

CSIR-NEERI, represented by Dr. Shalini Dhyani, Principal Scientist, was invited by the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), Bangkok Office, to speak on “Opportunities for Science Policy in Crop Biodiversity Conservation” on 29 October 2025. UNESCAP is promoting crop diversity through its CropBio Project, which uses innovative space technology to develop geospatial databases and conduct crop diversity assessments in selected Southeast Asian countries. This initiative, in collaboration with the Aerospace Information Research Center, Chinese Academy of Sciences (AIRCAS) aims to build capacity for monitoring crop diversity to improve food security and make food systems more resilient to challenges like climate change. CSIR-NEERI’s representation at the event highlighted its commitment to integrating science, policy, and sustainability in environmental research and development.



**Geo Bio Symposium 2025:
Opportunity for Science and Policy
Engagement in Crop Biodiversity**

Speaker

Dr. Jarot Indarto
The Ministry of
National Development
Planning, Indonesia

Dr. Gatot Haryo P.
BIG, Indonesia

Dr. Shalini Dhyani
CSIR-National Environment
Engineering Research
Institute, India

Ganesha Wicaksana, M.Sc.
KLHK, Indonesia

Prof. Danang S. C.
BRIN, Indonesia

Scott Atkinson
United Nations Biodiversity
Lab (UNBL), USA

Aditya Nugraha P., MP.
Universitas Brawijaya
Indonesia

October 29 - 31, 2025
Faculty of Agriculture, Universitas Brawijaya

- Indonesia Strategy and Policy on Crop Biodiversity mapping and monitoring in Agricultural land, Indonesia
- Utilization of Geospatial Data for Plant Biodiversity Monitoring based on The Kunming-Montreal Global Biodiversity Framework and Universities' Opportunities to Support Biodiversity Database and Monitoring in Indonesia
- Prototype National Crop Biodiversity database
- One map One Policy to support sustainable land system and crop biodiversity management in Indonesia
- Spatial Data and Planning to Support the Monitoring Framework of the Kunming-Montreal Global Biodiversity Framework (KMGBF) and functionalities on UNBL to support stakeholders in their work around the KMGBF
- Integrating Remote Sensing and Machine Learning for Accurate Prediction of Soil and Biomass Phosphorus Dynamics in Rice Fields Across Complex Terrain

Hybrid
via Zoom

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More Information **Contact:** iceshi@ub.ac.id **iceshi.ub.ac.id**