

Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
INVESTMENT PROGRAMME (2021 – 2027)

#HorizonEU

Magda De Carli
Head of Unit - ERA & country intelligence
European Commission
DG Research and Innovation

*Research and
Innovation*



Based on the Commission Proposal for Horizon Europe, the common understanding between co-legislators and the Partial General Approach, both approved in April 2019

Horizon Europe

Our VISION: A sustainable, fair and **prosperous** future for **people** and **planet** based on European values.

The ambitious EU research and innovation framework programme (2021-2027)



to strengthen the EU's scientific and technological bases and the European Research Area (ERA)



to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

The Commission proposes a budget of € 100 billion for Horizon Europe.

European Parliament and Council reached a common understanding on Horizon Europe on 19 March 2019

- Budget, **synergies** and third country association still pending, depending on the overall MFF negotiations
- Commission has started preparations **for the implementation of** Horizon Europe



Horizon Europe: Preliminary structure



Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures



Pillar 2 Global Challenges and European Industrial Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system



European Innovation Council

Support to innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors (**70% of the budget earmarked for SMEs**)

**European
Innovation Council
– a one-stop-shop**

Helping innovators create markets of the future, leverage private finance, scale up their companies, Innovation centric, risk taking & agile, proactive management and follow up

Two complementary instruments bridging the gap from idea to investable project

Pathfinder: grants
(from early technology
to pre-commercial)

Accelerator:
grants only & blended finance
(from pre-commercial
to market & scale-up)



R&I Missions

R&I Missions

Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact

A mission is a portfolio of actions across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.

Horizon Europe defines mission characteristics and elements of governance, and 5 missions areas.

Specific missions will be programmed within the Global Challenges and European Industrial Competitiveness pillar (drawing on inputs from other pillars)



New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key features

- **Simple architecture and toolbox**
- **Coherent life-cycle approach**
- **Strategic orientation**

Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

Co-funded

Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

Widening Participation & Strengthening the European Research Area: optimising strengths & potential for a more innovative Europe

Widening Participation and Spreading Excellence, e.g.

- *TEAMING*
- *TWINNING*
- *ERA Chairs*
- *COST*
- Support to NCPs
- Brain circulation and excellence initiatives
- “Hop-on“

Common understanding: At least 3.3 % of Horizon Europe budget

Reforming and enhancing the European R&I system

- Scientific evidence & foresight
- Open Science
- Policy Support Facility
- Attractive researcher careers
- Citizen science, Responsible Research & Innovation
- Gender equality

Commission proposal **for synergies** with other Union programmes

Horizon Europe



Other Union Programmes, including

Common Agricultural Policy	LIFE	Erasmus
ERDF	Connecting Europe Facility	Innovation Fund
External Instrument	ESF+	Internal Security Fund
Maritime & Fisheries Fund	Digital Europe	Single Market Programme
InvestEU	Space Programme	



Enhanced synergies

Compatibility

Harmonisation of funding rules; flexible co-funding schemes; pooling resources at EU level

Coherence and complementarity

Alignment of strategic priorities in support of a common vision

Synergies to maximise quality, quantity and impact of investment in R&I`

STRATEGIC / PROGRAMMING LEVEL

- Horizon Strategic programming
- ERDF/ESF Operational programmes

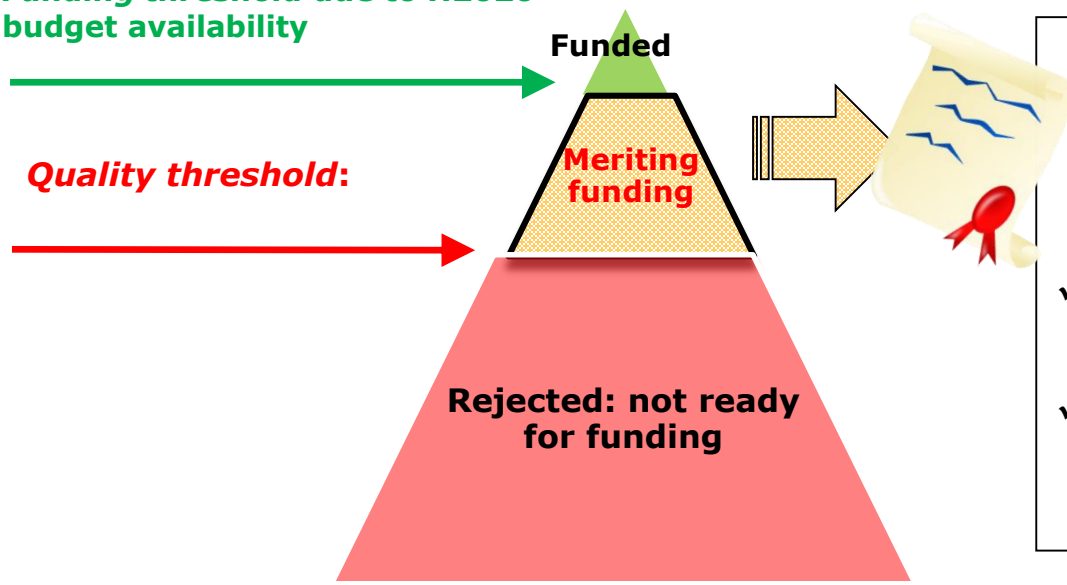
OPERATIONAL IMPLEMENTATION

- Sequential funding
- Alternative funding
 - Co-funding
 - Transfer



Horizon 2020 evaluation

Funding threshold due to H2020 budget availability



The SEAL OF EXCELLENCE
certificate declaring that the proposals is of high quality and meriting funding

- ✓ Target population: excellent projects not funded by H2020
- ✓ Accompanying letter explaining how to search for alternative funding sources

Clear benefits for countries/ regions:

- ✓ make the most of a unique, high quality evaluation process
- ✓ better use of resources
- ✓ potential high local impact

Pilot using the SME Instrument

- ✓ Single company
- ✓ Small scale R&I actions
- ✓ Close to market

Total schemes for Seals



Seal Scheme	Number of 'Seal' Schemes	Countries
31 SME Instrument Seal schemes	17 PHASE 1 schemes in 14 countries	CY (1), IT (1), ES (3), HU (1), SI (1), SE (1), CZ (2), NO (1), PL (1), UK (1), SK (1), BE (1) EL (1) and soon LT(1) National: 13 Regional: 4
	14 PHASE 2 schemes in 10 countries	IT(4), ES (2), FR (1), SI (1), PL (1), CY (1), BE (1), LV(1) and soon HR(1), EL (1) National: 6 Regional: 8
10 Marie Sklodowska-Curie	MSCA schemes in 8 countries	CY(1), CZ (1), SE (1), SI (1), IT (3), LT(1), BE Flanders (1), BG (1) National: 6 Regional: 1 Institutional: 3
1 Teaming	Teaming Scheme in 1 country	SK (1) National: 1
1 European Research Council*	1 scheme in 1 country	CY (1) National: 1
TOTAL	43 Schemes in 18 countries	CY (4)*, CZ (3), IT (8), ES (5), FR (1), HU (1), SI (3), SE (2), NO (1), PL (2), UK (1), HR(1), LV (1), EL (2), SK (2), LT (2), BE (3), BG (1) *CY has a programme with 2 modules and it funds (Ph1&2, MSCA and ERC starting and consolidator grants) 27 National schemes in 13 countries: CY (4), CZ (2), ES (1), HU (1), SI (3), SE (2), NO (1), PL (2), UK (1), HR (1), EL (2) and SK (2), LT (2), BG (1) 13 regional schemes in 4 countries: IT (6), ES (3), FR (1), CZ (1) 3 Institutional IT (3)

EU State aid rules and Horizon Europe

- State aid rules only apply to **'State resources'**
- 'State resources': Subject to a Member State's discretion – in particular as regards the selection of beneficiaries
- Resources centrally managed by EU institutions do **not** constitute State resources
 - for example: Horizon 2020, COSME, TEN-T, centrally-managed EU financial instruments
 - not subject to State aid rules
- ! Resources coming from the EU constitute State resources **if** MS-authorities have discretion as to the use of these resources!
 - for example: Structural Funds
 - State aid rules apply!



State aid rules and 'Synergies'

- Horizon Europe promotes effective and operational **synergies** with other future EU programmes and policies
- 'Synergies' means i.a. 'pooling of resources' – also of EU centrally managed funds with funds that are under Member State control, e.g. the ERDF, ESF, or any purely national resources.
- *For example: The 'Seal of Excellence' will allow other funders - e.g. ERDF managing authorities – to benefit from the Horizon Europe proposal evaluation.*
- Complex regulatory environment: Where Member States provide State resources to an R&D&I-project that also receives Horizon-funding, EU-funding rules *and* EU State aid rules apply to the respective part of the funding.
- Challenge: Frictionless interplay of EU-programmes with State aid rules.
- Contribution of State aid policy: Proposed amendments to the State Aid General Block Exemption Regulation (GBER).

In a nutshell – The first draft proposal for GBER-amendments in the area of R&D&I-aid

- **Aid for Seal of Excellence SME R&D- projects or SoE Marie Skłodowska-Curie actions** (new Article 25a): Horizon rules on eligible costs apply. Horizon maximum aid intensities apply – up to 100% for fundamental research or industrial research and 70% for experimental development; M.S-C up to 100%
- **Aid for co-funded R&D-projects under Horizon Europe** (new Article 25b): Horizon rules on eligible costs apply. Total public funding (EU + State aid) up to 100% for fundamental research and industrial research, 70% for experimental development. Provided HE funding at least 35/30%
- **Aid for ‘Teaming’ actions**, including for Teaming-related infrastructure investments (new Article 25b): Horizon rules on eligible costs apply; in addition, investments costs in project-related tangible and intangible assets shall be eligible. Total public funding (EU + State aid) up to 100% for fundamental research and industrial research, 70% for experimental development; for Teaming-related infrastructure up to 70% of the investment costs.



In a nutshell – The first draft proposal for GBER-amendments in the area of R&D&I-aid

Objectives

- **Simplify regulatory framework** by aligning the GBER with Horizon Europe as regards eligible cost categories and maximum funding rates
- Exempt these aid measures **from the notification obligation**
- Streamline project assessment at Member State level/ **no assessment of R&D quality necessary by Member States**
- Avoid **unnecessary distortions** of competition
- MSs can make use of these synergies /simplification if they wish (**no obligation**)



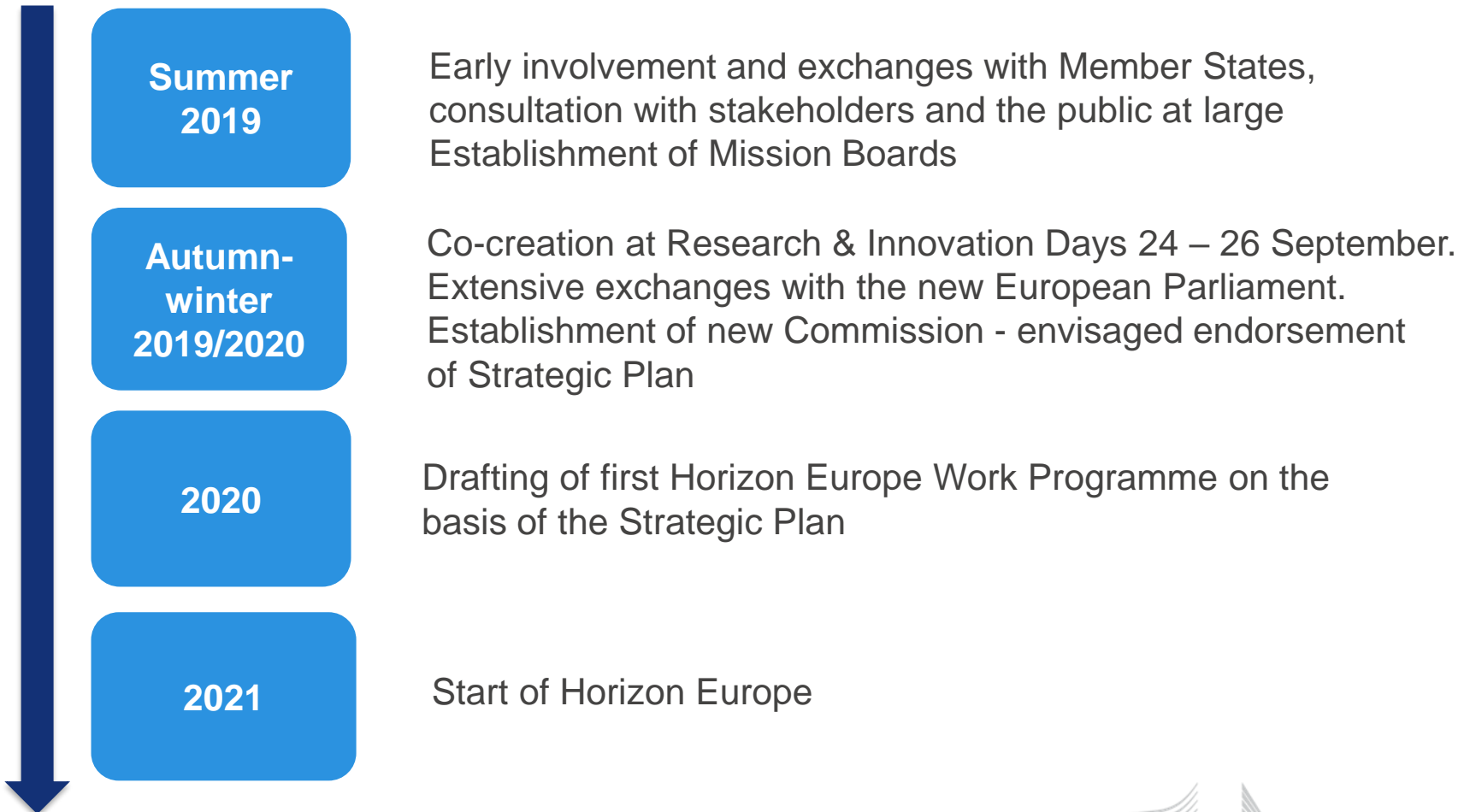
The first draft: The first draft proposal for GBER-amendments in other areas

- **Block-exemption rules for State aid involved in InvestEU financial products** (Art. 56d-56f): In essence, it is not necessary to quantify the aid: the total financing received by the final recipient from the InvestEU supported financial product will have to comply with i) some sector-specific eligibility and exclusion criteria or ii) if the financing is small and certain conditions for risk-sharing between public and commercial investors are met, no further sectoral eligibility criteria will be specified
- **Extension of rules for aid for European Territorial Cooperation** (ETC) projects: i) to block-exempt aid for costs for large undertakings participating in ETC projects (Article 20); ii) to block exempt aid for very small amounts of aid (up to EUR 20 000 per undertaking per project) (Article 20a).

State of play and next steps

- The first of two rounds of public consultations on the draft amendment was open from 26 June until 27 September 2019
- First draft document for consultation on Commission website: https://ec.europa.eu/competition/consultations/2019_gber/index_en.html
- Advisory Committee meeting with Member States on this first draft, on 10 September 2019.
- The Commission is currently evaluating the public consultation and if necessary revises the draft amendment
- A second, two-months consultation on the second draft will follow, possibly towards the end of 2019
- The Commission will consult Member States in a second Advisory Committee meeting.
- Target: The amended GBER accompanies the adoption of Horizon Europe; it might even still accompany Horizon 2020.

Steps towards the first Horizon Europe work programme



Follow us and keep up to date via:

#HorizonEU

[@Moedas](#) [@EUScienceInnov](#) [@EU_H2020](#) [@HorizonMagEU](#)

<https://www.facebook.com/EUScienceInnov/>

<https://www.facebook.com/cmoeidas/>



Horizon Europe dedicated website

<http://ec.europa.eu/horizon-europe>

European Innovation Council

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

EU budget for the future

http://ec.europa.eu/budget/mff/index_en.cfm



Thank you!

#HorizonEU

<http://ec.europa.eu/horizon-europe>