



United Nations Climate Change
Global Innovation Hub



DEPARTMENT OF
ECONOMIC AND
SOCIAL AFFAIRS



Ministry of Environment
Greenhouse Gas Inventory
and Research Center



SDG
Pavilion

Concept Note

COP28 Side Event at the SDG Pavilion

Global Accountability and Innovations for GHG Measurement, Reporting, and Verification

5 December 2023 – 13:30-14:45, SDG Pavilion Blue Zone - Expo City, Dubai, UAE

Venue: Thematic Arena 3, space TA3-210 / B7-88

This side event will explore frontier innovations such quantum computing, block chain and more to strengthen carbon emissions measurement, reporting and verification systems globally and accelerate progress on climate mitigation. The side event will feature national experience, thought leaders and solutions for the application of digital MRV systems at country level and through greater global cooperation for enhanced transparency.

Leveraging frontier technologies can allow for more comprehensive, credible and global GHG progress measurement for future carbon markets and to track progress on related Sustainable Development Goals and targets relying on GHG mitigation efforts. Equally, greater regional and global cooperation on the use of frontier technologies can strengthen MRV through open data systems and interoperability for global reporting on climate targets under NDCs and the SDGs.

Governments, private sector, and academia are working on applying digital technologies that can streamline data collection, processing and quality control in MRV processing to reduce costs and barriers. This can increase the potential to access climate finance and expand credible progress on climate action, but greater cooperation, capacity and financing is needed for developed and developing countries to implement these innovative solutions. MRV processes can apply digital innovation using agreed methodologies. However, progress on the use of digital innovation needs to be equitable between developed and developing countries for global comparability on emissions and to enable carbon finance for all, in line with Article 6 and 13 of the Paris Agreement.

Co-organizers: UNDESA DSDG/OSD, UNFCCC Global Innovation Hub, United Nations Economic Commission for Asia and the Pacific, Greenhouse Gas Inventory and Research Center, MOE Korea

Agenda:

Welcome remarks

- Mr. Chun Kyoo Park, Head of Office, UNOSD, DSDG, UN DESA
- Mr. Massamba Thioye, Head of UN Climate Change Global Innovation Hub, UNFCCC Secretariat

Introductory remarks

- Mr. Jong Soo Yoon, Chair, International Union for Conservation of Nature (IUCN) Korea

Presenters

- Ms. Eunhae (Jay) Jeong, President, Greenhouse Gas Inventory and Research Center (GIR), Ministry of Environment, Republic of Korea – joint presentation with Ms. Moonjung Kim, Environmental Researcher, GIR
- Mr. Tomoyuki Aizawa, Programme Officer, Enhanced Transparency Framework, UNFCCC
- Mr. Daniel Akwetey Lamptey, Programme Officer, Environmental Protection Agency, Ghana



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Discussants

- Ms. Aida Maksut, Member, Board of Directors, Qazaq Green Association
- Ms. Aneta Nikolova, Environmental Affairs Officer, United Nations Economic Commission for Asia and the Pacific (UNESCAP)

Q&A

Guiding questions:

- How can frontier technologies strengthen MRV for global reporting and accountability on climate targets under NDCs and the SDGs?
- What are the leading innovations and technologies to strengthen carbon emissions measurement, reporting and verification systems globally?
- What are the barriers for digital MRV adoption and global comparability in GHG inventory reporting?
- What innovations can ensure global comparability on emissions data to enable carbon finance for all, in line with Article 6 and 13 of the Paris Agreement?