

UN Climate Change Conference - COP 30 - Belém, Brazil

HIGH-LEVEL/MINISTERIAL EVENT “Innovating for Resilience: Technology Accelerating Climate Adaptation”

Concept Note

DATE: Wednesday, 12 November 2025

TIME: 12:30 - 13:30 (60 minutes)

ROOM: SE Room 2 (Roundtable – 40 seats at the table + 40 behind)

Organized by
Center for Management and Strategic Studies (CGEE)
Climate Technology Centre & Network (CTCN)
Ministry of Foreign Affairs (MRE – Brazil)



Center for Strategic Studies and Management
Science, Technology and Innovation



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Event Description:

A high-level roundtable exploring how technology innovation drives climate adaptation through advanced atmospheric monitoring, early warning systems for extreme events, and climate-smart solutions for agriculture and food security. The discussion will also address financing mechanisms for local adaptation, the role of public innovation agencies in scaling resilient technologies, and opportunities for global cooperation and technology transfer under the Paris Agreement highlighting experiences from Brazil and international partners.

Headline:

Implementation through Innovation: Scaling Technologies for a Resilient Planet

Outcome to be announced/launched:

The session will highlight collaborative pathways for advancing technology partnerships in climate adaptation, showcasing practical examples that bridge science, policy, and investment. It aims to foster stronger South–South, North–South and Triangular exchanges and enhance access to finance support and technical assistance through platforms like CTCN.

Expected Outcomes:

1. Identification of concrete cooperation opportunities among technology networks, climate funds, and national innovation systems.
2. Policy messages and recommendations on enabling environments for scaling adaptation technologies.
3. Strengthening international cooperation to mobilize adaptation finance and accelerate technology deployment in developing countries.

List of speakers:

Open Remarks: Ana Toni - COP30 CEO

Moderator: Caetano C. Penna – Director, CGEE

Panelist 1: Ariesta Ningrum – Director, Climate Technology Centre & Network (CTCN)

Panelist 2: Paulo Nobre – Researcher, CPEC Project (INPE)

Panelist 3: Mikko Ollikainen – Head of the Adaptation Fund (AF)

Panelist 4: Martial Bernoux, Climate Change Team Leader (FAO)

Panelist 5: Newton Hamatsu, Superintendent of Innovation (FINEP)

Closing Remarks: Pedro Ivo (Coordinator for scientific and technological affairs and bilateral relations, MRE)



United Nations
Climate Change



Target audience:

High-level government officials, development finance institutions, international organizations, research centers, and private sector representatives working on adaptation technologies and innovation for resilience.

Organisers:

Center for Management and Strategic Studies (CGEE)
Climate Technology Centre & Network (CTCN)
Ministry of Foreign Affairs (MRE – Brazil)



Prospective Agenda:

Timing (60 mins)	Segment	Speaker suggestions <i>Stakeholder group, name, title, organisation, gender, geography</i>
10 min	<p>Welcome & Introduction</p> <p>Framing question: How can technological innovation accelerate adaptation and resilience across sectors by 2030?</p>	<p>Ana Toni – COP 30 CEO - Opening remarks and contextual framing. Moderator: Dr. Caetano C. Penna (Director, CGEE) – Man, Brazil – Overview of the session objectives.</p>
up to 5 min in total	<p>Framing remarks Global cooperation and technology transfer for adaptation. Context: The role of international technology partnerships in achieving resilience goals under the Paris Agreement.</p>	<p>Ms. Ariesta Ningrum (Director, CTCN) – Woman - Indonesia</p>
20 min	<p>Solutions for climate action</p> <p>Introducing the solutions/action contributing to a Plan to Accelerate Solutions and specific issues/barriers.</p> <ul style="list-style-type: none"> • Atmospheric technologies and early warning systems for extreme events. • Climate-smart technologies for agriculture and food security • Financing innovation for local adaptation solutions. • Role of Public Innovation Agencies in Scaling Climate-Resilient Technologies 	<ul style="list-style-type: none"> • Dr. Paulo Nobre (Senior Research Scientist, National Institute for Space Research INPE) – Man – Brazil • Mr. Martial Bernoux (Climate Change Team Leader FAO) - Man – Italy • Mikko Ollikainen (Head of the Adaptation Fund) - Man – Finland • Newton Hamatsu - Superintendent of Innovation FINEP) – Man – Brazil
20 min	<p>Interactive dialogue Moderator-led exchanges among all speakers. Discussion points:</p> <ul style="list-style-type: none"> • Best practices and lessons learned from technology-based adaptation initiatives. • Opportunities for South–South, North–South and Triangular collaboration. 	<p>all speakers</p>



	<ul style="list-style-type: none">• <i>Overcoming barriers to scaling innovation and access to finance.</i>• <i>Strengthening networks linking research, policy, and implementation</i>	
5 min	<p>Reflections, Closing Remarks and/or Next steps</p> <p>Brazilian Technology Negotiator – <i>Closing words highlighting Brazil’s leadership and commitment to technology for adaptation under the UNFCCC</i></p> <p>Moderator – <i>Summary of key takeaways and pathways for cooperation beyond COP30.</i></p>	<p><i>Pedro Ivo (Coordinator for scientific and technological affairs and bilateral relations, MRE) – Man, Brazil</i></p> <p><i>Moderator: Dr. Caetano C. Penna (Director, CGEE) – Man, Brazil</i></p>