

International Summer School

Wood and charcoals in Mediterranean forest ecology: anatomical identification and functional traits to interpret past and current climate changes.



21-25 June 2021

Dept. Agricultural Sciences + Online
University of Naples Federico II
Portici, Naples (Italy)

NEW
In presence/Virtual
Hybrid event



Content

The Summer School will provide an overview of basic and innovative methods, tools and approaches for the analysis of plant samples to reconstruct past vegetation and to evaluate the species plasticity to environmental changes, in order to make projections for the future of Mediterranean forests and shrublands

The course will include field-work training and hands-on laboratory sessions. Students will be involved in all aspects of wood and charcoal research: from sample preparation to data analysis and interpretation.

Main Topics

- History and biogeography of Mediterranean woody species
- Wood/charcoal identification (sample preparation, microscopy, identification and use as proxies)
- Quantification of wood anatomical functional traits (sample preparation, microscopy, digital image analysis and functional interpretations)
- Radiocarbon dating of samples (accelerator mass spectrometry - AMS) paleopedology and geoarchaeology

Instructors and Lectures

Angela Balzano (Univ. Ljubljana - SI)
Paolo Cherubini (WSL- CH)
Claire Delhon (CNRS - F)
Alessia D'Auria (Univ. Perugia - I)
Veronica De Micco (Univ. Naples - I)
Gaetano Di Pasquale (Univ. Naples- I)
Mauro Di Vito (INGV Naples - I)
Frederic Lens (Naturalis - NL)

Carmine Lubritto (Univ. of Campania - I)
Pier Paolo Petrone (Univ. Naples - I)
Fabio Scarciglia (Univ. Calabria - I)
Francesco Sirano (Arch. Park of Hercul.)

Elisabeth A. Wheeler

InsideWood web site:

Potentials and pitfalls

Georg Von Arx

Q-net: how to join us!

Organizing Committee

Veronica De Micco; Gaetano Di Pasquale ; Alessia D'Auria
Chiara Amitrano; Nicola Damiano

Secretariat

Stefania Cuocolo; Mariangela Fischetti ; Adriana Forlani



ACCADEMIA ITALIANA
DI SCIENZE FORESTALI