



EU to set up new European Partnerships and invest nearly €10 billion for the green and digital transition

Brussels, 23 February 2021

The Commission proposed today to set up 10 new [European Partnerships](#) between the European Union, Member States and/or the industry. The goal is to speed up the transition towards a green, climate neutral and digital Europe, and to make European industry more resilient and competitive. The EU will provide nearly €10 billion of funding that the partners will match with at least an equivalent amount of investment. This combined contribution is expected to mobilise additional investments in support of the transitions, and create long-term positive impacts on employment, the environment and society.

The proposed Institutionalised European Partnerships aim to improve EU preparedness and response to infectious diseases, develop efficient low-carbon aircraft for clean aviation, support the use of renewable biological raw materials in energy production, ensure European leadership in digital technologies and infrastructures, and make rail transport more competitive.

The ten Partnerships, some of which are building on existing [joint undertakings](#), are the following:

1. **Global Health EDCTP3:** This partnership will deliver new solutions for reducing the burden of infectious diseases in sub-Saharan Africa, and strengthen research capacities to prepare and respond to re-emerging infectious diseases in sub-Saharan Africa and across the world. By 2030, it aims to develop and deploy at least two new technologies tackling infectious diseases, and support at least 100 research institutes in 30 countries to develop additional health technologies against re-emerging epidemics.
2. **Innovative Health Initiative:** This initiative will help create an EU-wide health research and innovation ecosystem that facilitates the translation of scientific knowledge into tangible innovations. It will cover prevention, diagnostics, treatment and disease management. The initiative will contribute to reaching the objectives of [Europe's Beating Cancer Plan](#), the [new Industrial Strategy for Europe](#) and the [Pharmaceutical Strategy for Europe](#).
3. **Key Digital Technologies:** They encompass electronic components, their design, manufacture and integration in systems and the software that defines how they work. The overarching objective of this partnership is to support the digital transformation of all economic and societal sectors and the [European Green Deal](#), as well as support research and innovation towards the next generation of microprocessors. Together with the [Declaration](#) on a European Initiative on processors and semiconductor technologies signed by 20 Member States, an upcoming Alliance on microelectronics, and a possible new Important Project of Common European Interest under discussion by Member States to foster breakthrough innovation, this new partnership will help boost competitiveness and Europe's technological sovereignty. More information is available [here](#).
4. **Circular Bio-based Europe:** This partnership will contribute significantly to the 2030 climate targets, paving the way for climate neutrality by 2050, and will increase the sustainability and circularity of production and consumption systems, in line with the European Green Deal. It aims to develop and expand the sustainable sourcing and conversion of biomass into bio-based products as well as to support the deployment of bio-based innovation at regional level with the active involvement of local actors and with a view to reviving rural, coastal and peripheral regions.
5. **Clean Hydrogen:** This partnership will accelerate the development and deployment of a European value chain for clean hydrogen technologies, contributing to sustainable, decarbonised and fully integrated energy systems. Together with the Hydrogen Alliance, it will contribute to the achievement of the Union's objectives put forward in the [EU hydrogen strategy for a climate-neutral Europe](#). It will focus on producing, distributing and storing clean hydrogen and, on supplying sectors that are hard to decarbonise, such as heavy industries and heavy-duty transport applications.
6. **Clean Aviation:** This partnership puts aviation en route to climate neutrality, by accelerating

the development and deployment of disruptive research and innovation solutions. It aims to develop the next generation of ultra-efficient low-carbon aircraft, with novel power sources, engines, and systems, improving competitiveness and employment in the aviation sector that will be especially important for the recovery.

7. **Europe's Rail:** This partnership will speed up the development and deployment of innovative technologies, especially digital and automation ones, to achieve the radical transformation of the rail system and deliver on the European Green Deal objectives. By improving competitiveness, it will support European technological leadership in rail.
8. **Single European Sky ATM Research 3:** The initiative aims to accelerate the technological transformation of air traffic management in Europe, aligning it to the digital age, to make the European airspace the most efficient and environmentally friendly sky to fly in the world and to support the competitiveness and recovery of Europe's aviation sector following the coronavirus crisis.
9. **Smart Networks and Services:** This partnership will support technological sovereignty for smart networks and services in line with the new industrial strategy for Europe, the [new EU Cybersecurity Strategy](#) and the [5G Toolbox](#). It aims to help resolve societal challenges and to enable the digital and green transition, as well as support technologies that will contribute to the economic recovery. It will also enable European players to develop the technology capacities for 6G systems as a basis for future digital services towards 2030. More information is available [here](#).
10. **Metrology:** This partnership aims to accelerate Europe's global lead in metrology research, establishing self-sustaining European metrology networks aimed at supporting and stimulating new innovative products, responding to societal challenges and enabling effective design and implementation of regulation and standards underpinning public policies.

Members of the College said:

Margrethe **Vestager**, Executive Vice-President for a Europe fit for the Digital Age, said: *"We are at our best in Europe when we work together. This is particularly important when it comes to mastering the challenges of the digital transformation. It affects us all, and does not stop at national borders. Just like climate change. The partnerships proposed today will mobilise resources, so that we can jointly make the most of digital technologies, not least in the interest of our green transition."*

Mariya **Gabriel**, Commissioner for Innovation, Research, Culture, Education and Youth said: *"The challenge of the coronavirus pandemic added urgency to our long-standing endeavours to better use research and innovation to tackle health emergencies, climate change and digital transformation. European Partnerships are our opportunity to work together to respond and shape the profound economic and social transformations, for the benefit of all EU citizens."*

Thierry **Breton**, Commissioner for Internal Market, added: *"Investing in innovation is investing in our ability to be at the forefront of technological developments and develop strategic capacities. We must seize the opportunities brought by key developing technologies such as microprocessors or semiconductors so that Europe can be at the forefront of digital innovation on a global scale. These new joint approaches will be instrumental in supporting our industry for achieving our digital and green ambitions."*

Adina **Vălean**, Commissioner for Transport, said: *"EU partnerships will have a central role to drive the twin green and digital transition for the mobility and transport sector. To make our ambitions come true, we need to develop disruptive technologies bringing zero-emission vessels and aircraft to the market, we need to develop and deploy cooperative, connected and automated mobility, and we need to enable a more efficient and modern traffic management."*

Next steps

The proposal for a Regulation, the Single Basic Act, establishing nine joint undertakings based on Article 187 of the Treaty on the Functioning of the European Union (TFEU) will be adopted by the Council of the European Union, following consultation with the European Parliament and the Economic and Social Committee. The separate proposal for the Metrology partnership based on Article 185 TFEU will be adopted by a decision of the European Parliament and the Council, following consultation with the Economic and Social Committee.

Background

The European Partnerships are approaches provided by [Horizon Europe](#), the new EU research and innovation programme (2021-2027). They aim to improve and accelerate the development and uptake of new innovative solutions across different sectors, by mobilising public and private

resources. They will also contribute to the objectives of the [European Green Deal](#) and strengthen the [European Research Area](#). Partnerships are open to a wide range of public and private partners, such as industry, universities, research organisations, bodies with a public service mission at local, regional, national or international level, and civil society organisations, including foundations and NGOs.

For More Information

[European Partnerships](#)

Impact Assessment (Single Basic Act) [Part 1](#), [Part 2](#), [Part 3](#), [Part 4](#), [Part 5](#), [Part 6](#), [Part 7](#), [Part 8](#), [Part 9](#), [Part 10](#), [Part 11](#), [Part 12](#), [Part 13](#), [Part 14](#), [Part 15](#), [Part 16](#), [Part 17](#), [Part 18](#), [Part 19](#)

Impact Assessment (Metrology) [Part 1](#) and [Part 2](#)

[Legislative proposals \(Single Basic Act\)](#) and [Annex](#)

[Legislative proposals \(Metrology\)](#)

[Infographic](#)

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