ELECTRIFICATION OF INDUSTRY AND RESPONSIBLE AI ARE ESSENTIAL CLIMATE PRIORITIES

- **The Antalya Artificial Intelligence Pledge and AI-Enabled Cleantech Initiative reinforce AI's role as a climate solution**
- **The Antalya Green Industrialisation Compact and Least Developed Countries Green Industrialisation Facilitation (LDC-GIF) support finance, scaling and practical implementation for near-zero and low-emissions industry**
- **COP31 President adopts technology actions that deliver tangible climate outcomes**
- **COP31 President of Negotiations calls on Parties to keep science front and centre**

ANTALYA, Nov 16 – The COP31 Presidency is today launching a package of actions to advance responsible artificial intelligence, green industrialisation and the deployment of climate technologies via the mobilisation of governments, businesses, investors, research institutions and international organisations.

AI is placing growing demands on electricity systems and other resources, but data centres themselves can also play a practical role in managing energy systems. AI applications can also accelerate climate solutions. From improving grid efficiency and integrated renewables, to supporting industrial decarbonization and improving climate-risk modelling and analysis, AI is accelerating climate actions in every field. The Antalya AI Pledge addresses both sides of that equation, offering governments and companies an opportunity to demonstrate the practical steps they will take to make AI part of the climate solution. The AI-Enabled Cleantech Initiative links this innovation to deployment, to move promising solutions from pilot to wider adoption.

Industry accounts for around a quarter of global emissions. The Antalya Green Industrialisation Compact emphasises investment, implementation and practical outcomes for near-zero and low-emissions industrial production. It also accounts for the fact that the starting point, context and priorities for countries and industries will not be the same.

The COP31 Presidency and International Telecommunication Union (ITU), in collaboration with UN-Habitat and UNFCCC, will also launch a call to action on how AI, digital twins and the Internet of Things (IoT) can accelerate urban climate action. Governments, cities, companies, academic institutions and international organisations are being invited to support actions to scale AI, digital twins and IoT for smart, resilient cities.

The Least Developed Countries Green Industrialisation Facility (LDC-GIF) Mechanism, presented on 12 November, combines project development and maturation, technology matching and transfer, institutional capacity support and links to existing sources of finance around country-identified priorities. It operates under the secretariat of the UN Technology Bank for LDCs, hosted by Türkiye.

The COP31 Presidency, OECD and the Climate Club, an intergovernmental forum of 50 countries, issued guidance on 12 November on country platforms for industry transformation. The guidance can help translate industrial ambitions into tangible investment and

implementation outcomes including through governance, enabling investment conditions, pipeline creation, finance mobilisation and monitoring, complemented by project selection guidelines.

COP31 President Murat Kurum said:

“Industry and technology must be part of the climate solution. We need to electrify industry, adapted to the starting point and strategic choices of each country. At the same time, we need to ensure that the rapid growth of AI is powered and deployed responsibly and used for the benefit of climate actions. At COP31, Türkiye is bringing governments, businesses and innovators together to commit to practical ways that they can use technology to implement their climate actions.

More efficient industry, services and society is the core role of technology throughout the ages. AI and clean technologies allow growth across business, including resource intensive ones like manufacturing and agriculture, to continue without a corresponding increase in materials and energy use, which benefits both people and planet.”

UNIDO Director General Gerd Mueller said:

“No country should have to choose between development and climate action. Green industrialization is key to reducing emissions while building the clean technology industries, skills and quality jobs of the future in every region.”

COP31’s focus on Green Industrialization sends an important signal to scale up international support and bring investment, technology and opportunities to emerging markets and developing economies, turning commitments into concrete results on the ground.”

Together, the actions reflect COP31’s focus on turning technology into implementation. Green industrialisation can cut emissions, and the investment, implementation and scaling up of near-zero-emissions industrial production supports competitiveness and development; responsible AI can strengthen cleaner energy systems, industry and climate resilience; and new partnerships can help projects move from demonstration to commercial deployment. With support from governments and companies, these actions support the COP31 Presidency’s 35-by-35 ambition to increase electricity’s share of final energy consumption to 35% by 2035.

COP31 launches the Antalya Artificial Intelligence Pledge

At the High-Level Green Digital Action Roundtable, the COP31 Presidency launches the Antalya Artificial Intelligence Pledge, a voluntary framework for countries, companies and organisations to make concrete commitments on how they will make AI part of the climate solution.

The Pledge sets out action across four areas: powering and building AI infrastructure and hardware sustainably; designing, managing or procuring AI responsibly across its lifecycle; supporting assessment and reporting of AI systems’ environmental impacts; and strengthening financial support and technical infrastructure for AI for climate action, particularly in developing countries, least developed countries and Small Island Developing States (SIDS).

In addition to supporting the principles of the Pledge, signatories can identify commitments, including on energy and environmental disclosure, low-emission power for AI infrastructure, green data-centre requirements, resource-efficient AI design, circularity and e-waste, skills development, computing capacity and support for AI-enabled climate solutions to translate the pledge into practical implementation.

At launch, early supporters including governments, academia, civil society and the private sector, have already signed the pledge. Signatories are also making additional voluntary commitments covering areas including clean power, environmental disclosure, computing capacity, skills and support for AI-enabled climate solutions.

ITU Secretary-General Doreen Bogdan-Martin said:

“AI is a powerful tool for tackling the climate crisis, but it must be used responsibly. The Antalya AI Pledge galvanizes international action towards sustainable, accountable AI innovation that benefits everyone, especially the most climate-vulnerable nations.”

COP31 President of Negotiations calls on Parties to keep science front and centre

AI needs clean data, and green industrialisation requires robust science. For climate actions to deliver the intended results, ensuring climate science is well funded must remain a priority. Professor Johan Rockström’s research into the Paris Agreement overshoot, presented today, is key to this effort.

President of Negotiations for COP31 Chris Bowen is working with Parties to make progress across the agenda as COP31 enters week two and the negotiations begin in earnest.

Bowen said:

“Science must remain front and centre across the COP31 negotiations. The latest science tells us that we will overshoot the 1.5-degree goal, but science also shows that we can return to safer temperatures if we work together and act with urgency.

“We must also make efforts to keep science central to the next global stocktake, as well as our goals to cut emissions and adapt to climate change.”

ENDS

Notes to editors

- COP31 is the 31st Conference of the Parties to the UN Framework Convention on Climate Change and takes place in Antalya, Türkiye, from 9–20 November 2026.
- A live tracker of Antalya AI Pledge signatories is available here
- For more information regarding the COP31 Presidency and requests to be added to the media list, please contact COP31 Presidency at media@cop31.tr
- For more information regarding the COP31 President of Negotiations and requests to be added to the media list, please contact: COP31mediaoperations@dcceew.gov.au

- For more information regarding UN Climate, please contact the UNFCCC at press@unfccc.int
- For official photography from COP31 Presidency events and activities, visit the COP31 Flickr
- For official photography from all other COP31 events and activities, visit the UNFCCC Flickr
- Latest updates from the COP31 Presidency can be found here: COP31 Türkiye Antalya 2026 UN Climate Change Conference
- Latest updates from the COP31 President of Negotiations can be found here: COP31 | Australia-Pacific Partnership for COP31