

Workshop on
Environmental Sustainability through Science-based Approaches
Getting started with Life Cycle Assessment

AIC NIFT-TEA, East of TEKIC, Mudalipalayam, Tirupur - 641 606 India
Xx March/April, 2018



As international concerns over environment and sustainability gain importance, industrialized countries are raising questions on products from developing countries like India. This impacts Indian exporters, especially with media reports about polluting technologies and poor/unsafe working conditions. It is therefore important for Indian textile manufacturers to demonstrate the sustainability performance of their products through science-based tools & approaches like **Life Cycle Assessment (LCA)**. LCA shows the environmental impacts of a product through its entire life cycle, right from extraction of natural resources to end-of-life disposal, i.e. cradle-to-grave. Policies like extended producer responsibility (EPR), environmental product declarations (EPD), etc. are based on Life Cycle approaches.

LCAs require quantification of material and energy flows in the production and consumption cycle. In practice, LCAs become expensive and time consuming due to lack of easily available background data. Currently, most LCAs of Indian products use background data from global datasets that do not represent Indian conditions and can therefore give misleading results. Though some international LCA consultants and service providers have collected Indian data sets in the past, there is no Indian LCA database as such.

Federation of Indian Chambers of Commerce and Industry (FICCI) New Delhi is working on LCA capacity development in India since 2011 and recently collected Life Cycle inventory datasets from agriculture, textile and apparel sectors which can benefit Indian textile manufacturers. AIC NIFT-TEA and FICCI will conduct a workshop-cum-knowledge sharing session on this work in partnership with ecoinvent Center and Quantis from Switzerland. Participation is open to those interested in getting started with Life Cycle Assessments and learning more about harnessing the power Life Cycle Thinking to meet sustainability targets. **There is no course fee; however participation is by invitation only and certificates will be issued to participants who attend all sessions and complete the exercises.**

Workshop Topics

Getting started with Life Cycle Thinking and Life Cycle Assessment

Context Setting: Life Cycle Thinking, Benefits and, Applications

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

LCA Case Studies and Hands on Exercises/Interactive Games on LCA

LCA Databases: Using LCI databases, developing datasets, data quality and reviews

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

Global Developments in LCA applications: Product and Organisation Environmental Footprint (PEF, OEF), Science Based Targets (SBT), Land Use Change (LUC) Guidance

Moderated Q&A session

For confirming your participation in the program, please fill in attached form and mail to:

Aayushi Koorich , FICCI Quality Forum, Federation House, Tansen Marg, New Delhi-110001

Email: ilcm@ficci.com

Phone: +91-11-23487211 | 23487221

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Participant Name	Designation	Email	Contact Number

Organization:

Address:

Company Website:

City:

State:

Telephone: +91

Fax: +91

Are you a member of the India LCA Alliance (ILCAA) or would like to join?

ILCAA (www.indialca.com) is a free and easily accessible Indian LCA network and knowledge sharing platform that enables professionals interested in LCA to come together and learn from one another

Already a member
 Want to join
 Not interested

What is your level of acquaintance with LCA?

No acquaintance
 Little knowledge
 Full knowledge

Is your current role related to sustainability issues: Yes No

If yes, please provide some details:

Please list below any particular topic/issue in sustainability that you are especially interested in:

Please email the completed form to:

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