



Concept Note

WEBINAR 4

Date: 18th May 2020 | 14:30 – 17:30 hrs

Theme:

Assessment of plastic pollution impact on natural capital and riverine and marine ecosystems needing policy intervention

Background:

Impacts of plastics on flora, fauna and humanity have been observed by researchers. Plastic debris in the environment soaks up hazardous pollutants, transports them through the ecosystem and transfers the compounds to organisms that consume the plastic particles, potentially producing adverse health effects, and also causing plastics and associated chemicals to reach higher trophic levels into food chains. To fairly evaluate the impacts of plastics within a comprehensive ecological and economic and environmental framework and to address trade-offs, life cycle methodologies will need to be bolstered by standardized and widely-accepted plastic leakage assessment and accounting.

Objective:

To understand mismanaged plastics in the environment ideology (Macro and Micro plastic), Valuing eco - system services and bio - diversity and implications from waste plastic litter, and river economics and impact of plastics on the eco - system and food chain and Life Cycle aspects.

The session shall cover the following topics:

- Snapshots of Findings of Microplastic assessment in Ganga and Yamuna
- "The Lost Plastic and it's Consequences"
- Ecological Economics of Plastics and Fiscal and Behavioural Policy Instruments
- Macro and Micro plastic in Indian Marine environment – concerns regarding food chain and Impact evaluation Methodology
- Addressing mission clean Ganga - Technical elements
- River economics and impact of Plastics on the eco system and food chain
- Valuing eco system services and bio diversity and implications from waste litter
- Sustainable Development Goals and indicators monitoring to cover plastic impact
- Natural capital implications from plastic pollution impacts - Assessment Methodology and results
- Life cycle analysis of plastic products in the value chain

Expected Outcome:

Improved understanding of economic implications including econometric tools for assessment of impact of plastic waste on riverine and marine ecosystem, in Indian context and recommendations for developing regulatory & market based instruments for preserving riverine and marine ecosystems.