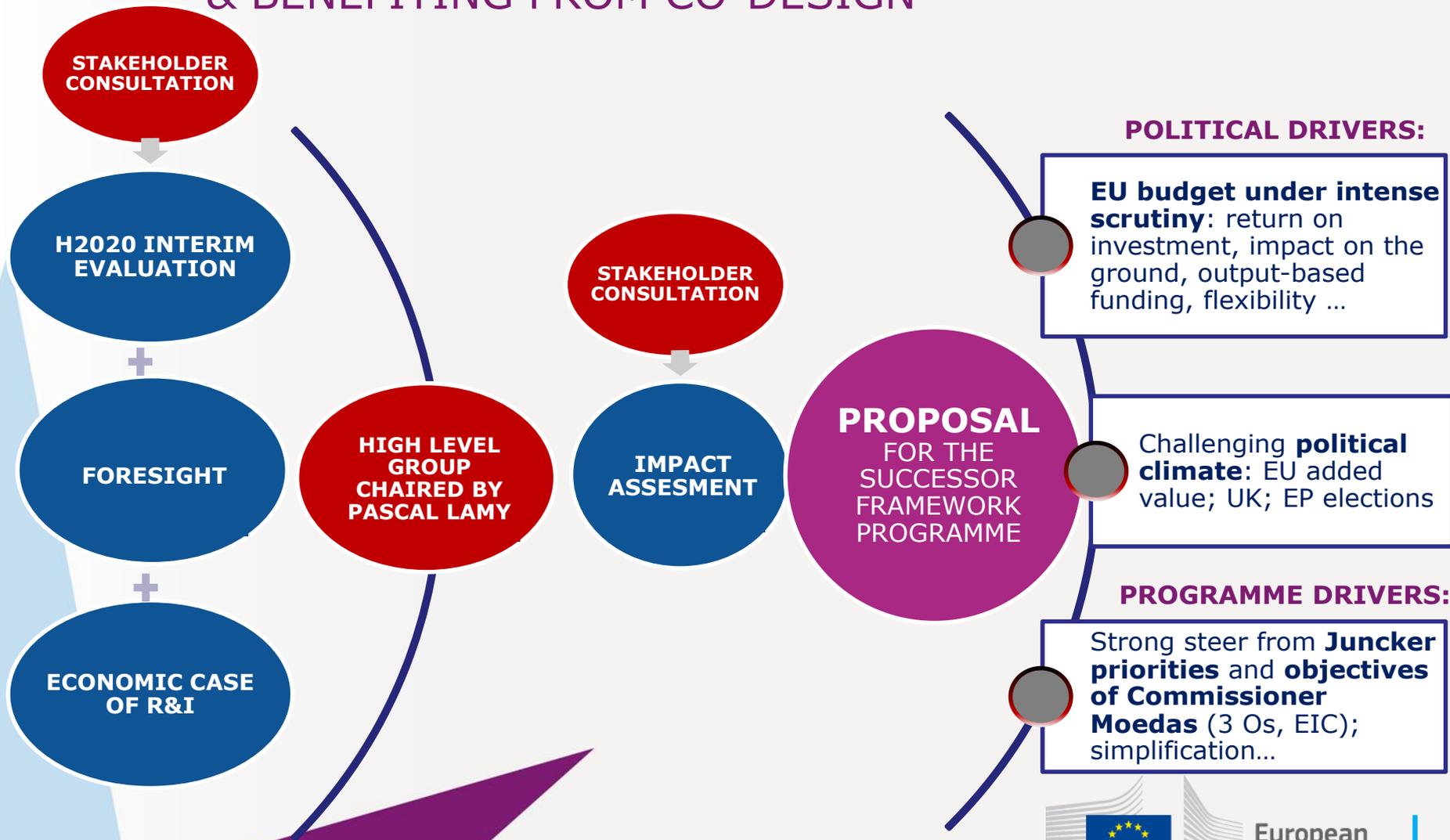
H2020-PowerWaterPrize-2018

Publication date:19 April 2017

Next steps



TOWARDS FP9: LEARNING FROM THE PAST, CONSIDERING THE FUTURE & BENEFITING FROM CO-DESIGN





TOWARDS FP9:

Key findings from the H2020 INTERIM EVALUATION

KEY STRENGTHS



An **attractive, simplified and well-performing programme**, highly relevant for stakeholders and societal needs.



On track to deliver **value for money** and **to meet its knowledge-creating objectives**.



Strong **EU Added Value** through unique opportunities, competition & access to new knowledge.



TOWARDS FP9:

Key findings from the H2020 INTERIM EVALUATION

KEY AREAS FOR IMPROVEMENT



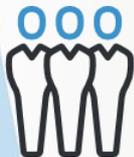
Underfunding

Has lower success rates than FP7, esp. for high quality proposals.



Support for market-creating innovation

Demonstrates potential for breakthrough, market-creating innovation, but it should be strengthened substantially.



Greater outreach to civil society

Should better explain the impacts of R&I, and involve even more the users & citizens in agenda-setting & implementation.



TOWARDS FP9: LAMY HIGH LEVEL GROUP – REPORT

- 'LAB – FAB – APP: Investing in the European future we want', available on High Level Group web page:
https://ec.europa.eu/research/evaluations/index_en.cfm?pg=hlg
- Published on 3 July 2017 during 'Research and Innovation – Shaping our Future' conference in Brussels
- The report will set the scene for a public and political debate on research and innovation in the post-2020 EU budget, and is expected to influence the development of FP9
- **11 recommendations and accompanying actions**
- Members of the High Level Group will act as ambassadors for the recommendations during the months ahead (a follow-up meeting is scheduled for January 2018)



*Thank you for your
attention!*