

# Result 1

## Consolidated Alpine-wide LCA dataset

CEFoodCycle

Within the CEFoodCycle project, consolidated Alpine-wide life cycle assessment (LCA) datasets for selected food product categories were developed using primary and secondary data. These datasets quantify key resource use and emissions across regionally adapted food systems and form a robust evidence base for the development of FoodCycle.ai, as well as for education, research, and policy development. Targeted knowledge transfer throughout the project supported tool development and strengthened stakeholder capacity across the Alpine food system. Dissemination via Circular Food Hubs provided businesses with an accessible entry point to LCA and initiated new food hub collaborations, including pilot activities. In parallel, results were shared with the scientific community through a presentation at the ReTaste Conference 2024, contributing to academic exchange and methodological advancement.



## Further Resources



### **A Review on the current Status of Food Waste Life Cycle Analysis and the used Methodology** [part of D.1.1.1]

This review provides a concise introduction and overview on Life Cycle Analysis (LCA) studies on food waste and food products. The respective methodologies are explored and compared.



### **Adapting Agri-Food Data for Environmental Footprinting in Regional Contexts in the Alpine Region:**

#### **Part 1: Agriculture & Part 2: Processing to Retail.** [part of D.1.1.2]

To assess the different practices and contexts within agricultural systems, relevant for Environmental Footprinting in the Alpine Region, a comparison of national and regional data was conducted as part of the CEFoodCycle project. Part 1 focuses on Agriculture, part 2 focuses on Processing to Retail.



### **Blueprint for an emerging sustainable circular future in the food sector** [part of O.1.2]

This whitepaper conveys key insights into strategies to minimise food waste and to understand the key stakeholders in the food value stream in the participating countries.