



Commission proposal for **Horizon Europe**

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

#HorizonEU

Deputy Director General Signe Ratso

NTNU Internationalization Conference
Trondheim, 13 November 2018

*Research and
Innovation*



Horizon Europe

is the Commission proposal for a **€ 100 billion** research and innovation funding programme for seven years (2021-2027)



to strengthen the EU's scientific and technological bases



to boost Europe's innovation capacity, competitiveness and jobs



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

Horizon Europe: investing in R&I to shape our future

- The vision:
" a Europe that protects,
a Europe that empowers,
a Europe that defends"
Jean-Claude Juncker
- Tackling **climate change**
(35 % budgetary target)
- Helping to achieve **Sustainable Development Goals**
- Boosting the Union's
competitiveness and growth



Credits: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Horizon Europe and the EEA countries

From 1 January 1994, the **EEA agreement** via an amendment to the EEA **Protocol 31** gives Norway the 'automatic' right to become associated to the EU R&I Framework Programmes.

Norway in Horizon 2020

Norway is the **second** most successful associated country to Horizon 2020 (after Switzerland).

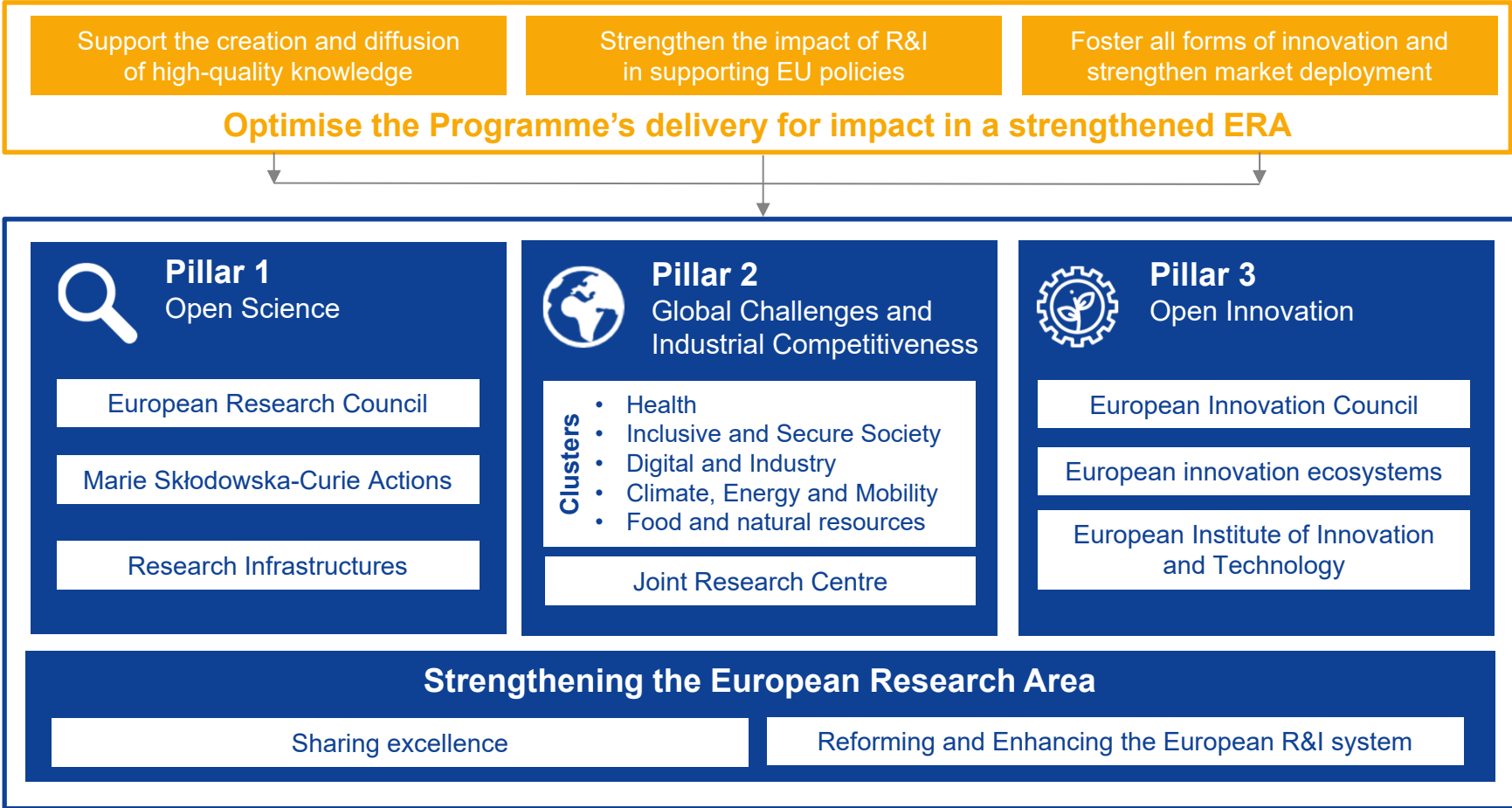
In Horizon 2020 Norwegian entities have participated so far 1621 times in 1025 signed grants, receiving EUR 729 million in EU contribution.

Norway and the preparation of the Horizon Europe proposal

Several Norwegian inputs received during preparation of Horizon Europe proposal. The content of these inputs considered in Commission proposal.

Horizon Europe: evolution not revolution

Specific objectives of the Programme



Pillar 1

OPEN SCIENCE:

reinforcing and extending the excellence of the Union's science base

European Research Council

- Frontier research by the best researchers and their teams

€ 16.6 billion

Marie Skłodowska-Curie Actions

- Equipping researches with new knowledge and skills through mobility and training

€ 6.8 billion

Research Infrastructures

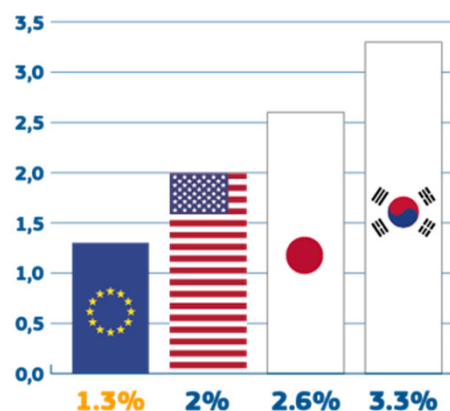
- Integrated and inter-connected world-class research infrastructures

€ 2.4 billion

While benefiting from world-class research and strong industries...

Our knowledge and skills are our main resources.

- 7% of the world's population
- 20% of global R&D
- 1/3 of all high-quality scientific publications



1.3%
EU business
R&D
investment

...Europe fails to transform leadership in science into leadership in innovation and entrepreneurship

Pillar 2

Global Challenges & Industrial Competitiveness:

boosting key technologies and solutions underpinning
EU policies & Sustainable Development Goals

Clusters implemented through usual calls, missions & partnerships	Budget (€ billion)
Health	€ 7.7
Inclusive and Secure Societies	€ 2.8
Digital and Industry	€ 15
Climate, Energy and Mobility	€ 15
Food and Natural Resources	€ 10
Joint Research Centre supports European policies with independent scientific evidence & technical support throughout the policy cycle	€ 2.2

Pillar 3

OPEN INNOVATION:

stimulating market-creating breakthroughs and ecosystems conducive to innovation

European Innovation Council

- Support to innovations with breakthrough and market creating potential

€ 10.5 billion, incl. up to € 500 million for ecosystems

European innovation ecosystems

- Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

- Bringing key actors (research, education and business) together around a common goal for nurturing innovation

€ 3 billion

Next steps



Negotiations with Council and EP

- About **1000** pages of amendments from EU member states
- More than **500** amendments from EP Rapporteurs
- Almost **4000** amendments from other Members of the EP



Moments to watch

- COMPET Council on **28** September
- EP-ITRE vote on **21** November
- EP-Plenary vote on **28-29** November
- COMPET Council on **30** November



'With growing international competition, Europe needs to act urgently on research and innovation.

The proposed € 100 billion for the next EU research and innovation programme would be a huge boost.'

Carlos Moedas, Commissioner, 15/05/2018



Project Name: GoJelly – A gelatinous solution to plastic pollution

Funding: €5 998 114,75



The objective of the GoJelly project is to develop, test and promote a gelatinous solution to microplastic pollution by developing a prototype microplastics filter (GoJelly) for commercial and public use. Two environmental issues are addressed with one approach: removing the commercially and ecologically destructive sea and coastal pollution of both jellyfish and microplastics. This innovative approach will ultimately lead to less plastic in the ocean. The by-products of the GoJelly biomass have other uses, resulting in novel, valuable resource for the food and feed industry as well as agro-biological fertilizer for organic farming. The GoJelly prototype products will be tested and demonstrated in three different European seas (Norwegian, Baltic and Mediterranean), by a range of stakeholders, including commercial fishers and industry partners.



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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!

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