

Life Cycle Data and Modeling Developments: challenges and solutions

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Much is happening to mainstream life cycle approaches these days. Given the criticality of well characterized, accurate, and relevant data that are readily exchangeable and interoperable across the globe, this session aims to present the range of ongoing research, development, and applications to support practitioners and decision makers. Included in the session topics are forums and working activities around making data sharable in the international and national arenas from a guidance and standardization perspective. Also included are recent developments in making data public, data review procedures and criteria, nomenclature and flow naming conventions, and ensuring user awareness of data quality characteristics during dataset development and data selection. The latter is often referred to as the documentation of meta-data, and efforts towards agreeing common frameworks on meta-data reporting are also invited to this session. IT infrastructures and solutions to facilitate interoperability and data conversion across different formats/standards are also included. All life cycle based approaches, Life Cycle Assessment (inventory and impact assessment), hotspots analysis, environmental product declarations and labels, and others are accommodated as long as the focus is on databases, data, and meta-data.