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**Technology foresight and technology assessment for sustainable development**

Statement by

Ministry of Industry and Technology  
Türkiye

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## **Statement of the Ministry of Industry and Technology of the Republic of Türkiye**

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### **Theme 2: “Technology Foresight and Technology Assessment for Sustainable Development” (08.04.2025)**

**Mr. Chair/Madam Chair,**

**Ladies and Gentlemen,**

Good morning,

The swift progress in science and technology offers valuable opportunities but also brings forth considerable economic, social, and environmental challenges. In an era of this transformation, the need for forward-looking and responsible governance has never been more urgent.

In light of this, Türkiye believes that technology foresight is an essential tool for policymaking. Through foresight and assessment studies and horizon scanning initiatives, we aim to identify emerging technologies, anticipate their potential impacts, and align our national research and innovation strategies with long-term sustainable development goals.

This approach allows us to thoughtfully evaluate the potential impacts of emerging technologies as we formulate our science, technology, and innovation policies.

In Türkiye, technology foresight and assessment studies are spearheaded by the Presidential Science, Technology, and Innovation Policies Council. Within this framework, initiatives such as "Vision 2030" and the "Priority Technology Areas" studies act as essential strategic guides for our national science and technology policies. Coordinated by the Ministry of Industry and Technology, these efforts concentrate on pivotal areas including artificial intelligence, big data, cybersecurity, energy storage, biotechnology, and advanced materials.

## **Check against Delivery**

As part of our technology foresight initiatives, we closely monitor global trends, analyze reports from international organizations, and conduct multidimensional evaluations supported by expert insights.

Technology foresight and technology assessment are crucial for Least Developed Countries, as they help identify future technological needs, bridge innovation gaps and ensure sustainable development.

Türkiye is honoured to host and provide financial support to the UN Technology Bank for Least Developed Countries (LDCs). This esteemed institution is committed to harnessing the power of science, technology, and innovation to promote sustainable development across the 44 Least Developed Countries. A key area of focus for UNTBLDC is Technology Needs Assessments (TNAs).

TNAs involve a systematic analysis of key social and economic sectors to identify and prioritize the technologies required for development.

These assessments are critical for expediting urgent development needs and priorities through investment in science, technology, and innovation in LDCs.

In the long term, the goal of these assessments is to assist countries in developing their technological and innovative capabilities to achieve growth and promote sustainable development. Since its inception in 2018, the UNTBLDC has completed TNAs in 14 countries, with 3 more ongoing.

Leveraging these tools enables LDCs to make informed policy decisions, optimize resource allocation, and enhance resilience in an increasingly technology-driven world.

We firmly believe that international cooperation plays a critical role in technology foresight and assessment. The knowledge-sharing and capacity-building opportunities provided by platforms such as the CSTD significantly contribute to managing technological transformations in a sustainable and inclusive manner. As Türkiye, we are ready to share our best practices in this field and further strengthen global partnerships.

Thank you.