

Η πρόταση της Ε. Επιτροπής για το νέο πρόγραμμα πλαίσιο για την Έρευνα & Καινοτομία Ορίζοντας – Ευρώπη (2021-2027)

Δρ. Μ. Χριστούλα

Διεύθυνση Διεθνούς Επιστημονικής και Τεχνολογικής Συνεργασίας

Χρηματοδοτικές ευκαιρίες για την Έρευνα και Καινοτομία στον τομέα της Υγείας
ΕΙΕ, 11/9/ 2018



Agenda

- Κύρια σημεία της πρότασης της Ε. Επιτροπής για τον Ορίζοντα Ευρώπη (2021-2027)
- Χρονοδιάγραμμα – επόμενα βήματα
- Συνοπτικά στοιχεία για την ελληνική συμμετοχή στον Ορίζοντα 2020
- Διαβούλευση για τη διαμόρφωση εθνικών θέσεων

7 Ιουνίου 2018



Commission proposal for Horizon Europe

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

#HorizonEU

Jean-Eric Paquet

Research and
Innovation



Horizon Europe

is the Commission proposal for a **€ 100 billion** programme investing in research and innovation for seven years (2021-2027), including Euratom :



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

€ 4.1 billion are proposed to be allocated for defence research, in a separate proposal for a European Defence Fund

Lessons Learned

from Horizon 2020 Interim Evaluation



Support breakthrough innovation



Create more impact through mission-orientation and citizens' involvement



Strengthen international cooperation based on reciprocity



Reinforce openness whilst safeguarding EU interests



Rationalise the funding landscape



Key Novelties

in Horizon Europe

European Innovation Council

R&I Missions

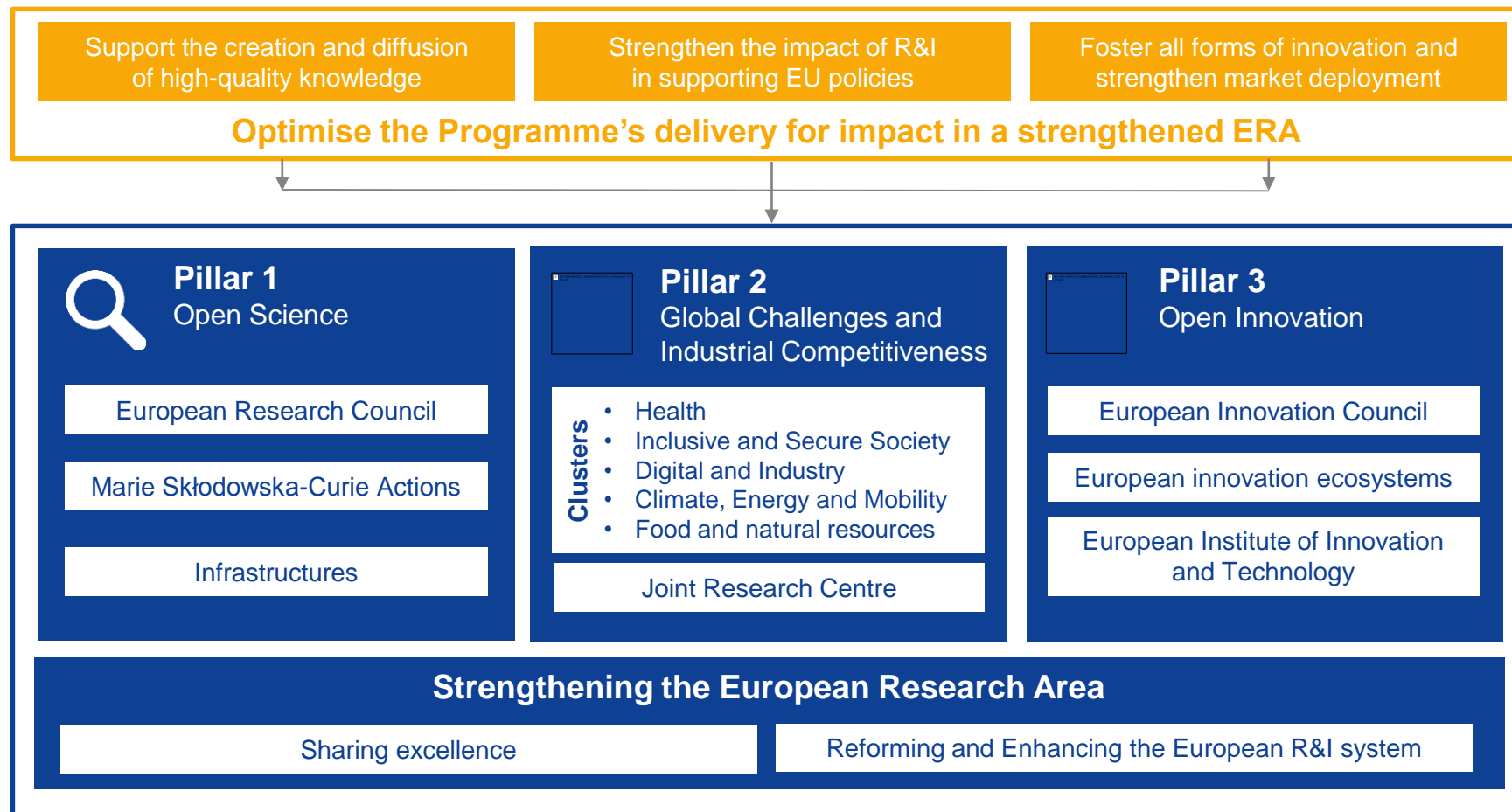
Extended association and international cooperation possibilities

Open science policy

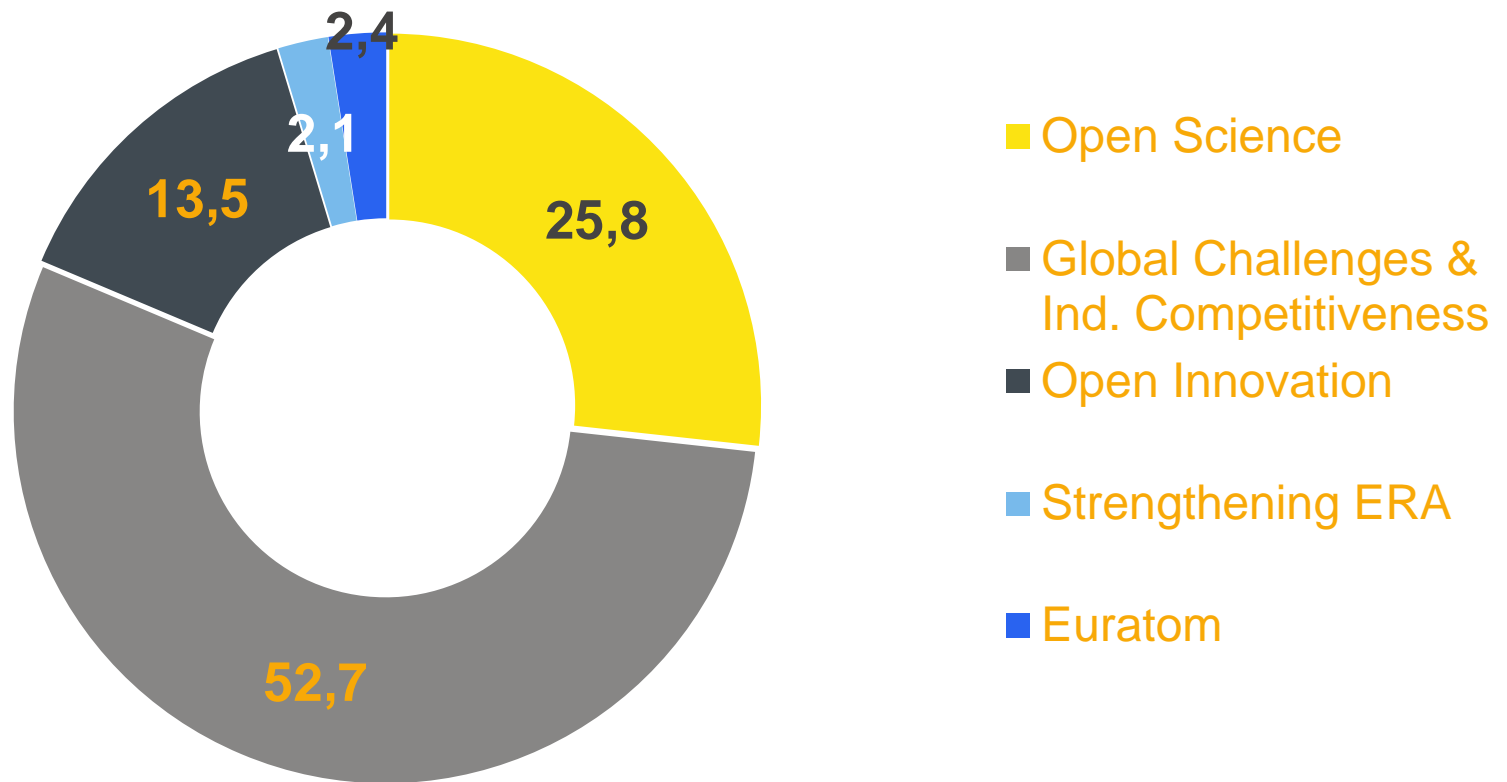
New approach to Partnerships

Horizon Europe evolution not revolution!

Specific objectives of the Programme



Budget of Horizon Europe: € 100 billion*



100€ million € (in current prices)*

* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

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

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 Society	€ 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

CLUSTER 1: Health

Intervention areas:

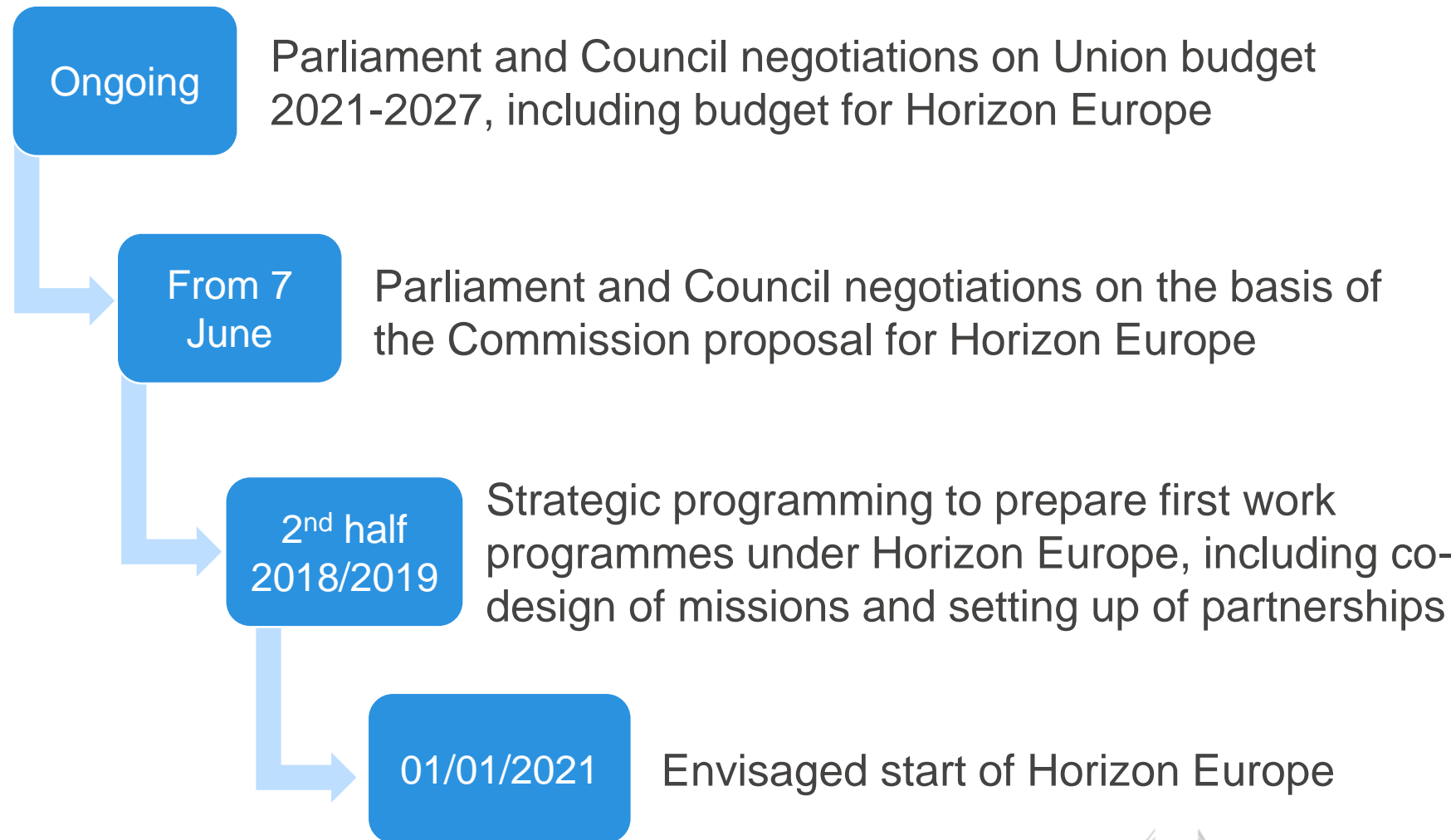
1. Health throughout the life course
2. Environmental and Social Health Determinants
3. Non-Communicable and Rare Diseases
4. Infectious Diseases
5. Tools, Technologies and Digital Solutions for Health and Care
6. Health Care Systems

CLUSTER 1: Health

What is new?

- **Digitalisation and personalisation** of health and care cut across all intervention areas
- **Health economics and health systems** are key for uptake of results and achieving impact
- **Patient-centered solutions and technologies** for health and care call for integrated approaches from medicines to medical devices (supported in Horizon 2020 under the pillar ‘Leadership in Enabling and Industrial Technologies’)

Next steps



Περισσότερες πληροφορίες για τον Ορίζοντα - Ευρώπη

Follow us and keep up to date via:

#HorizonEU

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<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>

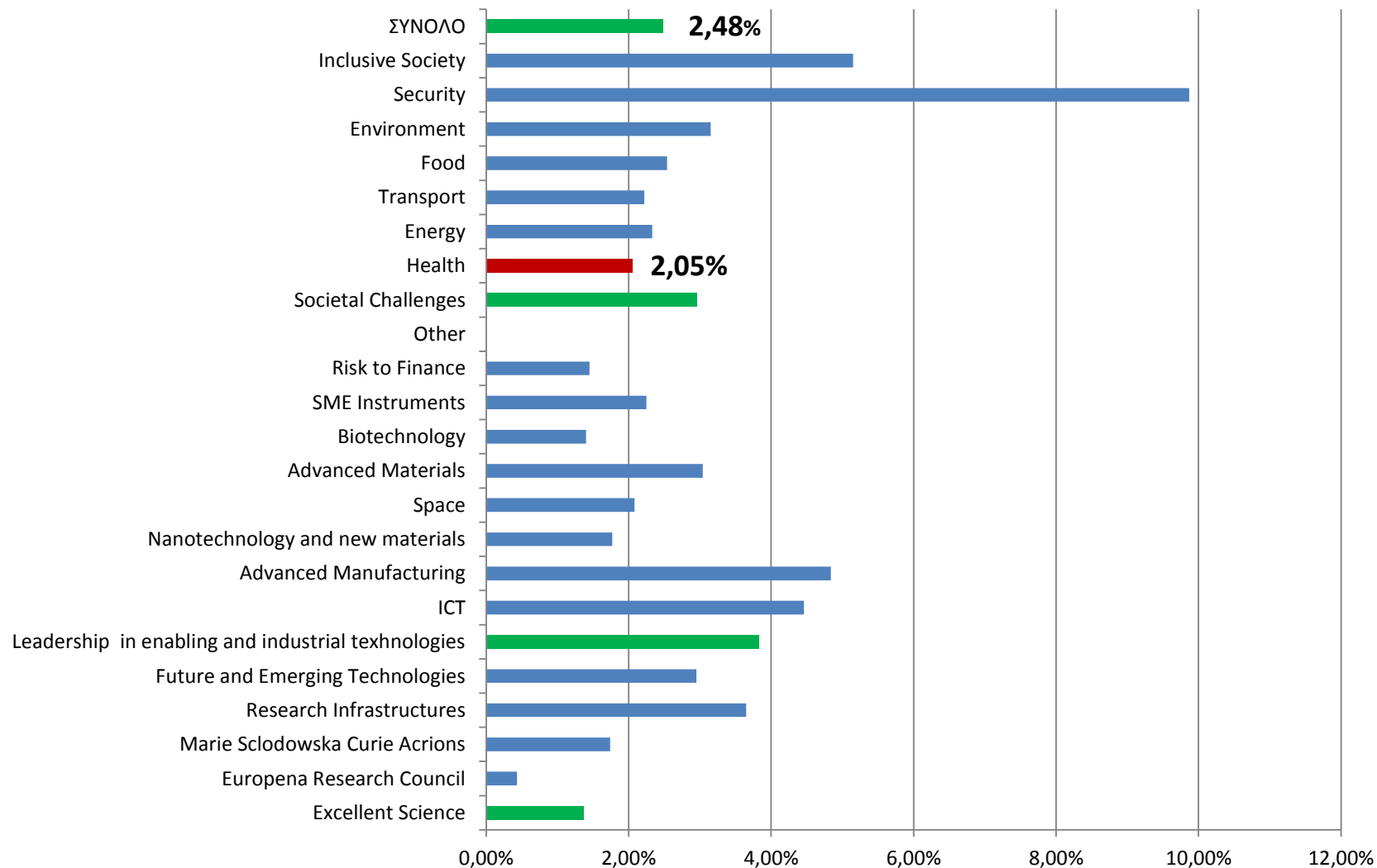
EU budget for the future

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

Η Ελληνική συμμετοχή στον Ορίζοντα 2020

11^η θέση/27 με > 700 εκ. €

Στοιχεία εγκεκριμένης χρηματοδότησης έως 31/5/2018



Έναρξη ανοιχτής διαβούλευσης για τη διαμόρφωση εθνικών θέσεων

Στην ιστοσελίδα της ΓΓΕΤ: www.gsrt.gr

Έως 3/10/2018

Ευχαριστώ για την προσοχή σας!

m.christoula@gsrt.gr



Backup slides

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



European Innovation Council

Support to innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors.

**European
Innovation
Council**

Helping innovators create markets of the future,
leverage private finance, scale up their companies,
Innovation centric, risk taking & agile, pro-
active 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 & blended finance
(from pre-commercial
to market & scale-up)



European
Commission

From Horizon 2020 to Horizon Europe

- From 13 parts
 - From 69 activity lines
-
- to 5 clusters
to 39 intervention areas

LEIT

Information and Communication Technologies (ICT)

Nanotechnologies

Advanced materials

Biotechnology

Advanced manufacturing and processing

Space

Societal Challenges

Health, demographic change and well-being

Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bio-economy

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, environment, resource efficiency and raw materials

Europe in a changing world – Inclusive, innovative and reflective societies

Health

Inclusive and Secure society

Digital and Industry

Climate, Energy and Mobility

Food and Natural Resources

CLUSTER 1: Health

Everyone has the right to timely access to affordable healthcare of good quality (EU Pillar of Social Rights, UN SDGs).

Newly emerging or persisting health challenges:

- **Threats to citizens and public health:** rise of non-communicable diseases; spread of antimicrobial drug resistance; emergence of infectious epidemics; health risks in a rapidly changing social, urban and natural environment
- **Sustainability of social and health care systems:** increasing costs for European health care systems; lack of effective health promotion and disease prevention; persistence of health inequalities, affecting disproportionately the vulnerable
- **Competitiveness of EU's health and care industry:** personalised medicine approaches and digitalisation in health and care; increasing pressure from new and emerging global players in health innovation

These challenges are **complex, interlinked and global.**

Biosciences & Health RIs

No	Acronym	Title	ESFRI relation	funding plan
1	INFRAFRONTIER-GR / Phenotypos	The Greek Research Infrastructure for Molecular and Behavioral Phenotyping of biological model organisms for chronic degenerative diseases	INFRAFRONTIER	1 st batch
2	pMED-GR	The Greek Research Infrastructure for Personalised Medicine Towards more accurate and cost-effective health management for the Greek citizen	-	1 st batch
3	Biolmaging-GR	A Greek Research Infrastructure for visualizing and monitoring fundamental biological processes	EURO-Biolmaging	1 st batch
4	Openscreen-GR	An Open-Access Research Infrastructure of Chemical Biology and Target-Based Screening Technologies for Human and Animal Health, Agriculture and the Environment	OpenSCREEN	1 st batch
5	ELIXIR-GR	Managing and analyzing biological data	ELIXIR	1 st batch
6	INSPIRED	The National Research Infrastructures on Integrated Structural Biology, Drug Screening Efforts and Drug-target functional characterization	INSTRUCT	1 st batch
7	EATRIS-GR	Infrastructure for preclinical and early-phase clinical development of drugs, therapeutics and biomedical devices	EATRIS	2 nd batch
8	BBMRI -GR	Strategic expansion of the Greek Biobanking Infrastructure	BBMRI	2 nd batch

Elements of the multiannual funding plan for RIs

Distribution of RIs per thematic priority

