Climate Dialogues: **Innovative Use of AI Models and Open Data for Climate Action**

Highlights of the webinar

CivicDataLab, supported by The Rockefeller Foundation, is organizing a series of “Climate Dialogues”- to facilitate peer learning and knowledge sharing among countries from the global south on data-driven and technological ways to enhance climate change adaption.

The third webinar of the series, titled 'Innovative use of AI Models & Open Data for Climate Action' was held on 08th August 2023. Dr.Jeeno Soa George, Senior Geospatial Researcher, CivicDataLab moderated the event. The webinar included national and international stakeholders in the sector.

Shri Gyanendra Dev Tripathi, IAS, Principal Secretary to the Govt. of Assam, Revenue & Disaster Management Department and Chief Executive Officer, Assam State Disaster Management Authority (ASDMA), shared the various digital initiatives for governance by the Government of Assam and congratulated the panelists on how open data is being leveraged for climate action across varying sectors. The esteemed panelists included:

- Keyzon Ngodup Masally, Head of Digital Programmes, UNDP
- Rama Devi Lanka, Director-Emerging Technologies, Officer on Special Duty (OSD), Govt of Telegana, India
- Dominic Ligot, Founder, CEO and CTO, CirroLytix

The panelists shared their learnings, use cases, and approaches to leveraging digital technologies for different sectors such as agriculture, irrigation, public health, and pollution. They jointly stressed the need to share data and algorithms in the open to encourage further collaborations, which is the essence of Digital Public Goods (DPG). Each panel presentation were followed by Q&A with the attendees. The event had over 84 attendees from over 15 countries.

In a nutshell, the webinar was an engaging 90 minutes of knowledge sharing between experts from government, multinational organizations, social enterprises, and the private sector on how open data, digital public goods, and AI models can be used and leveraged to build a more sustainable and resilient future.

Recording of the webinar

Innovative Use of AI Models and Open Data for Climate Action

KEY TAKEAWAYS FROM PANEL PRESENTATIONS:

Keyzom Ngodup Massally, Head of Digital Programmes at UNDP shared the organization's commendable work on Digital Public Goods for Climate Action. She described case studies like DiCRA in Telangana, an open innovation initiative that leverages data for climate-resilient agriculture. Additionally, she discussed the Carbon Registry, a global Digital Public Good designed for climate mitigation projects, such as solar and rice irrigation, to receive climate finance.

Rama Devi Lanka, Director- Emerging Technologies, Government of Telangana, highlighted the initiatives by Govt. of Telangana to create a digital data ecosystem that integrates technologies throughout a crop's lifecycle in a comprehensive manner. Furthermore, she detailed Data In Climate Resilient Agriculture DiCRA mentioned by Keyzom, the world's first DPG on Climate Resilient Agriculture. This open geospatial platform, curated by a collaboration of over 9 organizations and 100+ data scientists, aims to demystify climate resilience in agriculture. She further explained other initiatives, namely Smart Nutrition Management of Soil and Smart Irrigation Management System.

Dominic Ligot, CEO and CTO, CirroLytix showcased the vast potential of satellite data, especially when combined with other datasets. He presented a case study on how changes in weather patterns can aid in forecasting dengue cases and how air quality data correlated with COVID-19 cases. Cirrolytix is an award-winning start-up, the three-time global winner of the NASA and ESA International Space Apps Challenges. The team's award-winning dengue surveillance application, AEDES, has been backed by the Group on Earth Observations (GEO), the Digital Public Goods Alliance (DPGA), and the UNICEF Innovation Fund.

Attendee Report

Number of registered participants = 180

Number of registered participants who logged in for the event = 151*

Unique viewers = 84

Maximum concurrent viewers = 69

Representation from 15 countries

**Several participants have inquired about obtaining the event recording over the mail, as they were in an unsuited timezone.*