

ACCESS TO EU RESEARCH FUNDING BY STIMULATING AND DEMONSTRATING SOCIETAL IMPACT (2021)

December 8, 2021

EU Missions in the Horizon Europe

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LINO
Lithuanian RDI Liaison Office

AESIS
NETWORK FOR
ADVANCING & EVALUATING THE SOCIETAL IMPACT OF SCIENCE
1

Since 2017

LINO

Lithuanian RDI Liaison Office



**Information exchange
(policy issues + project opportunities)**



**Promotion of the Lithuanian RDI
strengths and interests (dissemination +
targeted events)**



**Facilitation of interaction and networking
(EU institutions + European organisations
+ Liaison Offices)**

<http://lino.lmt.lt/en/>



Research
Council of
Lithuania



2014-2020 Operational
Programme for the
European Union Funds
Investments in Lithuania

IGLO
INFORMAL GROUP OF
RTD LIAISON OFFICES

LINO

Lithuanian RDI Liaison Office

So far...

10:00 - 11:30 CET

**EIC Accelerator -
evaluation of the projects and
requirements for the evaluators**



27 May 2021 - 1 June 2021
virtual event, Slovakia

**MOBILITY & TRANSPORT
DAYS - virtual information &
brokerage event**



Participants: Gintas Kimlys, Algirdas Monkevicius, Sigita Mekus, Mantas Vilys, Rota Stankeviciene, Brigita-Serafinaviciute, Vaidotas Bernutis, Zygmantas Valcunias, Romas Baronas, Kristijonas Vizbaras, Juras Banyis, Gintaras Valindius, Gedminas.

**SOCIAL SCIENCES
AND HUMANITIES IN
HORIZON EUROPE**

Diving into the
opportunities

Webinar and Networking Event
2 June 2021 | 9.30 - 13.00 CEST

- More than **80** international events
- Almost **4 500** participants from Lithuania and abroad



May 21, 2021
10:00-11:00 CEST (Brussels time)
WEBINAR

**Security Appraisal in
Horizon Europe**



**BROKERAGE ON HORIZON EUROPE
CLUSTER 3 SECURITY RELATED
TOPICS**

JUNE 29TH 9:00 - 12:00 (CEST/BRUSSELS TIME)
ON-LINE EVENT



How well do you know EU MISSIONS?



Question to the audience

DEFINING AND CONTEXTUALISING EU MISSIONS IN HORIZON EUROPE

- What are EU Missions?
- How did we get to the 5 EU Missions?
- Making Missions happen: current status
- How to get involved?

https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe_en



EUROPEAN UNION

EU MISSIONS



Concrete solutions for our greatest challenges

#EUmissions #HorizonEU

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.**

They will deliver **impact** by putting research and innovation into a new role, combined with new forms of governance and collaboration, as well as by engaging citizens.

EU Missions are a **novelty** of the Horizon Europe research and innovation programme for the years 2021-2027.

They support Commission priorities, such as the [European Green Deal](#), [Europe fit for the Digital Age](#), [Beating Cancer](#) and the [New European Bauhaus](#). For instance, Mission Climate is already a concrete element of the new [Climate Adaptation Strategy](#), Mission Cancer of the Europe's [Beating Cancer Plan](#) and the Mission Soil is a flagship initiative of the [Long-term Vision for the EU's Rural Areas](#).



Cancer



Adaptation to
Climate Change



Restore our Ocean
and Waters



Climate-neutral and
Smart Cities



Soil Deal
for Europe



Adaptation to Climate Change



Support at least 150 European regions and communities to become climate resilient by 2030

- Preparing and planning for climate resilience
- accelerating transformations to climate resilience
- demonstrating systemic transformations to climate resilience (75 large-scale demonstrations of systemic transformations to climate resilience across European regions and communities)



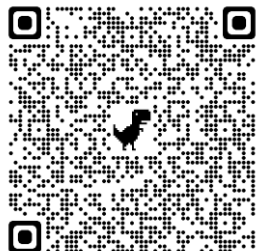


Climate Neutral and Smart Cities



Deliver at least 100 climate-neutral and smart European cities by 2030 and these cities should act as demonstration and innovation hubs to allow for all European cities to become climate-neutral by 2050

- Cities can contribute to our European Green Deal targets to reduce GHG emissions by 55% by 2030 - leading in climate and digital innovation
- Huge co-benefits to their citizens – lower energy bills, cleaner air, safer walking and biking in cities, less congestion





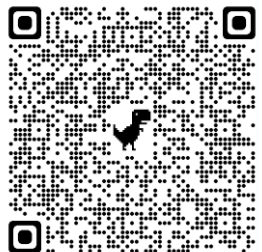
Cancer



Improve the lives of more than 3 million people by 2030 through prevention, cure and for those affected by cancer including their families, to live longer and better

- Improve the understanding of cancer
- Prevention, including early detection and screening
- Optimise diagnostics and treatment
- Support the quality of life

Provide a vital research and policy development support for the **Europe's beating cancer plan**





Restore our Ocean and Waters



Restore the health of our ocean and waters by 2030

- Protect and restore marine and fresh water ecosystems and biodiversity
- Prevent and eliminate pollution of our ocean, seas and waters, and
- Make the sustainable blue economy carbon-neutral and circular





Soil Deal for Europe



Create 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

- Protect and restore soils in Europe and beyond
- Put communities and stakeholders at the centre of the innovation process to co-create knowledge and solutions in real-life conditions
- Have to act together so that future generations inherit clean, productive and resilient soils for food, people, nature and climate



How did we get to the 5 EU Missions?



On 3 July 2017, the High Level Group on maximising impact of EU Research and Innovation Programmes, chaired by Pascal Lamy, published its final report „LAB-FAB-APP“

The High Level Group summarised 11 recommendations including:

- Designing an R&I Programme for **greater impact**
- Adopting a **mission-oriented, impact-focused approach** to address global challenges



Lamy LAB-FAB-APP report:

https://ec.europa.eu/research/evaluations/pdf/archive/other_reports_studies_and_documents/hlg_2017_report.pdf

This economist has a plan to fix capitalism. It's time we all listened

Mariana Mazzucato has demonstrated that the real driver of innovation isn't lone geniuses but state investment. Now she's working with the UK government, EU and UN to apply her moonshot approach to the world's biggest challenges



MATT HOLYOAK

“When people talk about missions, I always warn them: if this is something that makes you feel comfortable and happy and cosy, then you haven't understood it, because it's actually about fundamentally changing how we think about innovation.”

<https://www.wired.co.uk/article/mariana-mazzucato>



MISSIONS

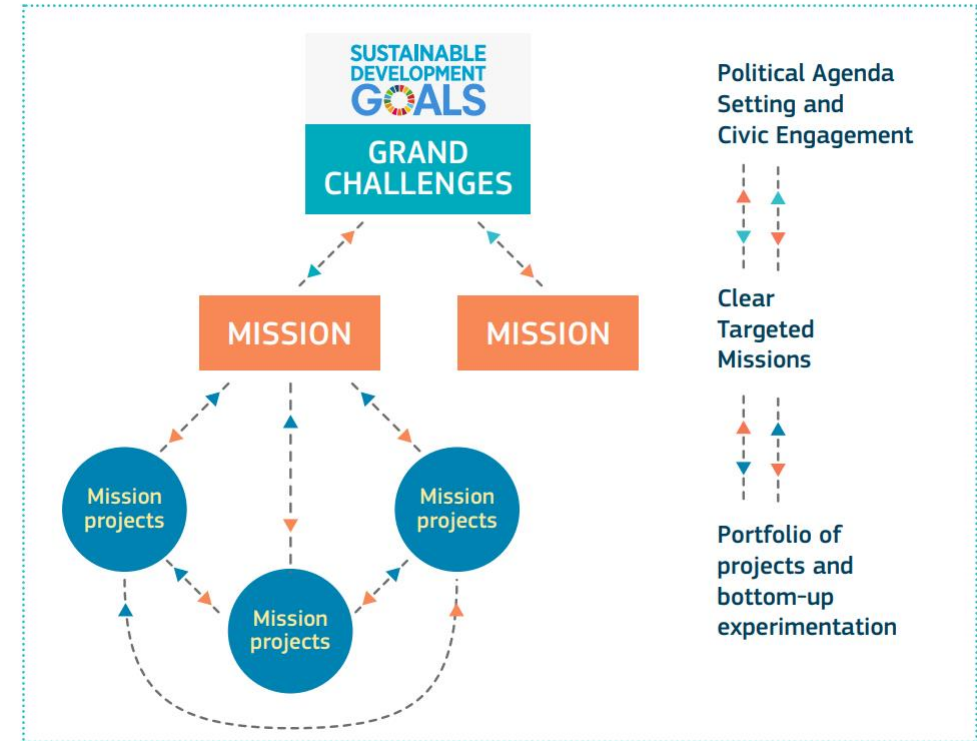
Mission-Oriented Research & Innovation in the European Union

A problem-solving approach to fuel innovation-led growth

by Mariana MAZZUCATO



Mazzucato report
FEBRUARY 2018



All expert reports that build the ground to EU Missions:

https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe/mission-oriented-policy-studies-and-reports_en

Lessons Learned

from Horizon 2020 Interim Evaluation



Support breakthrough innovation



Create more impact through mission-orientation and citizens' involvement



Strengthen international cooperation



Reinforce openness



Rationalise the funding landscape



Encourage participation



Key Novelties

in Horizon Europe

European Innovation Council

R&I Missions

Extended association possibilities

Open science policy

New approach to Partnerships

Spreading Excellence



Create more impact through
mission-orientation and citizens'
involvement



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 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 (competing solutions)
- **Codesign** with MS + stakeholders + citizens and programmed, EP involved in Strategic Planning (exchange of views)
- Mission areas
- Mission Boards, Mission Assemblies

Adaptation to climate change, including societal transformation

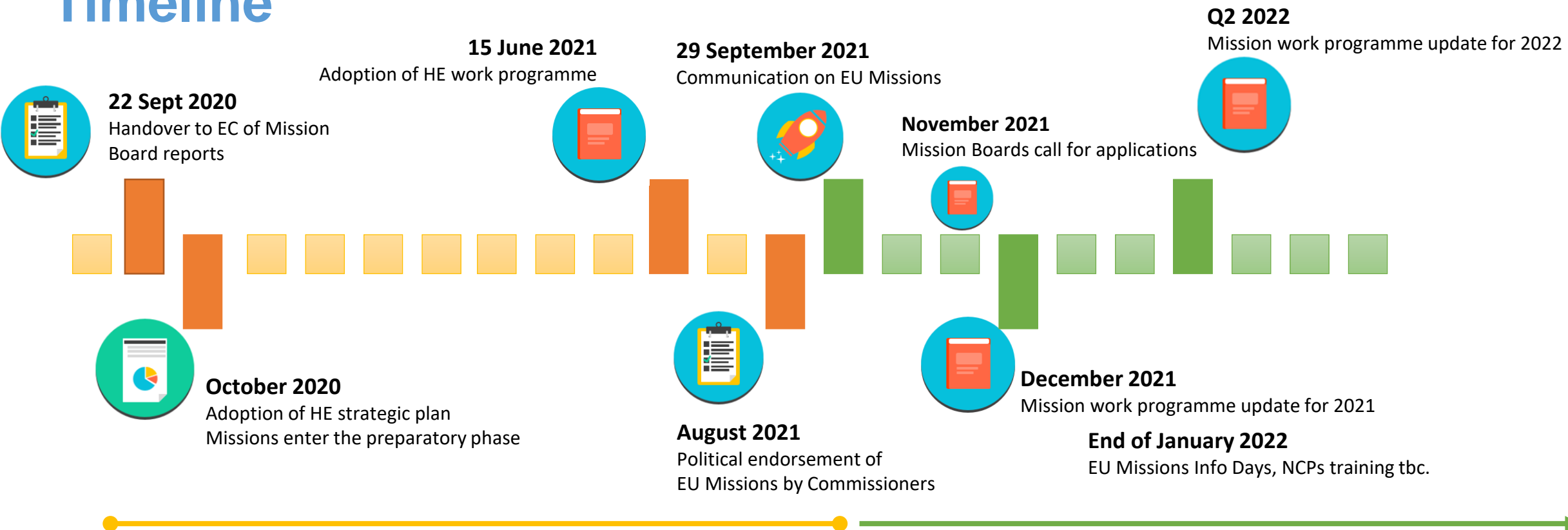


- In 2019, five Mission Boards were formed to help specify, design and start the implementation of Missions for Horizon Europe. Their mandate ends at the end of 2021.
- https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/missions-horizon-europe/mission-boards_en
- Each mission area was also supported by the Missions' design phase by an assembly that gathered a larger number of high-level experts.
- The Commission engaged with citizens in a continuous process for the design, monitoring and assessment of the Missions.





Timeline



Missions' preparatory phase:

Preparation of solid implementation plans
 Preparatory actions in the WP to lay foundation for missions' implementation

Missions' implementation phase:

Two Missions work programme amendments (Q4 2021, Q2 2022) to start missions implementation on the ground.

Launch of European Missions

- On 29 September the Commission adopted a **Communication on EU Missions** that officially launched missions into their implementation phase
- The **implementation plans** set the grounds to make missions a reality
- EU Missions have ambitious goals and will deliver concrete **results by 2030**





Communication on European Missions



The climate and health crises tackled through new and innovative way of working together and improve the lives of people in Europe and beyond.



- **rooted in research and innovation**, aiming to address **societal challenges** and reconnect citizens with the EU



- directly **support EU priorities** such as the European Green Deal, Europe's Beating Cancer Plan and the New European Bauhaus etc.



- across policy areas, fields of expertise and science, engaging with companies, local communities and the innovation community



Delivering impact through:

- ***A new role for research and innovation***
- ***An 'all-in' approach***
- ***A new relationship with citizens***



Clara de la Torre

Deputy Director-General at Directorate General for Climate Action (DG CLIMA)

Mission manager for the Adaptation to Climate Change mission



Joanna Drake

Deputy Director-General at Directorate-General for Research and Innovation (DG RTD)

Mission manager for the Cancer mission



Christos Economou

Acting Director at Directorate-General for Maritime Affairs Fisheries (DG MARE)

Mission manager for the Restore our Ocean and Waters mission



Matthew Baldwin

Deputy Director-General at Directorate-General for Mobility and Transport (DG MOVE)

Mission manager for the Climate-Neutral and Smart Cities mission



Nathalie Sauze-Vandevyver

Director at Directorate General for Agriculture and Rural Development (DG AGRI)

Mission manager for the Soil Deal for Europe mission

In February 2021, mission managers were appointed in the European Commission to lead EU Missions and be their public face.

How to get involved?

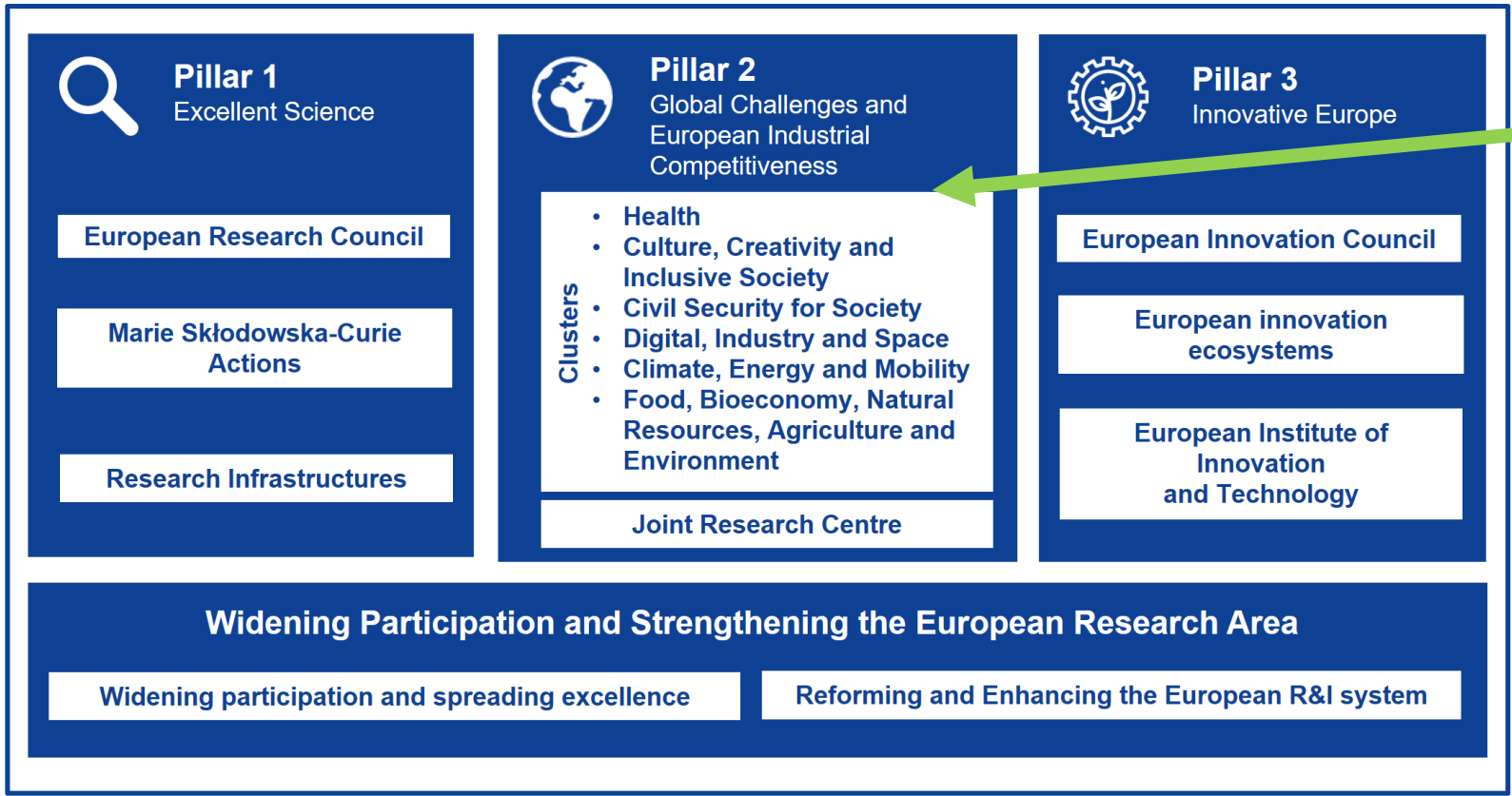




Mission Boards 2021

- The new call for expressions of interest for Mission Board members planned to be launched very soon
- The Mission Boards will play a vital role in advising on the full implementation of the EU Missions, building on the work of the first phase Mission Boards
- Each Mission Board will consist of up to 15 experts, including Chair

Specific objectives of the Programme



EU MISSIONS



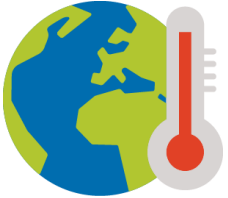
- HE Mission Calls - different opportunities at different levels
 - A first set of preparatory calls was published in June and a new update for 2021 will be published by the end of the year with a larger amount for Research and Innovation and Innovation actions
 - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents;programCode=HORIZON>:
 - “Work programme & call documents” -> 2021-2022-> HE Main Work Programme 2021-2022 -> 12. Missions
- Follow Info Days in January 2022 (tbc.)
- Implementation Plans
https://ec.europa.eu/info/publications/implementation-plans-eu-missions_en

Video inspirations



Cancer

https://youtu.be/_vrWyl7qErc



Adaptation to
Climate Change

<https://youtu.be/KlvjfPgWdKg>



Restore our Ocean
and Waters

<https://youtu.be/L-rIQyhQajl>



Climate-neutral and
Smart Cities

<https://youtu.be/HoqZ7QeEIHU>

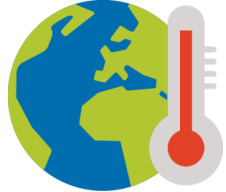


Soil Deal
for Europe

<https://youtu.be/53bbzE2lpKc>



What is in Missions for research and industry?



Adaptation to Climate Change



Improving the performance of nature based solution and develop protocols for their implementation



Increasing and facilitating uptake of nature based solutions through the use of public procurement. Pre-Commercial Procurements and Public Procurement of Innovation



Cancer



Understand healthy versus cancer cells at individual and population level



Develop non-invasive cancer screening and detection methodologies



Restore our Ocean and Waters



Increase our knowledge of our oceans and water life, including DNA sequencing to unravel microbiomes of marine and coastal ecosystems



Innovative, affordable and scalable technologies for remote and accurate monitoring of fishing activities



What is in Missions for research and industry?



100 Climate Neutral and Smart Cities



Developing new urban planning and design practices to enable transition to sustainability, resilient, climate neutral and human centred solutions



Large scale pilots acting as demonstrators for deployment of R&I and off the shelf solutions in lead European cities and districts



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

IN SUMMARY

Impact is at the heart of EU Missions.

It's a co-creation process.

Collaborative effort can bring concrete results.

Questions & Discussion



Thank you and let's stay connected!

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Lino Office channel

<https://bit.ly/3z5YlgW>



Research
Council of
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2014-2020 Operational
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