



Antonio Valente

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Antonio supports the maintenance and developments of sectors related to Electronics and Energy storage in the ecoinvent database. He was an active member of the previous Clean Hydrogen Sustainability and Circularity Panel (2024-2025). Antonio is an environmental engineer with a PhD in Industrial Technologies with a thesis on the Life Cycle Sustainability Assessment of Hydrogen Energy Systems. He completed a postdoc at ETH Zürich and has been involved in various international institutional research projects related to LCA of energy systems. He served as a scientific officer at the Joint Research Centre (JRC) of the European Commission. In this role, he supported the development and maintenance of the European Platform on LCA and the Environmental Footprint (EF) database. He also contributed to the implementation of the EF Method in the new EU Battery Regulation, specifically in defining the rules for calculating the Carbon Footprint of Electric Vehicle Batteries.

In his research activities, Antonio has contributed to over 30 scientific articles and 30 conference contributions, primarily focused on hydrogen energy technologies. Since 2018, he has served as the Secretary and Treasurer of the Hydrogen Energy Systems Division within the International Association of Hydrogen Energy.