United Nations
Climate Change

Earth Information Day 2024 - Break-Out 4

ADVANCED TECHNOLOGIES, INNOVATION AND DIGITAL TRANSFORMATION

GUIDING QUESTIONS

1. What are the latest advancements in Earth observation innovation and technology and what potential do they hold for large-scale implementation?

2. How can AI and advanced data management systems improve Earth observation, and early warning systems? What are the opportunities for strengthening the capacity of developing countries in managing and utilizing big data and latest technologies in Earth observation?

3. What are the opportunities and challenges in the deployment and utilization of advanced technologies, such as AI, and scalable solutions to advance climate observation efforts, and how can these inform policy?

FURTHER INFORMATION ON TOPIC

1. *Disaster Connectivity Map*

2. *AI Sub-Group of Early Warnings for All Initiative*

3. *Earth observation at the frontline of climate action*

4. *Science services: Observing our planet and understanding climate change*

5. *ITU News Magazine – Earth observation*

6. *AIFS: a new ECMWF forecasting system*

7. *Carbon dioxide and methane - Monitoring fluxes and emissions*

TIMELINE

Breakout session: 14:45 - 15:15
Reporting back: 15:15 - 15:45

Moderator and Rapporteur:
Rui Kotani (GEO), Dr. Sara Venturini (GEO)

Experts: Vanessa Gray (ITU), Dr. Laurence Rouil (Copernicus), Dr Abdullah Alkhedhair (King Abdulaziz City for Science and Technology)