

MONDAY 02, FEBRUARY 2026

14:00 - 14:30

Registration

14:30 - 15:00

Opening session

SESSION 1 - Soil ecology in a changing environment

Moderator: Antonio Caporale, University of Naples

15:00 - 16:00

Microbial growth as a key driver of soil processes
Andreas Richter, University of Vienna

16:00 - 16:30

Coffee Break & Poster Session

16:30 - 17:15

Living dry: microbial physiology under drought
Alberto Canarini, University of Bologna

17:15 - 18:15

Crop diversity modulates nutrient availability, enhancing soil health and yield in Brazil
- Bruna Emanuele Schiebelbein, University of São Paulo

Biological Drivers of Soil Carbon Stabilization under Sustainable Management in Tropical Systems - Victória Santos Souza, University of São Paulo

From Numerical Model to Soil: A Parametric Study of Controlled Nutrient Release for Sustainable Agriculture - Darya Zhurauliova, Brno University of Technology

Effects of regenerative organic agriculture on soil quality and plant biochemistry - Pavel Chechenkov, University of Ferrara

Investigating the impact of warming on soil organic carbon pools and crop yields - Fatma Abdelkefi, University of Verona

Soil phosphorus levels modulate the effects of bacillus thuringiensis inoculation on maize - Andre Luiz de Freitas Espinoza, University of São Paulo

18:15

Get together - Welcome Aperitif

TUESDAY 03, FEBRUARY 2026

SESSION 1 - Soil ecology in a changing environment

Moderator: Enrico Buscaroli, University of Bologna

09:00 - 10:00

New perspectives on P fertilization: a critical issue for ensuring food security
Antonio Delgado Garcia, University of Seville

10:00 - 10:45

Soil degradation and threats to soil health
Carlo Porfido, University of Bari

10:45 - 11:15

Coffee Break & Poster Session

11:15 - 12:00

Driving innovation for sustainable agriculture by investing in soil health
Claudio Screpanti, Syngenta Soil Center

12:00 - 13:00

Agroecological management improves soil functionality and enhances ecological resilience under Mediterranean conditions: A case study in apple-based intercropping systems of Sefrou Province, Morocco - Ayat Bouchra, Moulay Ismail University

Compost-mediated retention of organic xenobiotics in amended agricultural soils - Nicola Denora, University of Bari

Enhancing soil resilience through soil nature-based solutions: integrating environmental, social, and economic dimensions of sustainable soil management for climate resilience - Daniel Ruiz Beamonte, Polytechnic University of Catalonia

Anaerobic co-digestion of Brewery's Spent Grain with walnuts from wood-production trees, to achieve optimal C/N ratio and improve the biogas yield - Jessica Di Mario, University of Perugia

Agronomic Evaluation of Phosphate Organomineral Fertilizer Produced from Aquatic Macrophyte Compost - Felipe Carniel, University of São Paulo

From agri-food waste to multifunctional soil improvers: biostimulation and nematode suppression in tomato plants - Chiara Di Natale, University of Bari

13:00 - 14:00

Light Lunch & Poster Session

SESSION 2 - Plant adaptation to climatic stresses

Moderator: Silvia Celletti, University of Turin

14:00 - 15:00	<i>Soybean development on heat and drought stress</i> Tiago Tezotto, <i>University of de São Paulo</i>
15:00 - 15:45	<i>Contamination by micro and nanoplastics: what is the effect on plants?</i> Costanza Ceccanti, <i>University of Pisa</i>
15:45 - 16:15	<i>Coffee Break & Poster Session</i>
16:15 - 17:00	<i>The role of sulfur in plant adaptation to abiotic stresses</i> Eleonora Coppa, <i>University of Tuscia</i>
17:00 - 18:00	<i>No-Till Practice Enhances Faba Bean Productivity and Nodulation Resilience under Climate Stress</i> - Wafae Sellami, <i>Morocco National institute of agronomic research</i> <i>Climate-driven shifts in olive suitability across the Mediterranean basin</i> - Giacomo Belvisi, <i>University of Palermo</i> <i>Innovative bacterial bioinoculants based on biopolymers</i> - Martin Súkenik, <i>Brno University of Technology</i> <i>Isolation and Characterization of Stress-Adapted Plant Growth-Promoting Rhizobacteria Associated with Tomato Under Salinity and Drought Conditions</i> - Amna Chaudhry, <i>Free University of Bolzano</i> <i>Research and development of amaranth (Amaranthus spp.) cultivation in Castile & Leon throughout the entire value chain</i> - Sandra Macías Naranjo, <i>University of Salamanca</i> <i>K and Mg partitioning in coffee plants under high K and low Mg supply</i> - Vinycius Resplandes, <i>University of São Paulo</i>

Wednesday 04, February 2026

SESSION 3 - On field experiment and hands-on activities

Moderator: Monica YA Zuluaga (Free University of Bolzen)

Andrea Ciurli (University of Bologna)

09:00	<i>Moving to Cadriano experimental facility</i> <i>Experimental farm presentation</i> - Claudio Ratti, <i>University of Bologna</i> <i>Agronomic challenges in Bologna (and beyond...)</i> - Lorenzo Negri, <i>University of Bologna</i>
09:45 - 11:30	<i>Precision Orchard Management</i> - Giulio Perulli, <i>University of Bologna</i> <i>INTERRA@scan: technologies for measuring the properties of agricultural soils</i> - Giacomo Purromuto, <i>Business Innovation Lead di Syngenta Italia</i>
11:30 - 13:00	<i>Farm visit and return to DAMSLab</i>
13:00 - 14:00	<i>Light Lunch</i>
14:00 - 16:00	<i>Participants' activity: Focus group</i>
16:00 - 16:30	<i>Coffee Break & Poster Session</i>
16:30 - 18:00	<i>Round-table: ethics in research and publication</i> F. Cotrufo, A.D. Garcia, T. Tezotto, F. Adani, L. Ricciardi (Frontiers)
20:00	<i>Social Dinner & Awards</i>

THURSDAY 05, FEBRUARY 2026

SESSION 4 - Organic biomasses valorization and reuse

Moderator: Gianluca Brunetti, University of Marche

09:00 - 10:00

From biomass and organic waste to the bioeconomy
Fabrizio Adani, University of Milan

10:00 - 10:45

*From Afrodite to Armonia: a process that enhances
a matrix to exalt its essence*
Clizia Franceschi & Michele Rossin, Research Center F.O.M.E.T.

10:45 - 11:15

Coffee Break

11:15 - 12:00

*A biorefinery approach for the sustainable reuse
of biomass in agriculture*
Daniela Pezzolla, University of Perugia

12:00 - 12:45

*A Holistic Approach to Nutrient and Biomass Recovery from
Urban and Agro-Industrial Wastewater*
Sofia Maria Muscarella, University of Palermo

12:45 - 14:00

Light Lunch

CLOSING LECTURE

Moderator: Martina Mazzon, University of Bologna

14:00 - 15:30

*Advancing understanding, quantification and forecasting
of soil organic matter dynamics to transform challenges
into opportunities*

Francesca Cotrufo, Colorado State University

15:30 - 16:00

Closing session



School Venue

DAMSLab Auditorium

Piazzetta Pasolini 5b, Bologna

ITALY





Wednesday 04, 8:00 PM

**CANTINA
BENTIVOGLIO**

VIA MASCARELLA 4/B
40126 - BOLOGNA

20 min. by foot from the DAMSLab

