

## IGCW2025 - Technical Session on "Sustainability & Green Chemistry Metrics"

Venue for IGCW2025: Hotel Westin Mumbai Garden City, Goregaon (E), Mumbai, India

Date for this Technical Session: **7th November'2025 (Tuesday)**

**Expected Participants:** Chief Sustainability Officer, Head-EHS, VP-EHS, GM-EHS, GM-Production, LCA Professionals, Sustainability Professionals, etc

**Expected No. of Participants:** approx. 25 - 30

### Objectives:

#### 1. Decoding Key Sustainability Terminologies

- Provide clear definitions and contextual examples for essential terms such as net zero, carbon footprint, decarbonization, Science-Based Targets initiative (SBTi), life cycle assessment (LCA), and circularity. Enable participants to interpret sustainability language in business and regulatory contexts.

#### 2. Fundamentals and Industrial Applications of Life Cycle Assessment (LCA)

- Introduce the core principles and methodologies of LCA for measuring environmental impacts across product and process lifecycles. Showcase real-world case studies.

#### 3. Understanding and Applying Sustainability Metrics

- Examine vital sustainability metrics, including Science-Based Targets (SBTi), Product Carbon Footprint (PCF), and other benchmarks critical to tracking progress toward environmental goals. Equip participants to interpret, implement, and communicate these metrics effectively within their organisations.

#### 4. Leveraging Digital Tools, AI, and Machine Learning in Sustainability Metrics and Reporting

- Explore and highlight the potential of AI and machine learning in efficient data collection, management, enhancing data accuracy, predictive analytics, automated sustainability assessments and reporting.

#### 5. Building Partnerships with Sustainability Solution Providers

- Create opportunities to network with providers of innovative sustainability tools, platforms, and consulting services. Facilitate exchanges of best practices, new technologies, and collaborative approaches.

Timing	Speaker, Designation, Company	Topics	Context & Content/Comments
8:30 - 9:30 hr	Registration, Tea/Coffee, Networking, Visiting IGCW Expo		

9:30 - 9:40 hr	Mentors for the Session	Welcome, Acknowledgement, Self-Introduction & sharing work, Creating Context for the workshop, Introducing Keynote Speaker	
9:40 - 10:15 hr	Mr. Ananda Sekar, Leader, LCA Global Centre of Excellence, <b>SABIC</b> Mr. Rajesh Mehta, Senior Consultant - Energy & Materials Transition, <b>TNO</b> Ms. Avantika Shastri, Manager, Centre for Sustainability, <b>Eaton</b>	Decoding Sustainability Terminologies / Demistifying Carbon Jargon	30 min PPT, 5 min Q&A
10:15 - 10:45 hr	Mr. Jaikishan Venkat, Chief Strategy Officer, <b>Hindustan Platinum</b> (Invited)	Title of presentation awaited (Topics - Sustainability Initiatives at Hindustan Platinum)	25 min PPT, 5 min Q&A
10:45 - 11:30 hr	Tea/Coffee Networking Break, Visiting IGCW Expo.		
	<b>Session on Life Cycle Assessment (LCA)</b>		
11:30 - 11:55 hr	Prof. Dubey Professor, Circular Engineering (Dept. of Civil Engg.) and Chairperson, School of Water Resources, <b>IIT-Kharagpur</b>	Title of presentation awaited (Topic - Basics of LCA)	25 min PPT
11:55 - 12:20 hr	Dr. Rajesh Singh, Vice President - Sustainability Consulting, <b>Sphera</b>	Title of presentation awaited (Topic - LCA Automation Tools and other Sustainability Tools)	25 min PPT
12:20 - 12:45 hr	Mr. Sunil Kumar, Head, <b>SIPL Pvt. Ltd.</b>	ERA LCA-Chem - Sustainable solution for Chemical and Pharma domains	25 min PPT
12:45 - 13:10 hr	Mr. Gulab Malunekar, Research Scientist - LCA, <b>Dow India Technology Center</b>	Beyond the Surface - A Journey through Life Cycle Assessment	25 min PPT
13:10 - 13:30 hr	<b>Moderator: Prof. Brajesh Kumar Dubey</b>	<b>Q&amp;A and Open Discussion</b>	20 min Open Discussion
13:30 - 14:30 hr	Lunch Break, Visiting IGCW Expo.		
14:30 - 15:00 hr	Ms. Ashwini Higne, Associate Program Director - Climate Program, <b>World Resources Institute</b> (Invited)	Title of presentation awaited (Topic - Road to Net Zero / Carbon Markets)	25 min PPT, 5 min Q&A

15:00 - 15:30 hr	Mr. Mike Danielson, Industry Lead, <b>SBTi</b>	Climate Action and Science-based Target-setting in the Chemicals Sector	25 min PPT, 5 min Q&A
15:30 - 16:00 hr	Mr. Masaaki Toma, Research Planning & Coordination and Dept. of Carbon Neutral Strategy Cross-Functional Team, <b>Sumitomo Chemicals Co, Ltd.</b>	Development and Dissemination of CFP-TOMO®, a Carbon Footprint Calculation Tool for Chemical Products	25 min PPT, 5 min Q&A
16:00 - 16:30 hr	Mr. Pater Saling, Director - Sustainability Methods, <b>Together for Sustainability (TFS)</b> (Invited)	Title of Talk awaited (Topic - Product Carbon Footprint PCF / Tfs5.1)	25 min PPT, 5 min Q&A
16:30 - 17:00 hr	Mr. Biju Baby, Co-Founder, <b>Bacuti Inc.</b>	Modernizing PCFs	25 min PPT, 5 min Q&A
17:00 - 17:30 hr	<b>Moderator:</b> Ms. Avantika Shastri, Manager, Centre for Sustainability, <b>Eaton</b> <b>Panel Members:</b> <b>1.</b> Mr. Rajesh Srinivasaraghavan, Co-Founder, <b>Bacuti</b> <b>2.</b> Mr. Rajesh Mehta, Senior Consultant - Energy & Materials Transition, <b>TNO</b> <b>3.</b> Ms. Hiranmayee Kanekar, Consulting Manager - ESG & LCA Consulting, <b>Ramboll</b> <b>4.</b> Ms. Hetal Udas, Manufacturing Success Team Leader, <b>One Click LCA</b>	<b>Panel Discussion:</b> <b>AI Deployment for Sustainable Metrics in the Chemical Industry</b>	30 min Panel Discussion
17:30 - 17:40 hr	Mentors for the Session	Closing Remarks & Acknowledgements	
17:40 - 18:00 hr	Tea/Coffee Break, Visiting IGCW Expo		

**Academia Mentor:** Prof. Brajesh Kumar Dubey, Professor - Circular Engineering (Dept. of Civil Engg.) and Chairperson - School of Water Resources, **IIT-Kharagpur**

**Industry Mentors:** Mr. Ananda K. Sekar, Leader, LCA Global Centre of Excellence, **SABIC**  
Mr. Rajesh Mehta, Senior Consultant, Energy & Materials Transition, **TNO**

Dr. Avantika Shastri, Manager, Centre for Sustainability, **Eaton**