Winter School On Active Tectonics And Climate Change Driven Landscape Evolution

INQUA – TERPRO commission

5 – 8 December 2022, Palermo (Italy)

First Circular

2 DAYS OF LECTURE + 2 DAYS OF FIELD TRIP

Registration fee: 200 Euro
Registration Link:
https://forms.gle/ruzspwAVDScbPz159

Winter school related with **Session 176** of **INQUA Rome 2023** congress:

"Tectonic and Climate-driven Landscape Evolution a never-ending challenge for modern society (Thoughts from LEMON project, INQUA - AIQUA)"

Abstract Submission deadline 01/11/2022

Venue:

G.G. Gemmellaro Geologic Museum

Corso Tukory 131, Palermo

For any queries contact:

Nicolò Parrino: *nicolo.parrino@unipa.it*

Eshaan Srivastava: *eshaan@iitk.ac.in*

Lecture general topics

- Morpho-depositional coastal and offshore climatic signature.
- Remotely sensed shoreline evolution, a proxy for climate change?
- Relative sea level change from 1.5 Ma using geomorphological, biological, sedimentological, and archaeological markers.
- Coastal geomorphic markers and active faulting.
- Geochronological insight on tectonically forced Landscape Evolution
- Paleoseismic and Paleotsunami studies from Andaman and Nicobar Islands.
- Active tectonics in low deformation rate regions: insight from multidisciplinary approaches.

LEMON
Landscape Evolution Marker Online Network

Travel and accommodation grant:

Applications for **students**, **Early Career Researchers**, and **Developing Countries Researchers** should contain:

- One page CV;
- Short motivation letter (max.10 lines);
- Travel and accommodation expenses;
- Required support (short budget);
- Additional funding availability.

It should be uploaded in one PDF file in the registration link.

Organized by:

- INQUA – TERPRO commission.
- Department of Earth and Marine Sciences, University of Palermo.
- Istituto Nazionale di Geofisica e Vulcanologia.
- Indian Institute of Technology Kanpur.
- Associazione Italiana per lo Studio del Quaternario.

Winter School On Active Tectonics And Climate Change Driven Landscape Evolution

INQUA – TERPRO commission

5 – 8 December 2022, Palermo (Italy)

First Circular

We are pleased to present the "*Winter School on Active Tectonics and Climate Change Driven Landscape Evolution*". It will be held in **Palermo** (**Sicily**), one of the most historical and ancient cities in Italy, next winter (5-8 December 2022) at the "***Gemmellaro Geologic Museum***" founded in 1861 by Gaetano Gemmellaro, geologist, and palaeontologist.

Corso Tukory, 131, 90133 Palermo PA

LEMON

Landscape Evolution Marker Online Network

Winter School On Active Tectonics And Climate Change Driven Landscape Evolution

INQUA – TERPRO commission

5 – 8 December 2022, Palermo (Italy)

First Circular

This winter school will host up to **30 students** and is organized under the activities of the *Landscape Evolution Marker Online Network* (LEMON project), a project developed under the umbrella of **INQUA** and its **TERPRO** commission. We organized the school into **two different parts**:

During the **5th and 6th** of **December,** we will have talks by young and experienced researchers. We will also invite attendants to share research, gather helpful tips and new collaborations through **Pico-Talks** (a **5-minute speech** followed by an interactive Q&A session).

We also plan two days of fieldwork where experienced researchers will show crucial locations in western Sicily (the **7**th **and 8**th of **December**). To date, scheduled field **trips are**:

I. Relative sea-level changes evidence in the **S. Vito Peninsula** (led by Fabrizio Antonioli);
II. Active tectonics and its interaction with sea level changes in **South Western Sicily** (led by Luigi Ferranti & Pierfrancesco Burrato);
III. Archaeo-seismological evidence of historical earthquakes within the **Archaeological Park of Segesta** (led by Carla Bottari).

LEMON

Landscape Evolution Marker Online Network

Winter School On Active Tectonics And Climate Change Driven Landscape Evolution

INQUA – TERPRO commission

5 – 8 December 2022, Palermo (Italy)

First Circular

To date, the confirmed **invited speakers** are:

Attilio Sulli – Full Professor, University of Palermo
Luigi Ferranti – Full Professor, University of Napoli
Antonino Maltese – Researcher, University of Palermo
Fabrizio Antonioli – Researcher, CNR
Jenni Robertson – Postdoc Fellow, Birkbeck College (University of London)
Javed N. Malik – Full Professor, Indian Institute of Technology Kanpur
Petra Štěpančíková – Full Professor, Institute of Rock Structure and Mechanics of the CAS (Prague)
Carla Bottari – Researcher, Istituto Nazionale di Geofisica e Vulcanologia

LEMON
Landscape Evolution Marker Online Network

Winter School On Active Tectonics And Climate Change Driven Landscape Evolution

INQUA – TERPRO commission

5 – 8 December 2022, Palermo (Italy)

First Circular

This winter school is related to **Session 176 of INQUA Rome 2023 congress** titled: "*Tectonic and Climate-driven Landscape Evolution a never-ending challenge for modern society (Thoughts from LEMON project, INQUA – AIQUA)*". With this winter school and upcoming online courses, the LEMON Working Group hopes to connect academics with various areas of expertise and methods interested in identifying landscape evolution markers. We believe that this winter school will set the way for a fruitful INQUA Rome 2023 session with engaging oral and poster presentations deepening our comprehension of landscape evolution driven by tectonics and climate.

Winter school participants are encouraged to **submit** also an abstract to **session 176**, and the Pico-Talk session could represent a perfect moment to discuss the students' ongoing research before the **INQUA Rome 2023 conference**.

Submission deadline: 01/11/2022

Submission link: https://inquaroma2023.org/abstract-submission/

Tectonic and climate-driven landscape evolution a never-ending challenge for modern society (thoughts from LEMON project, INQUA-AIQUA

Convenors: N. Parrino, E. Srivastava, P. Burrato, J.N. Malik and S. Todaro

LEMON

Landscape Evolution Marker Online Network