

Horizon Europe

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

#HorizonEU

MAGDA DE CARLI
Head of Unit
DG Research and Innovation
ERA and country intelligence



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.

Horizon Europe: Preliminary structure



Lessons Learned

from Horizon 2020 Interim Evaluation

Key Novelties

in Horizon Europe



Support breakthrough innovation



European Innovation Council



Create more impact through mission-orientation and citizens' involvement



R&I Missions



Strengthen international cooperation



Extended association possibilities



Reinforce openness



Open science policy



Rationalise the funding landscape



New approach to Partnerships



Encourage participation



Spreading Excellence

Widening Participation and Strengthening the European Research Area:

optimising strengths & potential for a more innovative Europe

Widening Participation and Spreading Excellence

- **Teaming**
- **Twinning**
- **ERA Chairs**
- **COST**
- Support to NCPs & proposal check
- Brain circulation and excellence initiatives
- “Hop-on“, ...

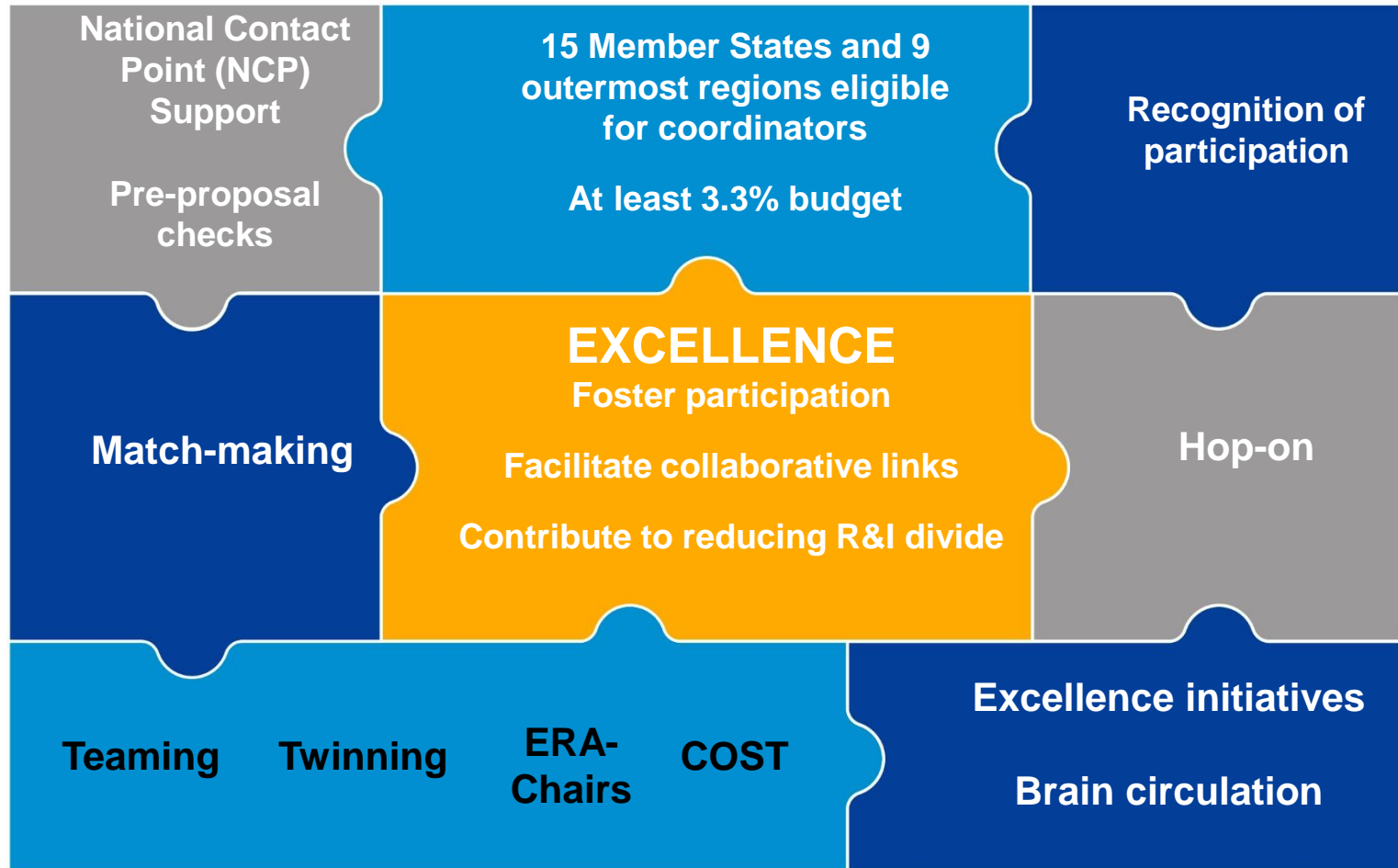
**Common understanding: “At least
3.3 % of Horizon Europe budget”**

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



Widening participation/spreading excellence



Novelties for Widening under Horizon Europe:

- **Continuation of core widening instruments** with some improvements in response to lessons learnt
 - **Research cost** eligible (ie: small research projects allowed into Twinning & ERA Chairs projects)
 - More emphasis on developing **management capacities**
 - 80% of COST actions must have **significant widening dimension**
 - **Fixed list of eligible countries** to host the main beneficiary (EU13 + PT + EL) based on new indicators and internal study
 - **EU outermost regions** fully eligible to host the co-ordinator
 - **More integrated policy approach** and **enhanced synergies** with European Structural and Investment Funds (ESIF), transnational missions, smart specialisation strategies ERA
 - **Further simplification & harmonisation of rules** across funding systems
- +**
- **“Advancing Europe” package** with a set of additional support schemes to boost participation of less research performing countries

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

Horizon Europe



Other Union Programmes, including

Common Agricultural Policy
ERDF
External Instrument
Maritime & Fisheries Fund
InvestEU

LIFE
Connecting Europe Facility
ESF+
Digital Europe
Space Programme

Erasmus
Innovation Fund
Internal Security Fund
Single Market 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



European
Commission



★ SEAL OF
EXCELLENCE ★

Horizon 2020 evaluation

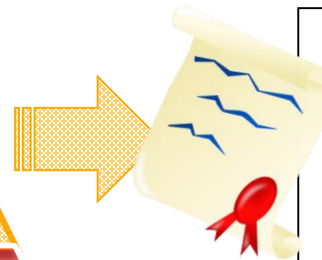
Funding threshold due to H2020
budget availability

Funded

Quality threshold:

Meriting
funding

Rejected: not ready for
funding



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 Skłodowska-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)

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

Key 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)

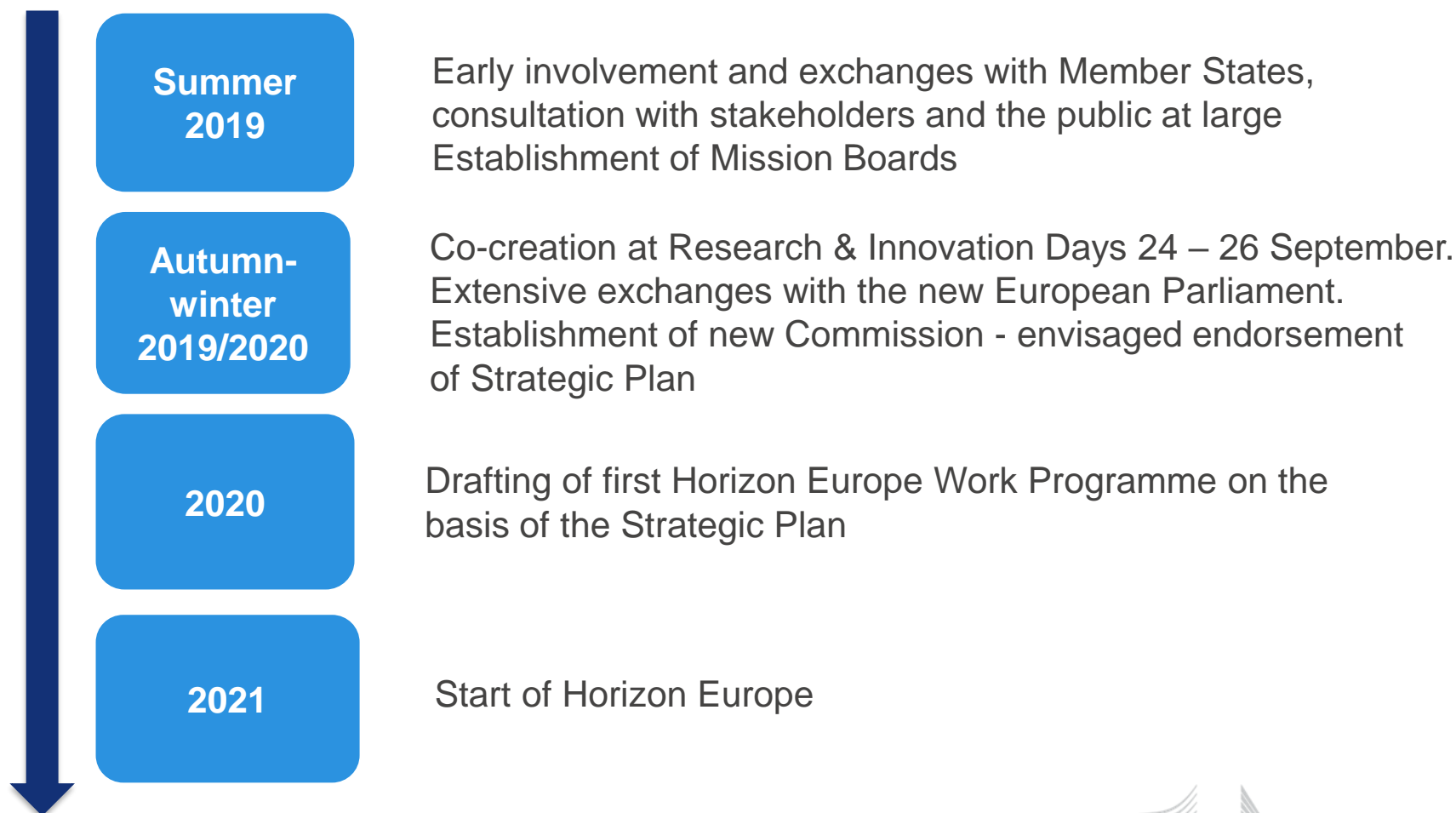
In a nutshell – Current proposal for GBER-amendments in the area of R&D&I-aid

- **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.**

State of play and next steps

- Commission has published the first of two rounds of public consultations on the draft amendment
<http://ec.europa.eu/competition/consultations/open.html>
- The first consultation will be open for three months
 - **Feedback in electronic format, preferably in English, French or German would be much appreciated**
- The Commission will evaluate the responses to the first consultation
- A second, two-months consultation on a (possibly revised) draft will follow, possibly towards the end of 2019
- In parallel, the Commission will consult Member States in Advisory Committee meetings on both drafts.
- Target: The amended GBER accompanies Horizon Europe; it might even still accompany Horizon 2020.

Steps towards the first Horizon Europe work programme



WIDENING calls in 2019 (WP 2020)

- Twinning (institutional networking)

Budget: **€69 million**

Call deadline: 14 November 2019

Project Size: up to €0.9 million (eligibility condition)

Project Duration: up to 3 years (eligibility condition)

- ERA Chairs (bringing excellence to institutions)

Budget: **€50 million**

Call deadline: 14 November 2019

Project Size: up to €2.5 million (eligibility condition)

Project Duration: up to 6 years (eligibility condition)

- Widening Fellowships (DL 11 September 2019)

Twinning: Aim, Objectives & Partnership

Aim of the action:

Strengthen a **defined field of research** in a university or research organisation from a Widening country by linking it with at least two internationally-leading research institutions in other Member States or Associated Countries.

Main objectives:

- Enhance the **S&T capacity** of the institutions- Focus on institution in Widening country
- Raise the research profile of the **institution and** of its research **staff**

The Partners: (Minimum Conditions)

- **ONE** institution located in a "Widening" MS/AC (**COORDINATOR**)
- A **minimum of TWO** additional partners from two different MS or AC other than the country of the coordinator

Activities supported:

- Coordination and Support Action: Short term staff exchanges; expert visits and short-term training; workshops; conference attendance; organisation of joint summer school type activities; dissemination, networking and outreach activities.

Twinning: novelties in WP2020

Bridging to Horizon Europe (fine-tuning)

- Making costs for research and equipment eligible (up to 10% of the total),
- Focus on strengthening research management skills of coordinator (dedicated work package or task + concrete deliverable),
- Contribution of max EUR 0.9 million per project.

Specific requirement for proposers to explain the added value and impact of new proposals compared to previously funded Twinning projects within the same institution.

In the evaluation – among proposals with the same score first the priority will be given (*ex aequo*) to those with coordinators established in 'Widening countries' that are not otherwise covered by more highly ranked proposals.

Last Twinning call under H2020 !

ERA Chairs

Objectives of the action:

- Create the appropriate conditions and bring high quality researchers and managers **(the ERA Chair and his/her team)** to universities and other research organisations with the potential for research excellence.
- Institutions should implement structural changes to achieve excellence on a sustainable basis.

Participants

- One single applicant (mono-beneficiary action) located in a Widening country.

Eligible Costs:

- Salaries of ERA Chairs and his/her team.
- Contribution towards measures aimed at facilitating structural changes at the institution (ERA priorities);
- Costs including training, meetings, publication and patenting costs, minor part of budget for research and equipment;
- The grant will not cover infrastructure costs.

ERA Chairs: novelties in WP2020 (1)

Bridging to Horizon Europe (fine-tuning):

- Increased budget to cover research & equipment costs (up to 10%);
- Focus on strengthening research management skills of institution (dedicated work package or task + concrete deliverable);
- Emphasis given on sustainability after the end of the H2020 funding (e.g. through the inclusion of a sustainability plan) – *how ERA Chair holder/team will continue or transitional arrangements to ensure the continuity of achievements;*
- Project duration extended to 6 years (covering the appointment of the ERA Chair/team).

ERA Chairs: novelties in WP2020 (2)

Specific requirement for proposers to explain the added value and impact of new proposals compared to previously funded ERA Chair projects within the same institution.

In the evaluation – among proposals with the same score first the priority will be given (*ex aequo*) to those with coordinators established in ‘Widening countries’ that are not otherwise covered by more highly-ranked proposals.

Last ERA Chairs call under H2020 !

Follow us and keep up to date via:

#HorizonEU

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

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

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



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>

Twinning: Expected Impact

Expected Impact:

- Increased research **excellence of coordinating institution**, in particular, in the selected field of research;
- Improved capability to succeed in competitive **research funding**;
- Enhanced reputation, **attractiveness** and networking;
- The expected potential impact of the project illustrated by a number of **indicators**;
- Benefit from/to "**advanced**" **partners** to be demonstrated.

Twinning Call 2020:

Budget: €69 million

Call opening: 24 July 2019

Call deadline: 14 November 2019

Project Size: up to €0.9 million (eligibility condition)

Project Duration: up to 3 years (eligibility condition)

Implementation: Coordination and Support Action

ERA Chairs: Proposal Design & Impact

Proposals:

- Bottom-up approach in the field of research but **connected with the ERA Chair holder expertise** to fully capitalise on his/her presence;
- Measures to foster **structural changes for excellence** including compliance with ERA priorities (open recruitment, peer review, gender balance, Charter & Code);
- Include a plan to **increase Research Capacity** - if infrastructures foreseen present a strategy for funding (including possible use of ESIF funding).

Expected Impact:

- Increased **attractiveness** of institution and region for excellent researchers;
- Increased research **excellence** in the fields covered by the ERA Chair;
- Improved capability of the institution to succeed in **competitive research funding**;
- **Institutional changes** with increased research capacity and ERA priorities compliance.