Life Cycle Assessment for Mining and Minerals Industry

Mining, minerals and base metals industry has a significant impact on the environment. This course will focus on qualitative causes and effects, but also gives tools to define quantitative environmental footprint values of the processes.

DATE AND VENUE

Monday February 13, 2016 at Melbourne
CSIRO (Ian Wark Lecture Theatre) – Central Reception, Research Way, Clayton VIC 3168, Australia

AGENDA - MELBOURNE

9:30 a.m. Arrival and coffee, Registration
10:00 – 10:10 Dr Nawshad Haque (Team Leader, CSIRO): Welcome & introduction.
10:10 – 10:15 Mr. Jonathan Law (Director Mineral Resources) welcoming on behalf of CSIRO.
10:40 – 11:00 Tea/coffee break
LCA Case Studies I
11:00 – 11:30 Dr Nawshad Haque (CSIRO): LCA for mining, mineral processing and metal production – current status and future directions.
11:30 – 12:30 Dr Antti Roine (Technical Director, Modelling and Simulation, Outotec): (i) Integration of flowsheet with LCA using HSC Chemistry® process modeling software and (ii) Silver refining case.

12:30 – 1:30 p.m. Lunch break
LCA in mining: presentations and discussion
1:30 – 2:00 Tim Grant (Director, Life Cycle Strategies, and President, Australian Life Cycle Assessment Society): How the AusLCI database development can be useful to the mining sector – Experience from AusAgLCI.
2:00 – 2:30 Dr Jeff Vickers (LCACP), Senior Consultant (ThinkStep) and Dr Barbara Nebel (President, Life Cycle Association of New Zealand) – Unearthing the value of LCA and EPDs for the mining, metals and minerals sectors.
2:30 – 3:00 Jonas Bengtsson (CEO and Co-founder, Edge Environment) – Experience with addressing challenges for data for organisational LCA studies.

3:00 – 3:30 Coffee/tea break
3:30 – 4:30 Discussion chaired by Dr. Roine: How can the mining sector maximize the benefits of LCA - what stands in the way? Identification of opportunities and challenges. What has industry done to meet environmental requirements?

4:30 pm Close

Further Contact: Nawshad.Haque@csiro.au or 0434141506