



15TH MAY 2026, 8:40 A.M. - 11:30 A.M.
ROOM A224, POLO FERRARI 1 - VIA SOMMARIVE 5, TRENTO

This seminar presents the role of high-quality Life Cycle Inventory (LCI) data as the essential foundation for sustainable engineering and the circular economy. The research focuses on methodological frameworks for Life Cycle Assessment (LCA), using modular "Unit Processes" with traceable supply chains and system models capable of accurately allocating environmental burdens in complex industrial environments.

In addition, a practical case study on zamak production is introduced, designed to model both primary and secondary production routes, prevent data imbalances, and ensure long-term functionality through rigorous mass balance validation.

These advanced data management strategies offer promising evidence-based solutions for industrial environmental assessment and open new perspectives in sustainable product design and engineering decision-making.



Speaker: Eng. Antonella Polimeno Camastra
Data analyst, Ecoinvent (Zurich)

Building Reliable LCI Data: The Foundation of Sustainable Engineering

DII SEMINAR

