



EUROPEAN UNION

EU MISSIONS



Concrete solutions for our greatest challenges

EU Missions: (im)possible - Baltic webinar on EU Missions

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DG Research and Innovation

#EUmissions #HorizonEU



Communication on 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

Main content:

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





Communication on European Missions

How will EU Missions operate?

Delivering impact through:

A new role for research and innovation

An 'all-in' approach

A new relationship with citizens



Five EU Missions

Adaptation to
Climate Change



Cancer



Climate-neutral
and Smart Cities



Soil Deal
for Europe



Restore our
Ocean and Waters



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)



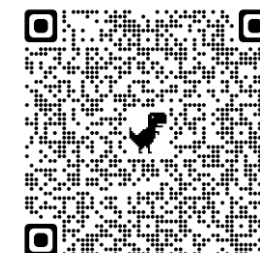


Climate Neutral and Smart Cities



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





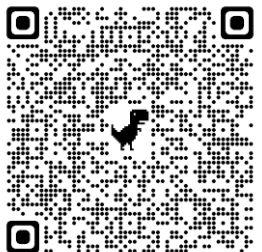
Cancer



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



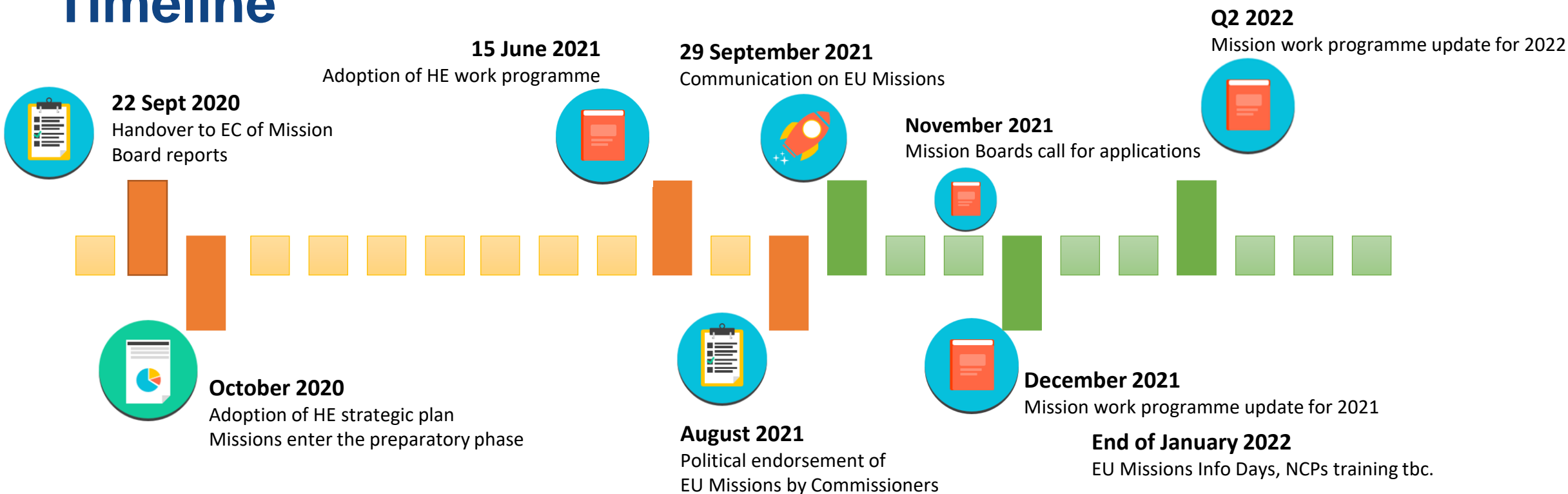
Create 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

- 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





Timeline



Missions' preparatory phase:

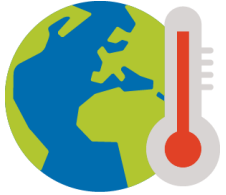
Preparation of solid implementation plans
Preparatory actions in the WP to lay foundation for missions' implementation

Missions' implementation phase:

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



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



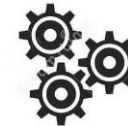
Develop non-invasive cancer screening and detection methodologies



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



Working with Member States

- Strong support for missions already signaled – now needs channeling
- Missions' success depends on a combined approach
 - compelling vision would be for aligning priorities and policies; joining resources; linking programmes; parallel actions
 - need also to maintain flexibility and retain separate domains of control – no one size fits all and limits to top-down mechanisms
 - could expect to see specialization by countries and clusters of countries



What is needed for working with Member States?

- Information and awareness together with strategic intelligence will lay the foundations
- Priorities should be developed jointly, drawing on common understanding
- Connecting policy and implementation across multiple areas
- Implementation requires commitment of adequate resources
- Citizens support at the level of implementation and monitoring is key to the design
- Delivering results at the local level is core to the missions' values



Possible tools

- Learn what works and in which contexts – share good practice
- Identify appropriate structures for discussion and reaching common positions, both existing and possible new
- Create shared systems of indicators and monitoring to track performance
- Access regional networks and support mechanisms



How to get involved?

- Implementation Plans
- 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
- Follow Info Days in January 2022 (tbc.)



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



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Thank you!

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