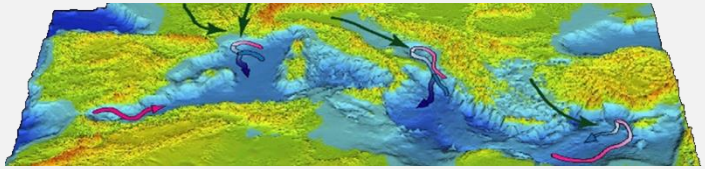
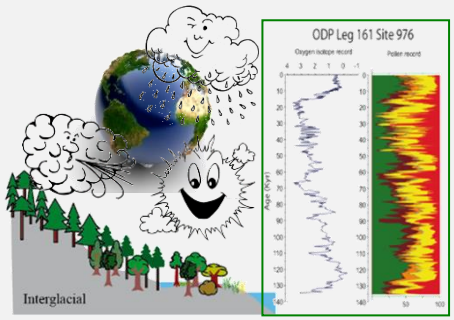
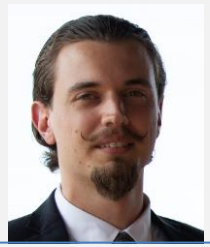
Quaternary paleoenvironments and paleoclimate in the Mediterranean area

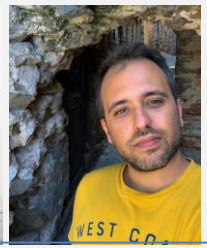
Firenze 05-07.12.2022 – Sala Strozzi







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The future of Mediterranean ecosystems and landscapes is clearly tied to water availability and global climate change. While modern vegetation data from the region provide a baseline for understanding relationships between aridity and vegetation composition, paleoecological records bring support for understanding vegetation responses at longer time scales. Paleoecological records show that aridity, as a feature of the Mediterranean basin, appeared early, gradually increasing up to the present time. Italy represents one of the most informative Mediterranean areas to: (i) reconstruct the response of vegetation to various climatic stresses; and (ii) assess the likely future behavior of Mediterranean plants. Furthermore, the Italy's rich geological and stratigraphical record makes it (iii) a significant source of information on the history of Mediterranean.

Italian Association of Quaternary Research
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AIQUA

UNIVERSITÀ DEGLI STUDI FIRENZE
DST DIPARTIMENTO DI SCIENZE DELLA TERRA

HNHP UMR 7194 Histoire Naturelle de l'Homme Préhistorique

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UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO
Dipartimento di Scienze della Terra e Geoambientali

ISEM
Institut des Sciences de l'Evolution-Montpellier

Quaternary paleoenvironments and paleoclimate in the Mediterranean area – MAIN PROGRAM

05.12.2022 – SALA STROZZI

09:00-11:00 *Introduction to palynology. From the samples to the palynological slides*

11:00-12:30 **PRACTICAL PALYNOLOGY**: Pollen morphology

14:00-16:00 *Paleoenvironment and paleoclimate changes in the Mediterranean during the Quaternary*

16:00-19:00 **PRACTICAL PALYNOLOGY**: *exercises and applications*

06.12.2022 – SALA STROZZI

09:00-11:30 Multi-method climate reconstructions from pollen data and comparison with other proxy-inferred data

11:30-13:00 Mediterranean cases of study and application of transfer functions to reconstruct paleoclimatic parameters (T, P, …)

14:00-19:00 **PRACTICAL PALYNOLOGY**: *exercises and applications*

07.12.2022 – SALA STROZZI

08:30-10:00 *Palynofacies, a useful tool for the reconstruction of morphoclimatic systems*

10:00-13:00 *Non pollen palynomorphs as a complementary tool to reconstruct human environments*

14:00-19:00 **PRACTICAL PALYNOLOGY**:
14.00-16:00: *Non pollen palynomorphs morphology*
16.00-19.00: exercises and applications

The seminar is part of the Doctoral program in Earth and Planetary Sciences – University of Florence [3 days, 24 hours, 3CFU]

It is open to students, PhD and young researchers

Patronage of AIQUA - DST contributed with the Internationalization Grant Program.

Venue: Dipartimento di Scienze della Terra, via G. La Pira 4 Firenze (Sala Strozzi).

Courses will be delivered on site and in videoconference with a link sent on request.

For the inscription and information: adele.bertini@unifi.it