



Università
di Catania

Di3A
Dipartimento di Agricoltura
Alimentazione e Ambiente



Designing Sustainable Agri-food Systems through Life Cycle Assessment: integrating nutritional and health aspects



MAY 15, 2024

9:00 AM - 2:00 PM

UNIVERSITY OF CATANIA

DEPARTMENT OF AGRICULTURE, FOOD AND ENVIRONMENT

Via Santa Sofia, 100, Catania - G Room

TO PARTICIPATE ONLINE:

**CLICK
HERE**

SCIENTIFIC AND ORGANISING COMMITTEE:

Paolo Guarnaccia (UNICT - Di3A)

Silvia Zingale (UNICT - Di3A)

Sarah McLaren (MASSEY UNIVERSITY, NZ)

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Students of Di3A participating in the conference will be awarded with 0.25 CFU

PROGRAMME

9.00 - Opening of the Conference

Greetings

Mario D'Amico (Director of Di3A) and Antonio Biondi (Coordinator of Di3A PhD Courses)

Introduction and moderation

Paolo Guarnaccia (Professor in Organic Agriculture at Di3A)

Keynote speeches

9.30 - The urgency of transitioning towards net regenerative agrifood systems (Donald Huisingh, University of Tennessee, USA)

10.00 - Evaluating environmental impacts of agricultural systems and food by LCA: challenges, potentials, and limitations (Thomas Nemecek, Agroscope, CH)

10.30 - Introduction to Nutritional LCA: state of the art, challenges, and ways forward (Sarah McLaren, Massey University, NZ)

11.00 - Coffee Break

LCA Case Studies on agricultural systems, foods, meals, and diets

11.15 - Multifunctional LCA of durum wheat cropping systems in Sicily (Carlo Ingrao, University of Bari, IT)

11.30 - Agronomic innovation and environmental impacts: the case of biostimulants (Claudio Calia, University of Bari, IT)

11.45 - A proposal for a new pasta nutritional quality index and its integration into LCA (Silvia Zingale, University of Catania, IT)

12.00 - A novel LCA-based indicator for food dishes and perspectives for future developments (Francesco Arfelli, University of Bologna, IT)

12.15 - Nutritional, health, and environmental dimensions of Swiss consumption trends (Alba Reguant-Closa, Agroscope, CH)

12.30 - Panel Discussion and Conclusions