



POLICY DEBATES



Policy Debate under the Portuguese Presidency of the Council of the European Union:

How the proposed European Partnership on Metrology supports the digital and green transitions

Hosted by IPQ and EURAMET

Wednesday, 5 May 2021 | 13:30 – 14:45 UTC+1

Online debate

Speakers

Maria da Graça Carvalho, Member of the European Parliament

Signe Ratso, Deputy Director-General, DG RTD, European Commission

Hans Arne Frøystein, EURAMET Chairperson

António Mira dos Santos, President of IPQ, National Metrology Institute of Portugal

João Peças Lopes, INESC TEC, Portugal

This event aims to:

- bring together stakeholders from policy, industry and science and all other interested parties.
- encourage discussions on future needs for Europe's digital and green transitions; and
- introduce the proposed European Partnership on Metrology that will foster research and support innovation in Europe.

Description of the event

The European Commission's 'Horizon Europe' puts forward an ambitious research and innovation programme, running from 2021 to 2027. A key implementation tool of Horizon Europe will be the **European Partnerships**, which are expected to contribute significantly to achieving the European Union's political priorities, accelerating the transition towards a green, climate neutral and digital Europe, and building a more resilient and competitive European industry.

Metrology, the science of measurement, is a **key enabler of innovation** in economies and societies. Reliable measurements are essential for scientific research, trade and industry.

Addressing **societal challenges** and enabling **emerging technologies** need increased accuracy, precision and new measurement capabilities. Often hidden from the public view, metrology is the building block of our industrialised, increasingly **digital** society and affects almost every aspect of modern life.

Precision in production and processes, the reliability of medical diagnosis, sensor networks for energy efficiency and environmental monitoring, data quality for regulation and many more applications rely on correct and comparable measurements. These in turn require a sound internationally agreed system of measurements.

The **proposed European Partnership on Metrology** emphasises the important role the metrological infrastructure will play in innovation and in tackling some of **Europe's biggest challenges**, from **healthcare to climate change**.

It aims to break new ground and to foster **Europe's world-leading measurement science**, based on high-quality research, and a fit-for-purpose and inclusive infrastructure. Further development is crucial to meet the rapidly advancing needs of stakeholders and society.

Topics for debate:

- How will the European Partnership on Metrology bring together European players - including policy makers, industry, academia and measurement scientists - in order to deliver on global challenges and modernise industry?
- What is measurement science doing to support the digital transformation in the energy and climate observation sector?
- How to ensure that measurement research and innovation are widely accessible?
- How to ensure that measurement research and innovation have relevant and effective impacts on policy and regulation?