Antalya Artificial Intelligence Pledge

We, Parties and non-Party stakeholders — businesses, investors, financial institutions, research institutions, international organisations, cities and subnational governments, and civil society organisations — as Signatories of the Antalya Artificial Intelligence Pledge:

Recognising that artificial intelligence (AI) is increasingly embedded in everyday technologies, services and infrastructure, already supports mitigation, adaptation and resilience and can accelerate climate policy implementation and scale up solutions. Digital-innovations can help reduce greenhouse gas emissions and support adaptation across economic sectors when properly used and governed;

Noting that AI's growing demand for electricity, computing infrastructure, water, land, and critical materials, with electricity consumption from AI-focused data centres significantly rising by 50% in 2025[1], and the need to design, develop, deploy and manage AI sustainably across their value chain and lifecycle, including the responsible reduction and management of e-waste;

Recognising the opportunities and challenges faced by developing countries, including least developed countries and small island developing States, in accessing, building or developing data, digital infrastructure, computing capacity, finance, technology and skills required to harness AI for climate action for mitigation, adaptation, and resilience, and emphasising that inclusive access to finance, data, computing capacity and skills is essential if all countries are to use AI for climate action and share its benefits;

Recalling decisions 1/CMA.5, paragraph 109, and 9/CP.28, paragraphs 6–8, concerning the Technology Mechanism's AI for Climate Action initiative implemented by the Technology Executive Committee (TEC) and the Climate Technology Centre and Network (CTCN), as well as the 2024 COP29 Declaration on Green Digital Action[2] and the Belém Technology Implementation Programme at COP30[3] and other international agreements[4];

Recognising the importance of measurement and reporting in assessing progress towards the objectives of this Pledge, and the need to progressively develop common methodologies and strengthen the necessary

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[1] International Energy Agency (2026), *Key Questions on Energy and AI*

[2] COP29 Presidency (2024), *COP29 Declaration on Green Digital Action*, launched at COP29 Digitalisation Day, Baku, Azerbaijan, 16 November 2024

[3] United Nations Framework Convention on Climate Change (UNFCCC), Belém Technology Implementation Programme, Decision 18/CMA.7, 2025.

[4] United Nations Environment Assembly, Environmental sustainability of artificial intelligence systems, Resolution UNEP/EA.7/Res.9, adopted at the seventh session of the United Nations Environment Assembly (UNEA-7), 2025; UNESCO, *Recommendation on the Ethics of Artificial Intelligence*, adopted by the General Conference of UNESCO on 23 November 2021, Paris; International Telecommunication Union (ITU), Resolution 182 (Rev. Bucharest, 2022), Role of telecommunications/information and communication technologies in regard to climate change and the protection of the environment, adopted by the ITU Plenipotentiary Conference (PP-22), Bucharest, 2022; and other relevant AI international agreements.

technical infrastructure and capacities through international cooperation and financial, technical and in-kind support, in line with national circumstances and capabilities;

Affirming that these objectives of the pledge are voluntary and non-prescriptive, create no new obligations, and are to be implemented in accordance with national circumstances, sustainable development priorities and national legislation, including on data sharing and disclosure;

Declare our shared ambition to make AI part of the climate solution - sustainably powered, efficiently designed, transparently measured and available to all - and to this end commit to strengthening international cooperation and knowledge-sharing, and to the following actions, taking into account our national circumstances and capabilities, as well as sustainability priorities:

1. Power and build AI infrastructure and hardware sustainably, for example by: increasing the share of AI and data-centre infrastructure powered by zero- and low-emission energy; integrating sustainability by design in data-centre development and operation, including efficient cooling, and energy and water efficiency; supporting the effective integration of AI and data-centre infrastructure into electricity grids so that associated increases in electricity demand can be met sustainably; appropriately allocating infrastructure costs associated with data-centre development, including electricity transmission upgrades;

2. Design, manage or procure AI responsibly across its lifecycle, for example by: applying internationally recognised, consensus-based multistakeholder standards and frameworks on the environmental sustainability of AI when developing, procuring and deploying AI systems[5]; and adopting circular approaches to AI infrastructure and hardware, including responsible decommissioning, reuse, recycling and e-waste management;

3. Support assessment and reporting of the environmental impacts of AI systems, for example by: promoting international cooperation to strengthen the technical infrastructure and capacities needed for assessing the environmental impacts of AI systems using internationally recognised, consensus-based multistakeholder standards; and facilitating the sharing of implementation results and data in accordance with national circumstances, and legislation;

4. Strengthen financial support and technical infrastructure for AI for climate action, for example by: mobilising financial, technical and in-kind support - including enhanced and equitable access to computing capacity, data, training and concessional support - for developing and scaling AI solutions for mitigation, adaptation and resilience, particularly in developing countries, least developed countries and

[5] See ITU-T L. Sup53 (2022) Guidelines on the implementation of environmental efficiency criteria for artificial intelligence and other emerging technologies; ITU-T L.1801 (2026), Guidelines for assessing the environmental impact of artificial intelligence systems; UNESCO and University College London (UCL), *Smarter, smaller, stronger: resource-efficient generative AI & the future of digital transformation*, UNESCO Publishing, Paris, 2024, https://unesdoc.unesco.org/ark:/48223/pf0000394521.

small island developing states. Applications may address local needs in emissions reductions, renewable energy, energy-system optimisation and efficiency, sustainable transport, industrial decarbonisation, emissions monitoring and measurement, reporting and verification, as well as climate-resilient agriculture, water and food security, disaster risk reduction, early warning and other adaptation priorities;

From Antalya, we commit to move from recognition of priorities to implementation. As an initial step, we identify our selected voluntary commitments in the following respective annex, in accordance with our capacities and national circumstances, and sustainability priorities. We invite cooperation through the International Telecommunication Union-convened Green Digital Action initiative, in collaboration with the Technology Mechanism and other relevant UNFCCC bodies and pertinent UN initiatives, to progressively review and showcase progress under this Pledge (including the respective Annex); inviting signatories to take stock of collective progress during each UNFCCC Conference of the Parties until 2030, starting with COP32. The review and implementation process will be supported by the relevant thematic forums, such as the AI Summits, and AI for Good Global Summits. These milestones may also be used to share experience, advance methodological work, identify international standards, frameworks and requirements that support the implementation needs and priorities, and progressively shape implementation pathways.

We call on all relevant stakeholders to join the Antalya Artificial Intelligence Pledge, and welcome additional commitments, partnerships and initiatives that contribute to its implementation.

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Annex A - Additional Voluntary Commitments of Parties

In addition to our commitments under the Antalya Artificial Intelligence Pledge, we also wish to indicate our interest and priorities among one or more of the commitments below, with a view to progressively integrating them into our relevant national policies, laws, public procurement requirements, and frameworks, as appropriate on a voluntary basis and in accordance with national circumstances.

A. Measurement, Transparency and Accountability

[ ] A1. To progressively request providers of AI systems and services to disclose energy and environmental impact data, using internationally recognised, consensus-based multistakeholder standards.

[ ] A2. To begin compiling and publicly reporting an ICT energy and GHG inventory, progressively expanding its coverage over time with the goal to include national AI energy and environmental impact data.

B. Sustainable AI Infrastructure and Circularity

[ ] B1. To progressively require AI infrastructure operations to be powered by zero- and low-emission energy.

[ ] B2. To progressively adopt sustainability and circularity guidelines or procurement requirements for data centres and AI-related hardware, including for energy and water efficiency, cooling technologies, durability, repair, reuse, recycling and responsible e-waste management.

C. Capacity Building and Skills Development

[ ] C1. To progressively train or upskill stakeholders in AI-related skills to design and develop sustainable AI solutions and effectively use and adopt AI for climate action.

D. AI for Climate Action

[ ] D1. To provide financial, technical or in-kind support, including access to computing capacity, for AI solutions for climate action in developing countries.

[ ] D2. To progressively advance the development and use of AI solutions for climate action, in accordance with national circumstances and priorities.

[ ] D3. To collaborate with other countr(ies) on knowledge and experience sharing to enable the implementation of AI solutions for climate action and the development of environmentally efficient AI solutions.

Annex B - Additional Voluntary Commitments for non-Parties

In addition to our commitments under the Antalya Artificial Intelligence Pledge, we also commit, on a voluntary basis and in accordance with our sustainability priorities, to one or more of the following selected objectives, with corresponding targets and dates as registered:

A. Measurement, Transparency and Accountability

[ ] A1. To assess and publicly disclose the energy and environmental impacts of [X]% of our recently released AI systems by [X], using internationally recognised, consensus-based multistakeholder standards.

[ ] A2. To require our providers of AI systems and services to disclose energy and environmental impact data, based on internationally recognised, consensus-based multistakeholder standards to support our sustainability reporting and environmental accounting, by [X].

B. Sustainable AI Infrastructure and Circularity

[ ] B1. To achieve [X]% of our AI infrastructure operations powered by zero- and low-emission energy by [X].

[ ] B2. To adopt green data centre requirements, including for the use of cooling technologies, water and energy efficiency metrics, based on internationally recognised, consensus-based multistakeholder standards by [X].

[ ] B3. To adopt green resource-efficient AI model design guidelines by [X].

[ ] B4. To adopt guidelines or procurement requirements for circularity, durability, repair, reuse, recycling and responsible e-waste management, in accordance with internationally recognised, consensus-based multistakeholder standards by [X].

[ ] B5. To ensure [X]% recyclability of our components by [X].

C. Capacity Building and Skills Development

[ ] C1. To train or upskill [X] stakeholders - particularly in developing countries, least developed countries and small island developing States - in AI-related skills to design and develop sustainable AI solutions and effectively use and adopt AI for climate action by [X].

D. AI for Climate Action

[ ] D1. To provide financial or in-kind support valued at USD [X], benefiting [X] countries and/or stakeholders - particularly developing countries, least developed countries and small island developing States - to develop and scale AI solutions for climate action by [X].

[ ] D2. To provide technical support, including enhanced access to computing capacity, to at least [X] countries and/or stakeholders to support the development and/or implementation of AI solutions for climate action by [X].

[ ] D3. To assess and publicly disclose the net GHG emissions impact of [X]% of our AI solutions for climate action, drawing on existing assessments where available and considering both their GHG

footprint and their contribution to reducing or avoiding emissions, by [X], using internationally recognised, consensus-based multistakeholder standards.