



'Cornucopia'  
Arno Coenen and Iris  
Roskam  
Markthal - Rotterdam

**PhD degree: Biodiversity in Agriculture and Forestry**  
**Fall seminars – 12 Dec, 2024**

# **Water resources management**

Lectures :

«Uncertainties and misconceptions as hidden threats towards sustainable irrigation water management»

Prof. Anna Dalla Marta

«APP to manage crop irrigation»

Prof. Carmelo Maucieri

**Microsoft Teams link:**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_MjZlMWQ3ZWQtNzI3S00OGU2LWI4NjEtYzdkYzE5MDk2M2Yz%40thread.v2/0?context=%7b%22Tid%22%3a%22bf17c3fc-3ccd-4f1e-8546-88fa851bad99%22%2c%22Oid%22%3a%221e54c35a-a093-4ce5-8f3f-03bcdee15362%22%7d:](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MjZlMWQ3ZWQtNzI3S00OGU2LWI4NjEtYzdkYzE5MDk2M2Yz%40thread.v2/0?context=%7b%22Tid%22%3a%22bf17c3fc-3ccd-4f1e-8546-88fa851bad99%22%2c%22Oid%22%3a%221e54c35a-a093-4ce5-8f3f-03bcdee15362%22%7d:)

or Aula E

**Prof. Anna Dalla Marta**

**anna.dallamarta@unifi.it**

2000: Master Degree in Tropical and Subtropical Agricultural Sciences at the University of Firenze (Italy)

2004: PhD in Soil Science and Climatology at the University of Firenze (Italy)

2015-2018: Assistant Professor (RTDA) of Agronomy - University of Firenze

2018-2021: Assistant Professor (RTDB) of Agronomy - University of Firenze

2021-current: Associate professor of Agronomy - University of Firenze

Delegate for International Relations at the School of Agriculture, University of Firenze

Member of the Academic Board, PhD Program in Agricultural and Environmental Sciences – University of Florence and Program in Climate Change and Sustainable Development, IUSS Pavia

Field Editor of the Italian Journal of Agrometeorology and Associate Editor of Irrigation and Drainage

Main research activities include agrometeorology, precision agriculture, and sustainable crop production. She has conducted field and modeling studies to assess the impact of sustainable agronomic practices, such as fertilization and irrigation, on crop productivity and yield quality under current and future climate scenarios.

Author or co-author of over 90 ISI/Scopus publications, invited speaker at more than 10 national and international events, and Principal Investigator in several research projects

**Prof. Carmelo Maucieri**

**carmelo.maucieri@unipd.it**

2010: Master Degree in Tropical and Subtropical Agricultural Sciences and Technologies at the University of Catania (Italy)

2012: 3 months at the Faculty of Health Sciences (University of Ljubljana) to develop a research project entitled "Evaluation of constructed wetland systems".

2015: PhD at the Crop Production PhD school – University of Padua (Italy)

2015-2016: visiting researcher for 6 months at the Centre for Carbon, Water and Food (University of Sydney) with a project entitled "Evaluation of methane and nitrous oxide emissions in Australian agro-ecological systems".

2016: research activity at the Zurich University of Applied Sciences (ZHAW) in a project titled "Effects of monoculture and intercropping on vegetables marketable production in small-scale aquaponic system".

2019-2021: Temporary researcher (Type A) of Agronomy and field crops - University of Padua

2021-2022: Temporary researcher (Type B) of Agronomy and field crops - University of Padua

2022-present.: Associate professor of Agronomy and field crops - University of Padua

The actual research topics are: crops irrigation, cover crops, organic fertilization, constructed wetlands, soil greenhouse gas emission, biomass production and smart fertilization.

Author/co-author of over 78 ISI/Scopus publications, 37 oral presentation at international and national conferences, 10 book chapters and 76 contributes to international and national conferences.