SO 14046 Water Footprinting & Water Impact Assessment in LCA

Anne-Marie Boulay, École Polytechnique of Montreal, Canada
Stephan Pfister, ETH Zürich, Switzerland

Abstract

This course will cover all the basic knowledge, scientific and practical, related to water footprinting, as defined in the upcoming ISO standard 14046. An overview of the content and requirements of the standard will be presented as well as a brief description of existing methods at the inventory and impact assessment levels. A case study will be presented in details, exploring all technical aspects associated with calculating your own water footprint and reducing its uncertainty with the least efforts.

Course objectives

- Gain insight into the new draft standard on Water Footprinting ISO 14046 and the different types of water footprints
- Understand the variety of impact assessment methods available and how they relate
- Discover the requirements, techniques and tools to perform a water footprint
- Be capable of identifying the relevant issue for a specific study and where to focus your efforts
- Understand the uncertainty in a water footprint study and how to reduce it

Course level

Introductory