

Workshop on Environmental Sustainability through Science-based tools and approaches

Getting started with Life Cycle Assessment



Overview:

Consciousness across the world is growing that we need models that allow economic growth along with sustainability of our natural and social capital. To fully embed sustainability and make true change happen, a systemic approach to building solutions is key.

Life Cycle Thinking (LCT) is a systemic framework that takes a holistic view of the production and consumption of a product or service and assesses its impacts on the environment through the entire life cycle. Using an LCT approach means that negative impacts are minimized while avoiding the transfer of these impacts from one life cycle stage to another. When applied to product design, production processes, LCT is critical to decision-making for devising and implementing effective sustainability strategies. In this context, Life Cycle Assessment (LCA) represents one of the most thorough and reliable methods to assess environmental and social impacts of business and public policy decisions.

FICCI is pleased to announce a series of LCA training workshops to be held across the country over the next three months in association with international partners, **ecoinvent Centre** and **Quantis** of Switzerland. The aim of these workshops is to empower national industry, government and academia to use scientific tools and approaches for enhancing sustainability performance.

You should **Attend** this workshop if you are involved in:

1 Environmental compliance in your organization

2 Consulting for environment and sustainability

3 Research work in the environmental sustainability domain

4 Teaching environment and sustainability related topics

5 Studying/interested in use of scientific tools for sustainability

Limited seats! Participation in these workshops is **FREE** for participants who intend applying the learning in their respective professional context and is available on a first come first serve basis.

Workshop Schedule

Join us and get started with Life Cycle Approaches:

Date*	Venue*
Feb 6-7, 2018	Gujarat Environment Management Institute, Gandhinagar
Feb 8-9, 2018	Indian Rubber Manufacturers Research Association, Mumbai
Feb 12-13, 2018	National Council for Cement and Building Materials Ballabhgarh (Delhi region)
Feb 15-16, 2018	TERI School of Advanced Studies, New Delhi
Mar 6-7, 2018	National Environmental Engineering Research Institute, Nagpur

* More dates and venues to be announced soon

Different Registration requirements for TERI SAS programs. Please contact the organizers for more information.

Workshop Content

Carefully designed with instructor-led presentations, interactive sessions, and case studies to enable participants to develop a clear understanding of tools and methodologies, the 1.5 day workshop will cover the following topics:

Introduction to Life Cycle Thinking and Life Cycle Assessment

Context Setting: Life Cycle Thinking, Benefits and, Applications

Introduction to Life Cycle Assessment: ISO Framework (ISO 14040 and 14044), LCA phases: Goal and scope, life cycle inventory preparation, life cycle impact assessment, and interpretation

Application of Life Cycle Assessment

Hands-on Exercises/Life Cycle Perception game

LCA Case Studies

LCA in Decision making - Challenges and way forward

LCA Databases: Use of LCI databases, development of datasets, integration of data quality and reviews

Challenges in LCA: Multi-functionality, allocation and system boundaries, implications for decision making

Global Developments

Trends and developments in LC Thinking: Including Product and Organisation Environmental Footprint (PEF), Science Based Targets, Land Use Change Guidance

Moderated Q&A session

Trainer Profiles



Dr. Mireille Faist: Ph.D. in Environmental Science from the Swiss Federal Institute of Technology in Zurich (ETH, Switzerland), with over 20 years of environmental consulting experience. Since 2013, Mireille is Project Manager, Director of Operation, and Head of Science for Quantis Zurich, where she leads several projects in the field of food, consumer goods, bioenergy as well as other energy sources, and textiles.



Dr. Sanjeevan Bajaj: PhD in Management from IIM Ahmedabad with over 30 years of experience in industry and academics. Co-Chair of UNEP SETAC Life Cycle Initiative Phase 3 Flagship on Global Capability Development and FICCI representative on Life Cycle Initiative Steering Committee. First elected President of the FSLCI, a global community organization set up to be the home for all things life cycle. Has taught post graduate courses on Strategy at Fore School of Management, New Delhi and on Life Cycle Management at IIM Lucknow, Noida campus.



Dr. Amir Safaei: MBA, and PhD in the field of Sustainability from Massachusetts Institute of Technology in USA and Coimbra in Portugal. Amir's expertise lies into life cycle assessment (LCA) methodology, its application and education. He has worked on several international projects related to LCA, and has conducted capacity building and training events related to sustainability with several international organizations. Currently, Amir is the manager of the Sustainable Recycling Industries, life cycle inventories Project across India and other regions.

For more details and for registration, please contact:

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