

Concept Note

WEBINAR Live session 3

Date: Tuesday, 26th May 2020 | 14:00 - 16:00

Theme:

Plastic Leakage Survey and its finding and data visualization platform

Speaker

- Amit Jain, National Productivity Council (NPC), India
- Geoinformatics Center (GIC), Asian Institute of Technology, Thailand
 - Kavinda Gunasekara, Team Leader (Environment) and Senior Program Specialist
 - Dan Tran, (position)
 - Rajitha Athukorala, (position)
- Pawena Limpiteeprakan, Academic Lecturer, College of Medicine and Public Health, Ubon Ratchathani University, Thailand

Background:

Plastic pollution in Asian rivers has been highlighted in many studies related to marine plastic emission to the world's oceans, accounting for an estimated 86% of global annual input of plastic into the oceans. Land-based mismanaged plastic leakage into rivers are related to plastic production and use, retail and consumption and end of life (disposal) via ineffective waste management services. The situation is even more complex for the transboundary rivers such as the Ganges and the Mekong that receive inputs from shared basins spanning across multiple countries. The significance of promoting science informed evidence driven countermeasures, effective to reduce and prevent the influx of plastic into these rivers is underscored by the economic and social relevance of these rivers.

Objective:

The session shares the “CounterMEASURE approach” how to identify the plastic leakage pathway based on the regional and local contexts extracted from the desk review and field surveys in pilot cities along the Mekong and Ganges rivers conducted by local partners.

The session shall cover the following topics:

- Concept of plastic pollution assessment and monitoring in rivers
- Data collection and survey methodology for plastic leakage pathway development
- The application of GIS for plastic leakage assessment and monitoring

Expected Outcome:

- Understand opportunities and challenges of implementing plastic pollution assessment and monitoring in rivers
- Understand designing of the process to develop an effective and evidence-based policy development to tackle the plastic pollution issues,
- Be ready to catalyze the ecosystem of stakeholders to enhance the collaborative measure to reduce the plastic pollution in rivers