



# ***Preparing for post H2020 programme***

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## Outline

- ✓ *Approach & Timeline*
- ✓ *Interim Evaluation*
- ✓ *Ex ante impact assessment*
- ✓ *Summary of Stakeholder participation & co-design*
- ✓ *Conclusions for Photonics*

## **Some legal aspects** *to recall the current activities*

### ***From the EU Treaty (TFEU)***

*Article 182 + 178*

***A multiannual framework programme, setting out all the activities of the Union, shall be adopted...***

### ***From the EURATOM Treaty***

*Article 7*

***the Community shall... promote research ...***

### ***From the EU Treaty (TFEU)***

*Protocol 37*

***Research on coal and steel will continue benefitting of the revenue from the ECSC***

# FP9 Preparation Approach



The **Council** and the **Parliament** will negotiate the **next MFF** (multiannual Financial Framework), which will determine the future budgets for Research.

The **Council** and the **Parliament** will, on the basis of Commission proposal, Co-decide FP9.

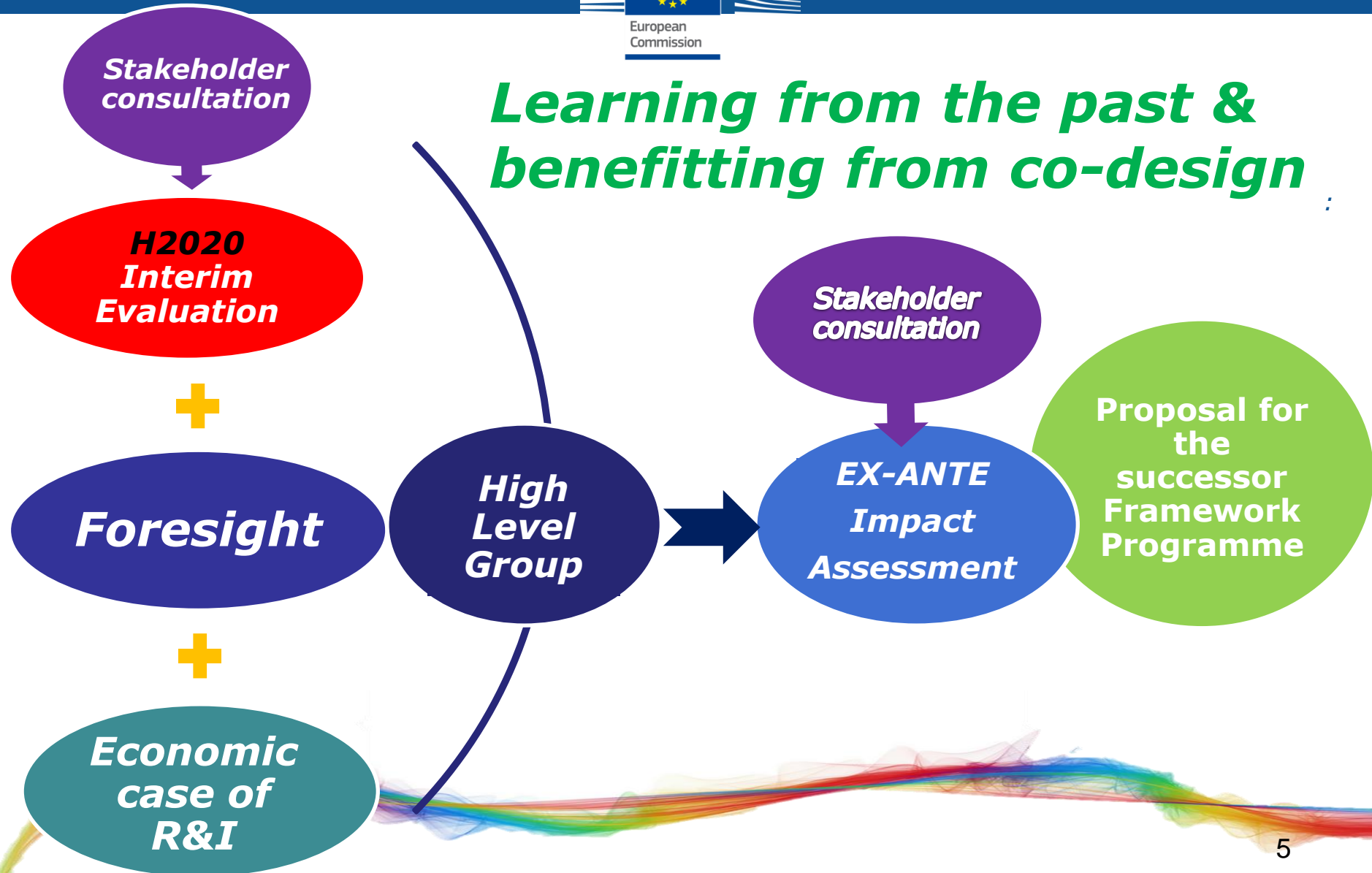
In parallel, the new Cohesion Programmes will be negotiated, which will be of significance for the FP9 negotiations as well.



# FP9 Preparation Approach



## Learning from the past & benefitting from co-design :



# FP9 Preparation Timeline



2016

- Launch of a *Foresight Study*
- Public consultation on *H2020 Interim Evaluation*

2017

- High Level Group Report (June)
- Public consultation on the *Impact Assessment for FP9* (July – October)
- *Foresight final report* (October)
- *H2020 Interim evaluation concluded* (October)

2018

- H2020 WP2018-20 (bridging towards FP9)
- *NEXT MFF* (Commission Proposal)
- Successor Framework Programme (Commission Proposal) (Q1)

# Interim Evaluation Includes cPPPs



- *cPPPs subject to a **mid-term review** by independent experts: Apr – Sep 2017*
- *Purpose is to assess cPPPs in terms of their:*
  - *Efficiency*
  - *Continued relevance and appropriateness*
  - *Coherence with other initiatives and actions which are thematically related*
  - *Effectiveness and contribution to general policy objectives*
  - *Impact in terms of value added*
- *Short and longer term recommendations for the future of cPPPs expected*

## ***Supported by a Stakeholder consultation***

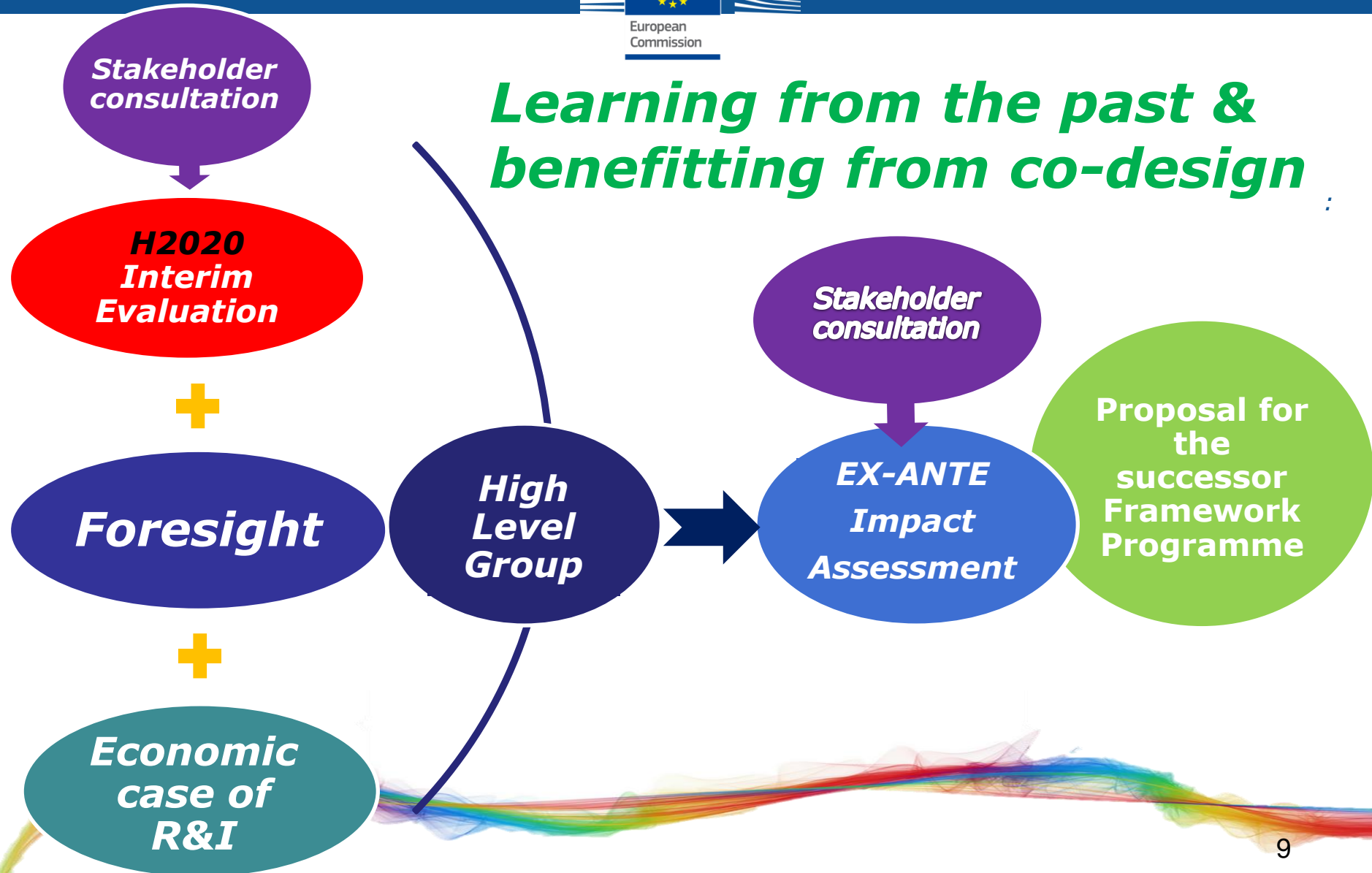
*Nearly 3500 responses and 350 position papers  
from 69 countries including a very supportive  
position paper on JTIs and cPPPs from EARTO*



# FP9 Preparation Approach



## Learning from the past & benefitting from co-design :



# Ex-Ante Impact Assessment Scene-setter



"I want the Commission's impact assessment system to be the best in the world"

"I am convinced that the core values of Horizon 2020 and its successor have to be excellence, openness and impact"

"Make sure that every action we take delivers maximum performance and value added"



## *Key components of the impact assessment:*

- ✓ ***Problem definition, including problem drivers***
- ✓ ***EU added value***
- ✓ ***Policy objectives***
- ✓ ***Policy options to be assessed - link with FP9 design!***
- ✓ ***FP9 indicators***

## ***Public consultation***

*Expected to run from July to October 2017 will contribute to the European Commission's Impact Assessment.*

*Results will feed into the design of FP9.*

## Summary

- ✓ H2020 interim evaluation on-line public consultation ✓
- ✓ **Stakeholder conference (3<sup>rd</sup> July 2017) on the H2020 interim evaluation and recommendations of the "High Level Group"**
- ✓ **On-line consultation for the next programme**
- ✓ **Workshops addressing specific issues**
- ✓ **National and regional events**
- ✓ **Collaborative Platform on the web ?**



## Conclusions for Photonics

- *Impact matters (Growth, jobs) priority for next WP/proposals*
- *Photonics21 to contribute actively to co-designing future Framework Program (FP)*
  - *by contributing to the cPPPs Mid-Term review (Photonics PPP impact report, interviews...)*
  - *by participating in the Stakeholders conference on 3rd July 2017*
  - *by contributing to the Public consultation on future FP – (Vision document, other position papers,...)*

*For further information to be released soon!*

- Foresight study,*
- Economic case for 'Research and Innovation'*

***Thank you for your attention.***



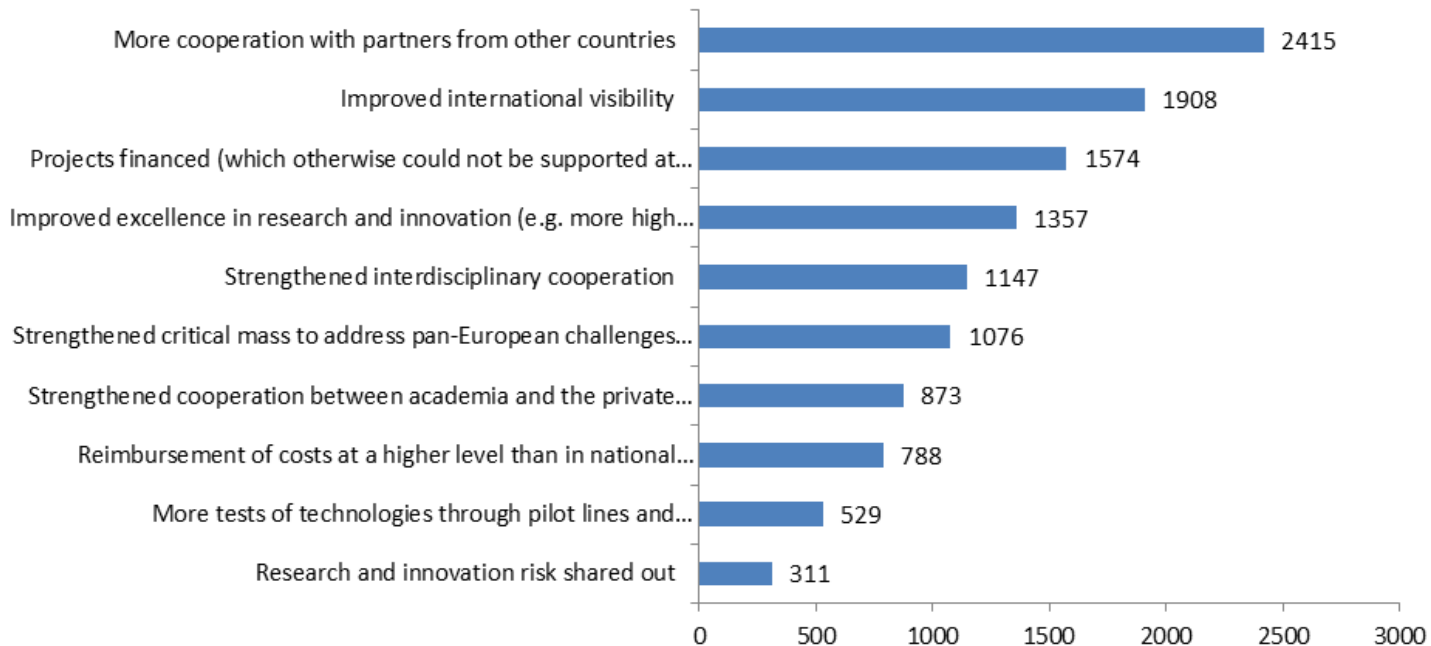
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# ***Stakeholder consultation (1)***

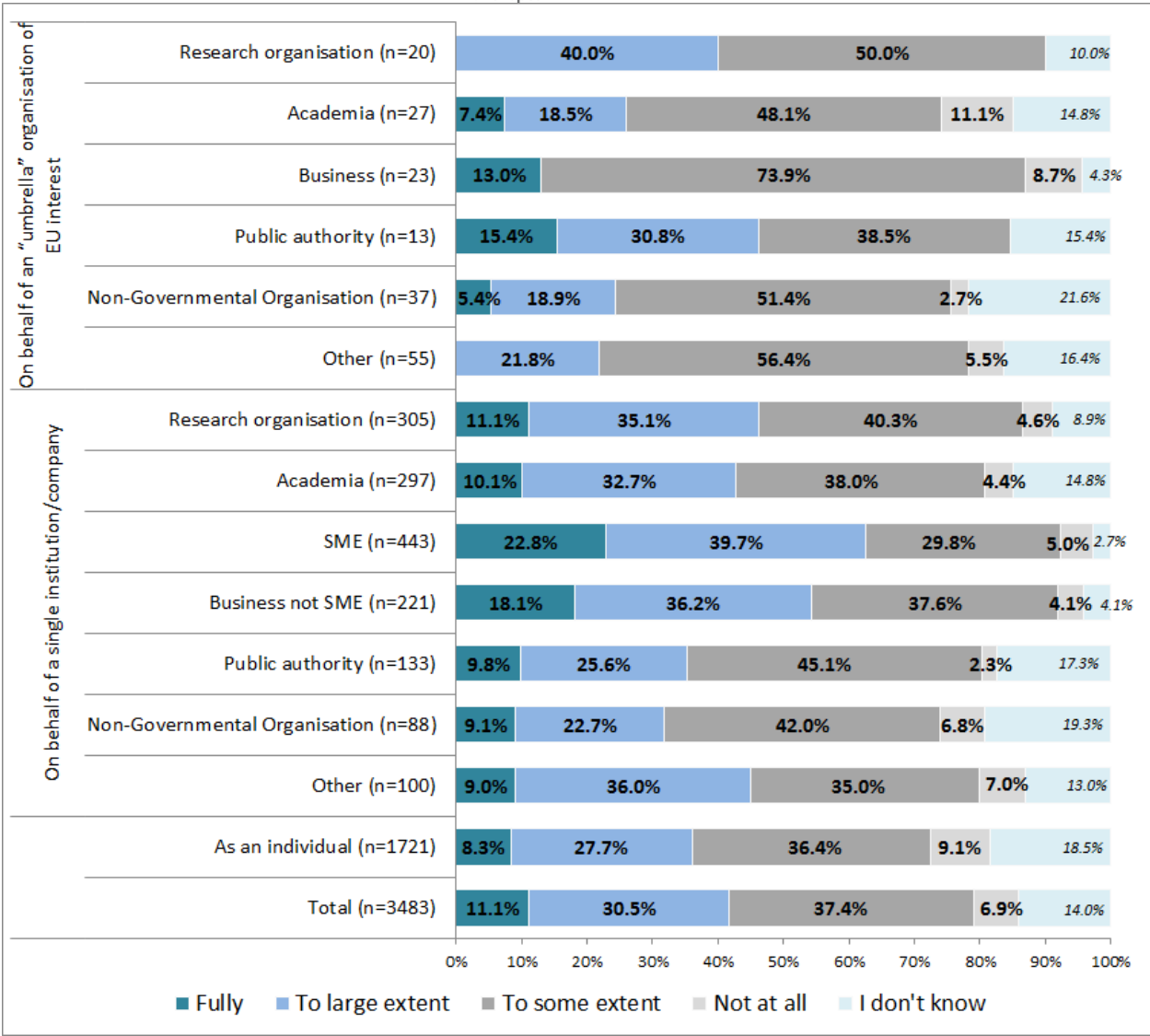
*Nearly 3500 responses and 350 position papers  
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**Do you think that Horizon 2020 is stimulating disruptive and market-creating innovation (a new process, product or service that upsets existing business models and serves new set of customers)?**



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Source: Replies to stakeholder consultation questionnaire launched in the framework of the Interim Evaluation of Horizon 2020, October 2016-January 2017, N=3483

# Stakeholder consultation (3)

*Most frequent views in position papers*

FREQUENCY

THEME & VIEW



- **Oversubscription** is one of the most commonly quoted issues of Horizon 2020.



- Horizon 2020 is **addressing policy priorities of Europe** but there is room to increase programme flexibility.



- Horizon 2020 needs to ensure a **good balance between research and innovation**. The importance of basic, collaborative and frontier research should not diminish.



- **Widening participation** is crucial, but should not come at expense of excellence.



- The current approach to build up the **EIC** seems to address the key challenges in innovation support to SMEs.



- The current **pillar structure improves the clarity of the** programme but linkages among the pillars should be enhanced.



- **Grants** should remain the primary funding instrument of Horizon 2020. Funding should not divert to loan based financing under the EFSI.



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# ***Foresight and R&I policy***

*Foresight is not prediction. It is a tool of intelligence that aims at dealing with the unpredictability of the future.*

*Foresight for R&I policy should help to:*

- frame the debate / set the agenda*
- inform policy making*

## ***Foresight for the next FP***

### ➤ ***Building on existing resources***

- *Internal: EPSC, JRC - The Network of Foresight Correspondents*
- *External: National studies, think tanks, OECD*
- *Hybrid: Foresight projects supported by the FP*

### ➤ ***BOHEMIA**: dedicated foresight study, including public engagement, to support the next FP*



# Overview of the *BOHEMIA* project

Phase 1  
2016

- Review of available foresight to produce **scenarios** relevant for Europe and deeper insights in topical fields

Phase 2  
Jan- March  
2017

- **Delphi survey** to gain insights on future technologies, societal issues, and R&I practices based on the scenarios

Phase 3  
April – Oct.  
2017

- **Consultation** on the BOHEMIA scenarios and Delphi results
- **Analysis and policy recommendations**

# ***The BOHEMIA scenarios***

*To identify key transitions for the future, and associated challenges and opportunities*

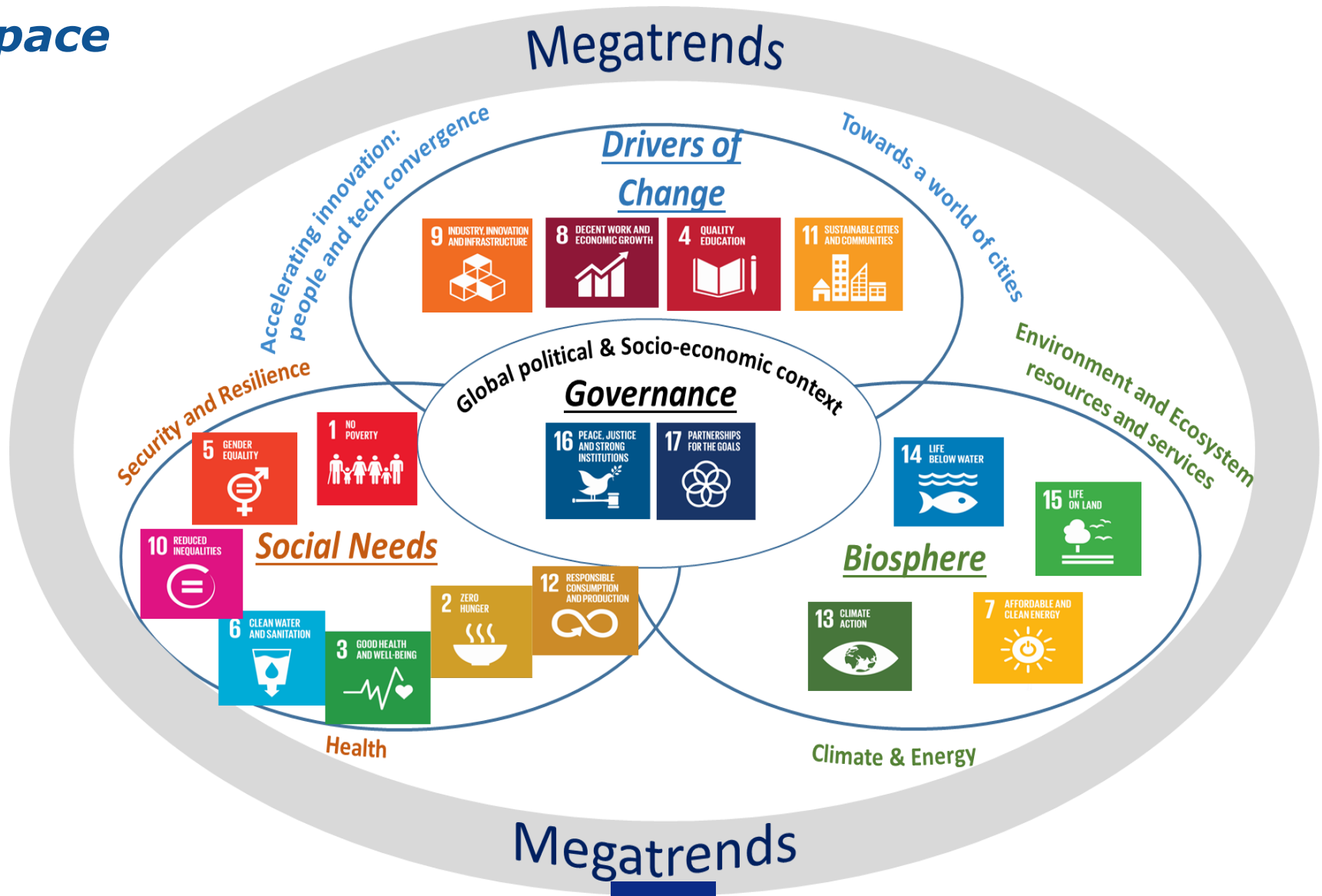
- *Analytical context: global megatrends*
- *Normative context: SDGs and the need for a strong*

*Europe*

- *Two types of scenarios to illustrate the transitions:*
  - *'perseverance scenarios', current trends persevere leading to crises*
  - *'change scenarios', in which Europe leads the transition to 'the future we want'*



# BOHEMIA scenarios space





# ***Key messages from scenarios report***

*R&I investment is key for a strong Europe*

*Need to focus on:*

- *Finding mitigation and response options before crises strike*
- *Experimenting in real world settings and learn from the best*
- *Getting the regulation and governance right*
- *Cities as laboratories*
- *Openness in science, innovation and government*
- *Connecting across disciplines and policy sectors. Breaking down silos*





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