



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF AGRICULTURAL
AND FOOD SCIENCES



II• Summer School of AgroEcology

Bologna, September 13-17, 2021

Aula Magna, Department of Agricultural and Food Sciences

Viale G. Fanin, 44, Bologna, Italy



The II° Summer School is organized as part of the activities of the International Project “Participatory AgroEcology School System – PASS”. PASS has been financed on a competitive basis by the University of Bologna to support international cooperation activities of its Departments and involves Universities from Northern and Southern America and Europe.

Project Coordinator: Prof. Adamo Domenico Rombolà

Objectives

- Describe the ecological role of biodiversity in the functioning of agroecosystems and their management in agro landscapes.
- Learn how to design and manage agroecological systems to produce crops.
- Learn how to assess sustainability and resilience at the farm and landscape level.
- Prevent soil, genetic, knowledge erosion and land abandonment.
- Promote One Health and active citizenship.

Outcomes

- Understanding the process and factors that affect the conservation and management of agricultural biodiversity.
- Becoming familiar with the principles of AgroEcology and their application in the design of resilient, biodiverse, efficient, and productive agroecosystems.
- Know how to use agroecological methodologies for sustainability and resilience assessment.
- Familiarity with agroecological practices and vision and alternative food systems.
- Development of soft skills and systemic thinking.

The Faculty is composed of the Academic staff of the University of Bologna, staff of Universities that participate in the PASS Project (University of Belgrade, Institute for Multidisciplinary Research, Serbia; University of California Berkeley, USA; Universidad de Chile, Chile; Universidade Estadual Paulista, Brazil; University of Minho, Department of Biology, Portugal) and staff from other Partners (Colegio de la Frontera Sur, Mexico; University of Comahue, Argentina; University of Cordoba, Spain; ELTE University, Hungary; University of Maribor, Slovenia).

Participative Summer Days Devoted to AgroEcology

Monday, September 13, 2021

8:00 – 8:45 | Reception

8:45 – 9:00 | Institutional Welcome

9:00 – 9:15 | The II° Summer School of AgroEcology
Adamo Domenico Rombolà – University of Bologna, Italy

9:15 – 10:15 | Agroecology and One Health
Alessandra Scagliarini – University of Bologna, Italy

10:15 – 10:30 | **BREAK**

10:30 – 11:30 | Research and Public Health
Fiorella Belpoggi – Ramazzini Institute, Italy

11:30 – 12:30 | Green Technologies for Urban Resilience
Alessandra Bonoli – University of Bologna, Italy

12:30 – 14:00 | **LUNCH**

14:00-15:00 | Locally produced, at EU level protected
Silva Grobelnik Mlakar – University of Maribor, Slovenia

15:00 – 16:00 | Organic production of ancient wheat
Giovanni Dinelli – University of Bologna, Italy

16:00 – 16:30 | **BREAK**

16:30 – 17:30 | Scientific basis of AgroEcology: principles and application
Miguel Altieri – University of California Berkeley, USA

17:30 – 18:30 | AgroEcology in Peasant Communities
Peter Rosset – Colegio de la Frontera Sur, Mexico

Tuesday, September 14, 2021

9:00 – 10:00 | Plant-environment interactions: from intracellular processes through to climate change
Hernâni Gerós – University of Minho, Portugal

10:00 – 11:00 | Climate change and food security
Elisa Magnani – University of Bologna, Italy

11:00 – 11:15 | **BREAK**

11:15 – 12:00 | Agroecological management and biodiversity of agricultural ecosystems
Adamo Domenico Rombolà – University of Bologna, Italy

12:00 – 13:00 | Transversal skills in higher education: reflecting on PASS and Autumn School
Elena Pacetti – University of Bologna, Italy

13:00 – 14:00 | **LUNCH**

14:00 – 15:00 | Agroecological transformation experiences in Patagonia, Argentina
Maria Claudia Dussi – National University of Comahue, Argentina

15:00 – 16:00 | Agroecology in Brazil
Renato Botelho – University of Centro-Oeste, Brazil

16:00 – 16:30 | Economic impact of Agroecology
Maurizio Aragrande – University of Bologna, Italy

16:30 – 17:00 | **BREAK**

17:00 – 18:00 | Management of biodiversity in agroecosystems and biological control of pests
Clara I. Nicholls – University of California Berkeley, USA

Wednesday, September 15, 2021

10:00 – 11:00 | Soils of the Mediterranean area

María Carmen del Campillo – University of Cordoba, Spain

11:00 – 11:15 | **BREAK**

11:15 – 12:30 | Soil ecology: using soil nematodes as bioindicators of key soil processes

Sofia Costa – University of Minho, Portugal

12:30 – 13:00 | Solidarity Economy

Francesca Marconi – Solidarity Economy Forum, Italy

13:00 – 14:00 | **LUNCH**

14:00 – 16:00 | Plant adaptations to the environment

Nina Nikolic – IMSI, University of Belgrade, Serbia

16:00 – 16:15 | **BREAK**

16:15 – 17:30 | Plant nutrition: an ecological approach

Miroslav Nikolic – IMSI, University of Belgrade, Serbia

17:30 – 18:00 | Agroecological fruticulture in desertic areas

José Covarrubias – Universidad de Chile, Chile

18:00 – 18:30 | Spectroscopic tools for agroecological research

Michele Di Foggia – University of Bologna, Italy

Thursday, September 16, 2021

9:00 – 10:00 | Agroecological control of insects

Giovanni Burgio – University of Bologna, Italy

10:00 – 10:30 | Urban Agroecology

Giovanni Bazzocchi – University of Bologna, Italy

10:30 – 10:45 | **BREAK**

10:45 – 11:15 | Agroecology and Tourism

Valentina Albanese – University of Bologna, Italy

11:15 – 12:00 | Local markets for food sovereignty

Germana Fratello – Campi Aperti Association, Bologna, Italy

12:00 – 12:30 | Ecological Sustainability of Rural Properties in São Paulo, Brazil

Filipe Pereira Giardini Bonfim and Giuseppina Pace Pereira Lima – São Paulo State University, Brazil

12:30 – 13:30 | Nanomaterials as an environmental threat

Ferenc Fodor – Eötvös Loránd University, Hungary

13:30 – 14:00 | **LUNCH**

14:00 – 18:30 | **Field Trip – Multidisciplinary Open Air-Creative Participatory School**

Friday, September 17, 2021

8:00 – 17:00 | Field Trip – Multidisciplinary Open Air-Creative Participatory School

17:00 – 17:30 | Delivery of Attendance Certificates

**Participation is free and reserved to students.
For the selection procedure, the candidates should send their CV, including
motivations to:**

adamo.rombola@unibo.it by September 10th, 2021.

A Certificate of Attendance will be delivered to participants.