



Global Methane Initiative (GMI) Showcase Webinar

GHG EMISSIONS FROM THE DOMESTIC WASTEWATER SECTOR IN INDIA

Date & Time: 4 March, 2024
10:30 PM EST / 5 March 2024
9:00 AM IST (UTC+5:30 hours)
Mode: Webinar via Zoom
Duration: 90 minutes

CONCEPT NOTE

Why is mitigating methane important and what does it have to do with wastewater? Come learn about municipal wastewater and methane emissions in India. We will explore the nexus of water, energy, and methane emissions.

India, a nation with a population that has surged from around 683 million in 1981 to over 1.3 billion in 2021, faces an immense challenge in managing its wastewater. The daily generation of sewage is about 72,368 million liters (MLD). While the total sewage treatment capacity is 31,841 MLD spread across 1,469 sewage treatment plants (STPs), the operational capacity is only 26,869 MLD and over 1,093 STPs, indicating a significant gap. Wastewater treatment facilities represent a significant source of anthropogenic greenhouse gas (GHG) emissions. Tetra Tech and TERI (The Energy and Resources Institute, India) conducted a study in support of the Global Methane Initiative (GMI) focusing on greenhouse gas (GHG) emissions from the municipal wastewater sector in India. The study analyzed secondary sources of information and compiled a comprehensive report providing national estimates of GHG emissions, specifically methane emissions.

The webinar aims to:

- » Discuss the discrepancies in GHG accounting (focused on methane emissions) information presented by different sources to foster a deeper understanding.
- » Share international experiences in GHG emissions inventory domestic wastewater sector.
- » Objective is to collaboratively explore potential solutions and actions for more accurate assessments of methane emission accounting from the wastewater sector in India.

Tentative Agenda

| Time Slot | Activity | Speaker |
|-----------------------------|---|--|
| IST (GMT +5:30 Hrs.) | | |
| 9:00 - 9:05 AM | Meet and greet | Mr Khalil Ullah Khan Associate Fellow, TERI |
| 9:05 - 9:15 AM | Welcome Address | Ms Monica Shimamura Wastewater and Biogas Program Manager, The United States Environmental Protection Agency (USEPA) |
| 9:15 - 9:25 AM | Keynote Address - Government of India | Ms Leena Nandan* Secretary, Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India |
| 9:25 - 9:45 AM | GHG Emissions from the Wastewater Sector in India - Report Findings | Dr Nupur Bahadur Senior Fellow & Associate Director, TERI |
| 9:45 - 9:55 AM | Q&A | Moderator Dr Ujjwal Bhattacharjee Renewable Energy Director, Tetra Tech |
| 9:55 - 10:15 AM | International Experience in Domestic Wastewater GHG Emissions Inventory | Mr Leodegario Lopez Wastewater Expert, Tetra Tech |
| 10:15 - 10:25 AM | Q&A | Moderator Dr Ujjwal Bhattacharjee, Renewable Energy Director, Tetra Tech |
| 10:25 - 10:30 AM | Concluding Remarks and Vote of Thanks | Ms Monica Shimamura Wastewater and Biogas Program Manager, USEPA |

* TBC-To be confirmed



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Registration