

# EU SOIL DAY

#EUsoilDay

Title: Horizon Europe Programme  
Speaker: Marina Martínez, CDTI-SOST Brussels

U  
23

PRESIDENCIA  
ESPAÑOLA  
CONSEJO DE LA  
UNIÓN EUROPEA

BRUSSELS  
6 NOV 23

#EUsoilDay



# ... and the “proposed” chapters MFF 2021-2027

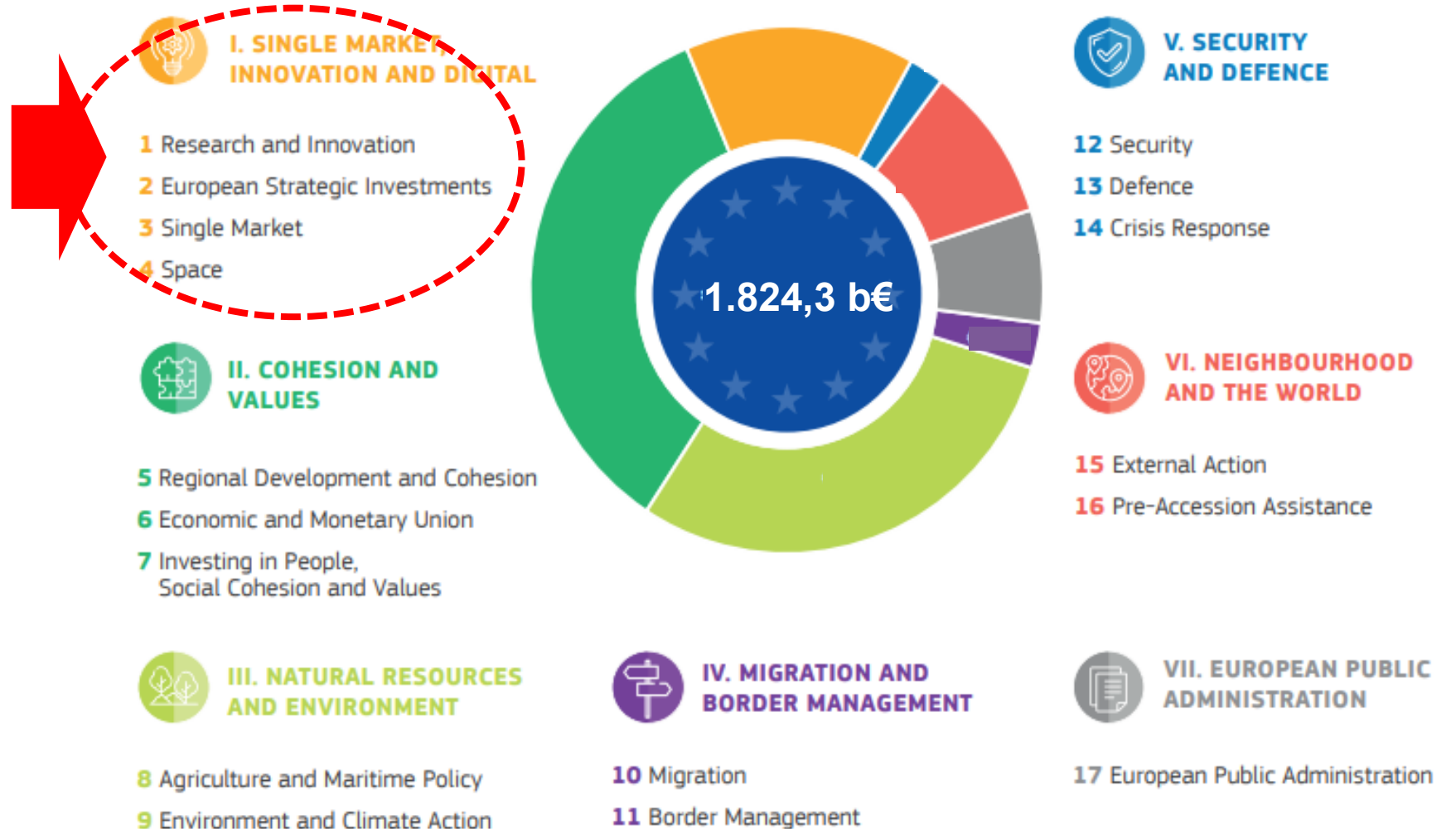
According Dec-2020 agreement...

But in Oct-2021 EC proposed a budgetary re-adjustment to EU-Council & EU-Parliament...

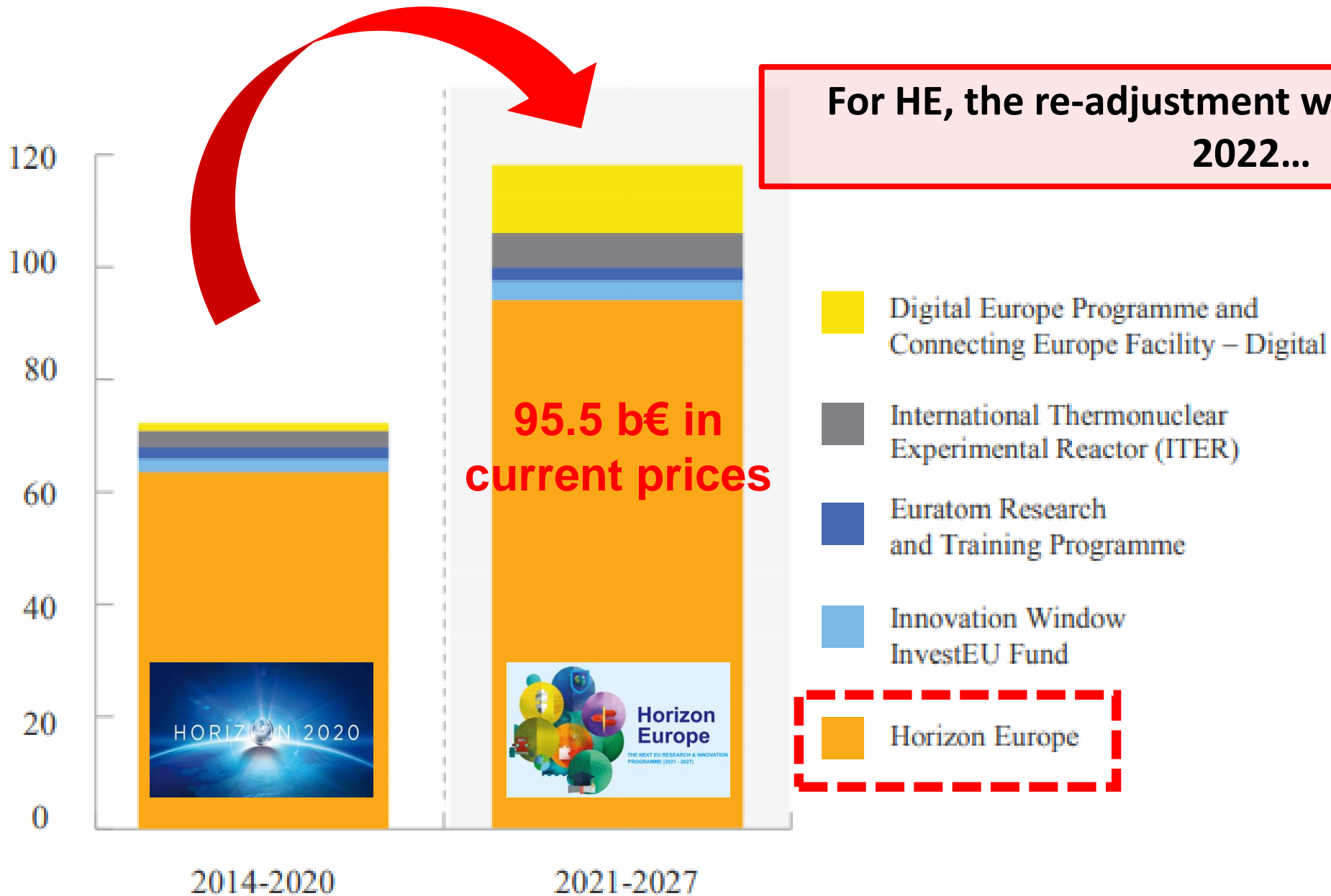
... this adjustment is being already applied from the calls-2022 and onwards!

## THE NEW MULTIANNUAL FINANCIAL FRAMEWORK 2021 - 2027 A BUDGET FOR A UNION THAT PROTECTS, EMPOWERS AND DEFENDS

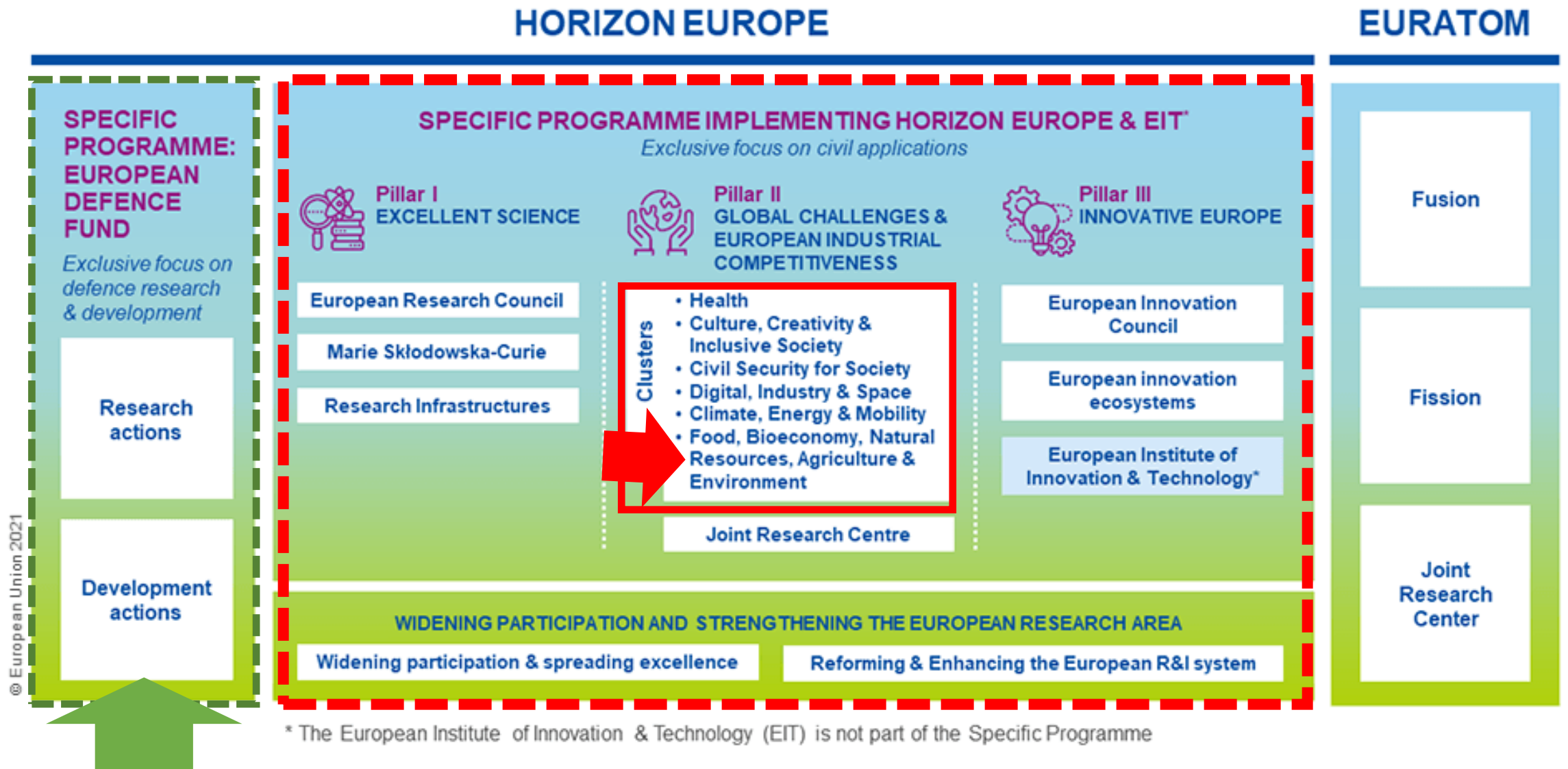
In billion euro, current prices



# ... inside on the Research & Innovation chapter



# Horizon Europe: An evolution, not a revolution?



**Attention:** R&I in technologies applied in the defence domain...



# All EU programmes are following the EC objectives 2021-2024...



2019

EU COMMISSION

CONGRATULATIONS!



PRESIDENT



**Ursula Von der Leyen**  
GERMANY

“ I am convinced: if we close the gaps between us, we will emerge stronger as a Union ”

## Key Priorities

- A European Green Deal
- An economy that works for people
- A Europe fit for the digital age
- A new push for European democracy
- A stronger Europe in the world
- Promoting our European way of life

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A Union that strives for more

My agenda for Europe

*By candidate for President of the European Commission*

**Ursula von der Leyen**

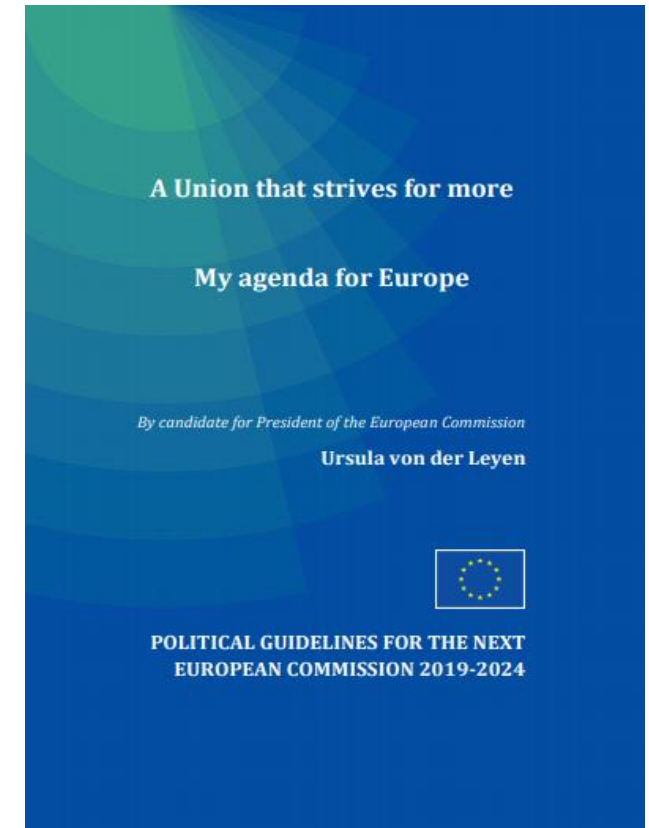


**POLITICAL GUIDELINES FOR THE NEXT  
EUROPEAN COMMISSION 2019-2024**



## ... also applying to the R&D and Innovation programmes!

- ✓ **A European Green Deal** → Goal of 40%→50% emissions reduction by 2030; extend the Emissions Trading System; Carbon Border Tax; leadership in circular economy and clean technologies; Sustainable Europe Investment Plan (EIB); Biodiversity Strategy for 2030; “From farm to fork strategy”; New Circular Economy Action Plan.
- ✓ **An economy that works for people** → [...]European plan to fight cancer; European Gender Strategy; fight against tax fraud, ...
- ✓ **A Europe fit for the digital age** → IoT, 5G, CyberSecurity, full digitalization; Digital Education Action Plan.
- ✓ **Protecting our European way of life** → Migration, reinforcement of FRONTEX, security,...
- ✓ **A stronger Europe in the world** → EU trade agenda, cooperation with neighbouring countries, NATO’s cooperation.
- ✓ **A new push for European democracy** → Closer relation with EU Parliament, transparency.

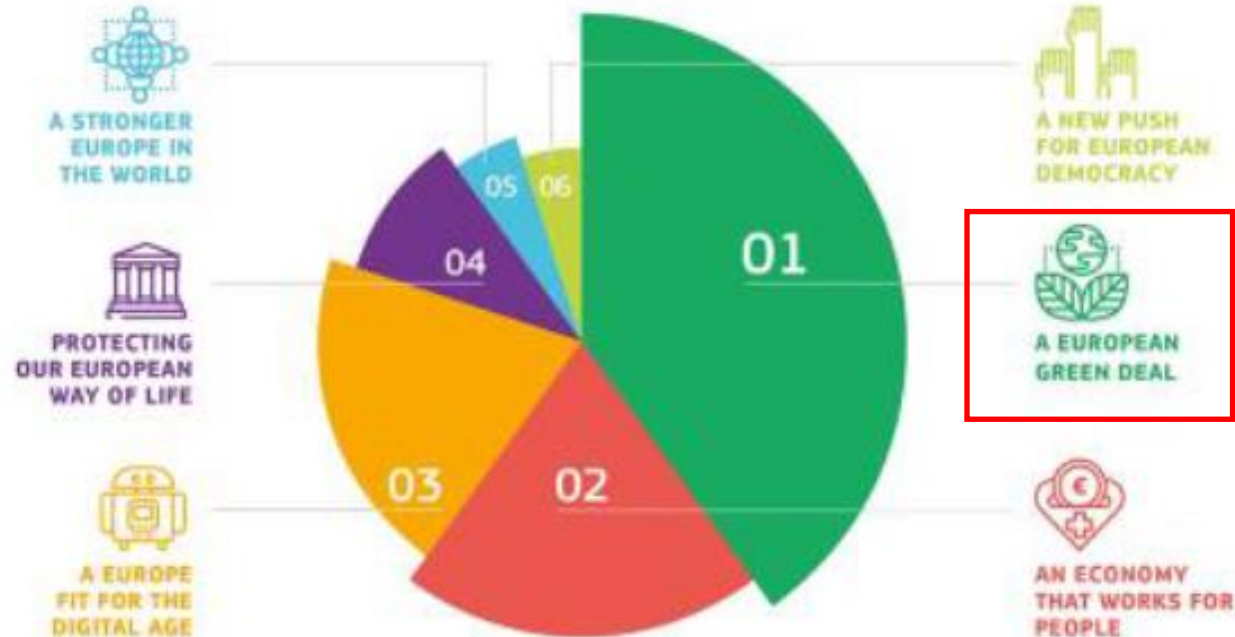


[https://ec.europa.eu/commission/sites/beta-political/files/political-guidelines-next-commission\\_en.pdf](https://ec.europa.eu/commission/sites/beta-political/files/political-guidelines-next-commission_en.pdf)

... and influencing both the thematic and Budget allocation!

### Targeted impacts by priority

## Horizon Europe targeted impacts\* supporting the Political guidelines of the Commission



## Other aspects further than R&I...

- The **inclusion of gender perspectives** will enable better quality and higher societal relevance of research and innovation activities.
- Interdisciplinarity and **inclusion of Social Sciences and Humanities (SSH)** aspects is a prerequisite for addressing a number of societal challenges, which are cross-cutting by nature and should be actively implemented throughout the whole research programme.
- The mainstreaming of open science across activities will increase efficiency, quality, reliability and creativity of research and innovation, enhance transparency and relevance and enable dissemination of results.
- **Dissemination and exploitation of results** will be supported through targeted support actions to reach relevant stakeholders.
- Circulation of knowledge between **research, industry, education and training,** and the balance between research and innovation, is ensured throughout the design of Horizon Europe activities.
- Key enabling technologies will be supported to enhance Europe's competitiveness in **strategic value chains.**



Q3- 2022

- **Announcement of starting to prepare Strategic planning 2025-2027** by Commissioner Gabriel during the R&I days 2022

Q4-2022 to  
Q1-2023

- **Public consultations to the general public** about what would you want for 2025-2027, how were the first calls of HE,...

Q2- 2023

- Presentation of the results of the Public Consultation and análisis of this inputs...

Q3-Q4  
2023

- Drafting the **“Strategic Programming for HE 2025-2027”**
- Discussions on the **New 10 Partnerships...**

Q1-2024

- **Adoption of the “Strategic Programming for HE 2025-2027”**
- **Starting preparation call texts WPs-2025 (drafts v0)**

Q2-Q3  
2024

- Closing some calls-2024
- **Continuing preparation call texts WPs-2025 (several draft versions)**

Q4 2024

- **Adoption WP-2025** & closing the last calls-2024 (potentially, open of the early calls of the WP-2025)

Q1-Q2 2025

- **Massive opening calls-2025** and first deadlines calls-2025 by Q2 (for the early topics or the 1st stages of two-stages topics)

In the next 12 months...

[https://research-and-innovation.ec.europa.eu/news/all-research-and-innovation-news/commission-proposals-new-candidate-european-partnerships-are-now-public-2023-07-17\\_en](https://research-and-innovation.ec.europa.eu/news/all-research-and-innovation-news/commission-proposals-new-candidate-european-partnerships-are-now-public-2023-07-17_en)

## Commission proposals for new candidate European Partnerships are now public

Preparations of new European Partnerships that will be launched during the second half of Horizon Europe have reached an important milestone this week, when the European Commission presented [10 proposals for new candidate partnerships](#) EN to Member States and Associated Countries:

- Brain Health;
- Forests and Forestry for a Sustainable Future;
- Innovative Materials for EU (I'M for EU);
- In-Orbit Demonstration and Validation;
- Raw Materials for the Green and Digital Transition;
- Resilient Cultural Heritage;
- Social Transformations and Resilience;
- Solar Photovoltaics;
- Textiles of the Future;
- Virtual Worlds.

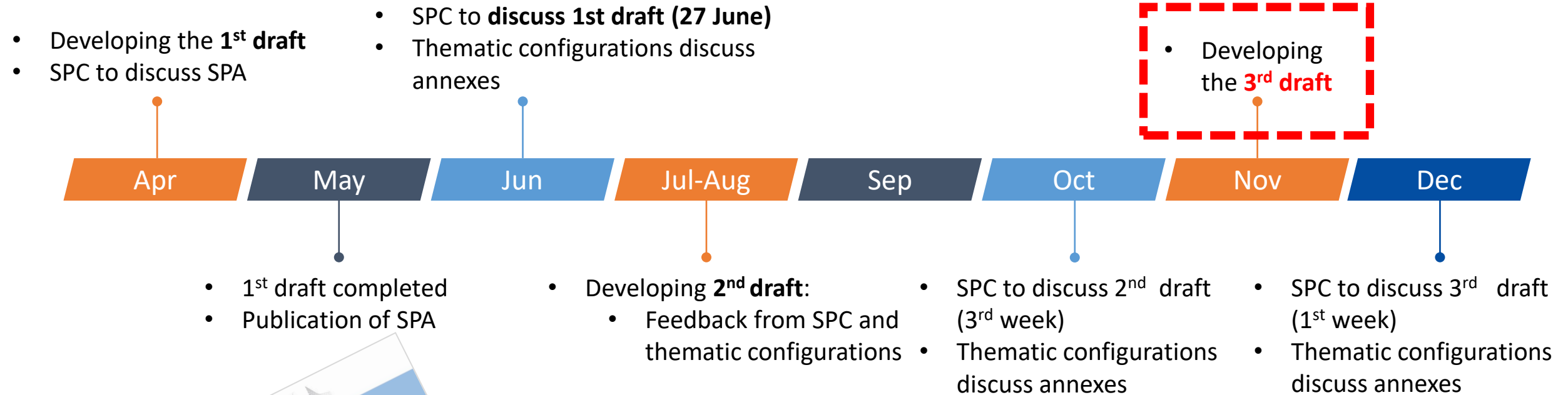
This proposed portfolio will be discussed with Member States and Associated Countries in the coming months and may thus be subject to further changes.



[https://research-and-innovation.ec.europa.eu/system/files/2023-07/ec\\_rtd\\_candidate-list-european-partnerships.pdf](https://research-and-innovation.ec.europa.eu/system/files/2023-07/ec_rtd_candidate-list-european-partnerships.pdf)

# In the next months...

[https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/strategic-plan\\_en](https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/strategic-plan_en)



<https://op.europa.eu/en/publication-detail/-/publication/b3baec75-fdd0-11ed-a05c-01aa75ed71a1/language-en/format-PDF/source-287596143>

↓  
**Q1 2024**  
**Adoption of the SP**

# The two public documents available...



[https://research-and-innovation.ec.europa.eu/system/files/2023-07/ec\\_rtd\\_citizen-engagement-event-summary.pdf](https://research-and-innovation.ec.europa.eu/system/files/2023-07/ec_rtd_citizen-engagement-event-summary.pdf)



<https://op.europa.eu/en/publication-detail/-/publication/b3baec75-fdd0-11ed-a05c-01aa75ed71a1/language-en/format-PDF/source-287596143>

**Final version by Q1-2024**

→ Input for:

- ✓ Draft versión of WP-2025
- ✓ Main guidelines for the Future FP10

**Soil R&I in Horizon Europe is concentrated in  
the SOIL MISSION...**





# Reminder on the R&I Missions in HE...

## R&I Missions

**Connecting to citizens:** Missions will relate EU's research and innovation to society and citizens' needs, with strong visibility and impact

A mission will consist of a portfolio of actions intended to achieve **a bold and inspirational as well as measurable goal** within a set timeframe, with impact for science and technology, society and citizens that goes beyond individual actions.

Horizon Europe proposal defines mission characteristics and criteria

Specific missions will be **co-designed with Member States, stakeholders and citizens** and programmed within the Global Challenges and Industrial Competitiveness pillar (drawing on inputs from other pillars)

**About 10% Budget of Pillar-II** will be devoted to Missions + MMSS contributions & other programmes, initiatives or sources!

Adaptation to climate change, including societal transformation

Mission areas starting in 2021...



Climate-neutral and smart cities

Soil health and food

Potential new Mission on the New EU Bauhaus starting by 2025... BUT still under discusión!

# EU Missions in Horizon Europe

What missions are, the areas they focus on, studies and reports that led to this approach, how to get involved and relevant events.

### PAGE CONTENTS

[What are EU Missions?](#)

[Making Missions happen](#)

[Taking stock two years on: the 2023 assessment of EU Missions and the review of mission areas](#)

[How to get involved](#)

[Contact](#)

[Documents](#)

[Latest](#)

[Events](#)

## What are EU Missions?

EU Missions are a new way to bring concrete solutions to some of our greatest challenges. They have ambitious goals and will deliver concrete results by 2030.

The 5 EU Missions are:

- [Adaptation to Climate Change: support at least 150 European regions and communities become climate resilient by 2030](#)
- [Cancer: working with Europe's Beating Cancer Plan to improve the lives of more than 3 million people by 2030 through prevention, cure and solutions to live longer and better](#)
- [Restore our Ocean and Waters by 2030](#)
- [100 Climate-Neutral and Smart Cities by 2030](#)
- [A Soil Deal for Europe: 100 living labs and lighthouses to lead the transition towards healthy soils by 2030](#)

They put research and innovation into a new role, combined with new forms of governance and collaboration, as well as by engaging citizens.

## EU Mission: A Soil Deal for Europe

What this EU mission is, how EU Missions will be implemented, mission boards, meetings, news, events.

### PAGE CONTENTS

[What this EU Mission deals with](#)

[Mission Soil Manifesto](#)

[Funding opportunities](#)

[What are EU Missions?](#)

[Photo Competition: How do you picture soil?](#)

[Let's play](#)

[Contact](#)

[Video and interactive](#)

[Documents](#)

[Latest](#)

[Events](#)

## What this EU Mission deals with

The main goal of the Mission 'A Soil Deal for Europe' is to establish 100 living labs and lighthouses to lead the transition towards healthy soils by 2030.

Life on Earth depends on healthy soils. Soil is the foundation of our food systems. It provides clean water and habitats for biodiversity while contributing to climate resilience. It supports our cultural heritage and landscapes and is the basis of our economy and prosperity.



[https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/soil-deal-europe\\_en](https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/soil-deal-europe_en)

# Mission boards

Information about the mission areas and the people chairing the mission boards.

## Connie Hedegaard

Adaptation to Climate Change including Societal Transformation



Served as European Commissioner for Climate Action from 2010 to 2014, during which time she led the negotiations towards the adoption of the EU 2030 Climate and Energy Framework and represented the EU in the international climate negotiations.

[Read the biography](#)

## Walter Ricciardi

Cancer



In October 2019 Professor Ricciardi replaced the originally named chair, Professor Harald zur Hausen.

[Read the biography](#)

## Pascal Lamy

Healthy Oceans, Seas, Coastal and inland Waters

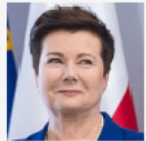


Former European Commissioner for Trade and Director General of the World Trade Organisation from 2005-2013.

[Read the biography](#)

## Hanna Gronkiewicz-Waltz

Climate-Neutral and Smart Cities



Former chair of the Central Bank of Poland, also served as Mayor of Warsaw.

[Read the biography](#)

## Cees Veerman

Soil health and Food



Dutch Minister of Agriculture from 2002 to 2007 and was also President of the EU Council of Agriculture Ministers.

[Read the biography](#)

<https://ec.europa.eu/transparency/expert-groups-register/screen/expert-groups/consult?lang=en&groupID=3816>

GROUP | E03816

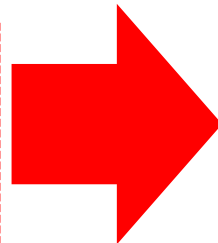
Commission expert group: Mission Board for Soil Deal for Europe Mission (E03816)

ACTIVE

Subscribe to this group

Print as PDF

Details	Additional Information	Meetings	Subgroups	Members	Statistics
<b>Abbreviation</b> -					
<b>Lead DG</b> ▶ RTD - DG Research and Innovation					
<b>Type</b> ▶ Informal ▶ Temporary					
<b>Mission</b> According to Article 7 (3) of the Specific Programme implementing Horizon Europe : the task of the Mission Boards shall be to advise the Commission upon all or some of the following aspects: (a) the identification and design of one or more missions in the respective mission area according to the provisions and criteria set out in Article 8 of Regulation (EU) 2021/695; (b) content of work programmes and their revision as needed for achieving the mission objectives, with input from stakeholders and, where relevant, the general public; (c) the characteristics of project portfolios for missions; (d) adjustment actions, or termination, if appropriate, based on implementation assessments according to the defined objectives of the mission; (e) the selection of independent external experts in accordance with Article 49 of Regulation (EU) 2021/695, briefing of these independent external experts and evaluation criteria and their weighting; (f) framework conditions which help achieve the objectives of the mission; (g) communication, including on the performance and the achievements of the mission; (h) policy coordination between relevant actors at different levels, in particular regarding synergies with other Union policies; (i) key performance indicators. Within the frame of these tasks, the Mission Board shall focus more specifically on points (f), (g), (h) and (i).					
<b>Terms of reference</b> <a href="#">Terms of reference</a>					
<b>Publication on the register of expert groups</b> 05 January 2022					
<b>Contact</b> CINEA-HE-MISSION-BOARD-ADMIN@ec.europa.eu					
				<b>Policy Area</b> ▶ Agriculture ▶ Research and Innovation	
				<b>Associated DG</b> ▶ AGRI - DG Agriculture and Rural Development	
				<b>Scope</b> ▶ Broad	
				<b>Task</b> ▶ Assist the Commission in the preparation of legislative proposals and policy initiatives	
				<b>Link to Website</b> -	
				<b>Last updated</b> 02 October 2023	





# What is in Missions for research and industry



## The Mission 'A Soil Deal for Europe': 100 living labs and lighthouses to lead the transition towards healthy soils

### THE MISSION 'A SOIL DEAL FOR EUROPE' EXPLAINED

Missions are a novelty of the EU research and innovation programme, Horizon Europe. They are a new way of bringing concrete solutions to some of our greatest challenges. Restoring and maintaining soil health is one of these major societal challenges.

**Life on Earth depends on healthy soils.** Soils are not only the foundation of our food systems. They also provide clean water and habitats for biodiversity while contributing to climate resilience.

Although we take soils for granted, they are a scarce, threatened resource. It is estimated that between 60 and 70% of EU soils are unhealthy. Indeed, one centimeter of soil can take hundreds of years to form, but can be lost in just a single rainstorm or industrial incident.

The Mission 'A Soil Deal for Europe'<sup>1</sup> will support the transition towards healthy soils by 2030 by putting in place an effective **network of**

**100 living labs and lighthouses** in rural and urban areas. In addition to **creating knowledge and solutions for soil health**, the Mission will advance the development of a harmonised framework for **soil monitoring** in Europe and **increase people's awareness** on the vital importance of soils.

The Mission is firmly embedded in the wider EU policy frameworks: it will contribute to Europe's ambition to become the first climate-neutral continent by 2050 and is an integral part of a number of Green Deal strategies<sup>2</sup>. Together with the EU Soil Strategy and the recently launched European Soil Observatory (EUSO), the Mission will carry out comprehensive actions for sustainable soil management and soil restoration across a range of land uses (e.g. agriculture, forestry, urban areas, natural/semi-natural areas). The Mission will be implemented in synergy with the Common Agricultural Policy (CAP) to increase the uptake and the effectiveness of soil related measures funded under the CAP.



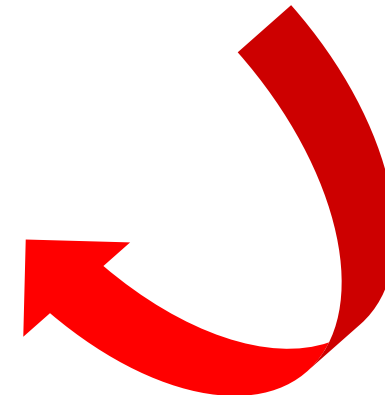
## Soil Deal for Europe



The soil functional (micro)biome and its potential to deliver improved soil health and associated ecosystem services.



100 living labs: user-centered, placed-based transdisciplinary research ecosystems to co-design, test, monitor and evaluate solutions in real-life settings, to improve their effectiveness for soil health and accelerate adoption.





## View available work programmes

2023 - 24

6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - General introduction English (1.48 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - EU Missions English (1.69 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Cluster 1 English (1.48 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Cluster 2 English (1.48 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Cluster 3 English (1.48 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Cluster 4 English (1.48 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Cluster 5 English (4.14 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Cluster 6 English (4.63 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - European Innovation Ecosystems English (801.68 KB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - MSCA English (1.79 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Infrastructures English (1.36 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - WIDERA English (1.51 MB - PDF)	Download
6 DECEMBER 2022 Horizon Europe Work programme (2023-24) - Annexes English (942.84 KB - PDF)	Download

Call-2023 for applications closed on 20-Sep-2023...

We are working on the call-2024!

## Horizon Europe work programmes

What work programmes are, what they cover, download available Horizon Europe work programmes.

### PAGE CONTENTS

[Work programmes under Horizon Europe](#)

[View available work programmes](#)

## Work programmes under Horizon Europe

Work programmes set out funding opportunities under Horizon Europe.

One specific programme under Horizon Europe is implemented through the following:

The main work programme

- Marie Skłodowska-Curie actions and research infrastructures under Pillar I
- all clusters under Pillar II
- European innovation ecosystems under Pillar III
- the part widening participation and strengthening the European Research Area

Other work programmes cover

- European Research Council (ERC)
- Joint Research Centre (JRC)
- European Innovation Council (EIC)

A significant part of Pillar II of Horizon Europe will be implemented through institutionalised partnerships, particularly in the areas of Mobility, Energy, Digital and Bio-based economy, which will also have separate work programmes.

The activities of the [European Institute of Technology \(EIT\)](#) are set out in separate programming documents.

[https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/horizon-europe-work-programmes\\_en](https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/horizon-europe-work-programmes_en)

# Information events...

<https://research-innovation-community.ec.europa.eu/events/1nVczf9ihgPdOg3zyoLyuC/overview>

## The research and innovation community platform

Connecting researchers across borders and disciplines. Take part in events, access exclusive content, widen your network.

Home Events Community How it works

REWATCH

### EU Missions info days

The event aims to inform potential applicants about the new topics included in the EU Missions work programme 2023

17 January 2023 - 18 January 2023

09:00 (GMT+01:00)

1335 members are attending this event

Log in Register now

## About the event

You can watch the recordings of the event on the [Programme](#) page.

Are you interested in funding opportunities for projects helping to reach the [EU Missions goals](#) in the areas of health, climate and the environment? Would you like to contribute to bring concrete solutions to some of the greatest challenges facing our society?

Join us online and learn more about the new calls in the Missions' part of the main Work Programme 2023 under Horizon Europe for each mission:

- Adaptation to Climate Change Mission
- Cancer Mission
- 100 Climate-Neutral and Smart cities by 2030 Mission
- Restore our Ocean and Waters by 2030 Mission
- A Soil Deal for Europe Mission

The EU Missions part of the main work programme 2023 under Horizon Europe contains new mission specific calls and topics to support the full implementation of missions according to their implementation plans. In addition, three joint calls created to favour synergies across missions and achieve their impacts will be presented.



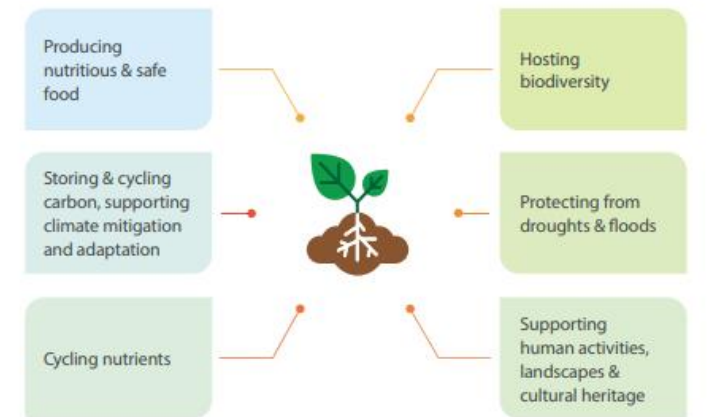
**WHAT IS THE EU MISSION: A SOIL DEAL FOR EUROPE**

The Mission 'A Soil Deal for Europe' is an ambitious, innovative instrument launched in 2021<sup>1</sup> by the European Commission to accelerate the development and large-scale deployment of solutions for sustainable land and soil management as part of a wider, green transition. Together with the Soil Strategy, the upcoming Soil Health Law, the EU Soil Observatory and climate policies (such as for carbon farming) the Mission is part of a robust framework for soil protection in the EU.

While rooted in the EU research and innovation programme, Horizon Europe, the Mission serves as a mechanism to enhance synergies with other EU programmes such as the Common Agricultural Policy and to team up with stakeholders in Member States, EU Associated Countries and global partners.

**WHY A MISSION ON SOIL**

**Life on Earth depends on healthy soils:** they are the basis of our food and provide other vital ecosystem services.



<sup>1</sup> [https://ec.europa.eu/info/files/communication-commission-european-missions\\_en](https://ec.europa.eu/info/files/communication-commission-european-missions_en)

# Synergies among missions

- Under discussion (also taking account administrative practicability): Joint topics with Missions
- **Cancer:** aspects of soil pollution, exposure pathways and impact on human health
- **Oceans:** reduction loss of nutrients in agriculture and prevent water contamination from nutrients
- **Oceans and Climate Adaptation:** Integrated approach to landscape, soil and water management; boosting landscape water retention capacity and resilience to climate change impacts





<https://www.europeanmissionsoilweek2023.com/en/index>



## European Mission Soil Week

Leading the transition towards healthy soils

The **European Mission Soil Week** is an annual event aimed at promoting the Horizon Europe Mission 'A Soil Deal for Europe' (**Mission Soil**) raising awareness about the importance of soil health, and driving action to protect and restore our soils.

The **European Mission Soil Week**, organised by the European Commission, Directorate-General for Agriculture and Rural Development (**DG AGRI**) in the context of the Mission Soil together with the EU funded project **PREPSOIL** and the Joint Research Centre - EU Soil Observatory (**EUSO**) will be held from **21 to 23 November 2023**. The conference will be locally hosted by **INIA-CSIC** at the central facilities of the Spanish National Research Council (CSIC) in **Madrid, Spain**, under the **Spanish Presidency of the EU Council**.

**The European Mission Soil Week** is a major European gathering that brings together the European soil community. Researchers, policymakers, farmers, foresters, spatial planners, landowners and land managers, businesses, and organisations as well as the general public will meet to **discuss the challenges for making and keeping EU soils healthy**.

The event will be an opportunity to communicate and disseminate solutions based on the latest research results and innovations for healthy soils. Therefore, the European Mission Soil Week will bring together and mobilise communities to protect and restore soil health.

This first edition of the European Mission Soil Week is particularly significant in the context of the proposed EU Directive on Soil Monitoring and Resilience. The Commission's proposal was published on 5 July 2023 with the aim to ensure healthy soils by 2050, in close connection with the Mission Soil goals and the support the Mission can provide to reach the objectives promoted by the Directive.



Many thanks!

