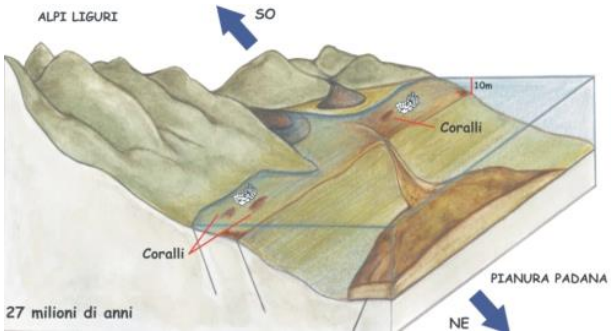
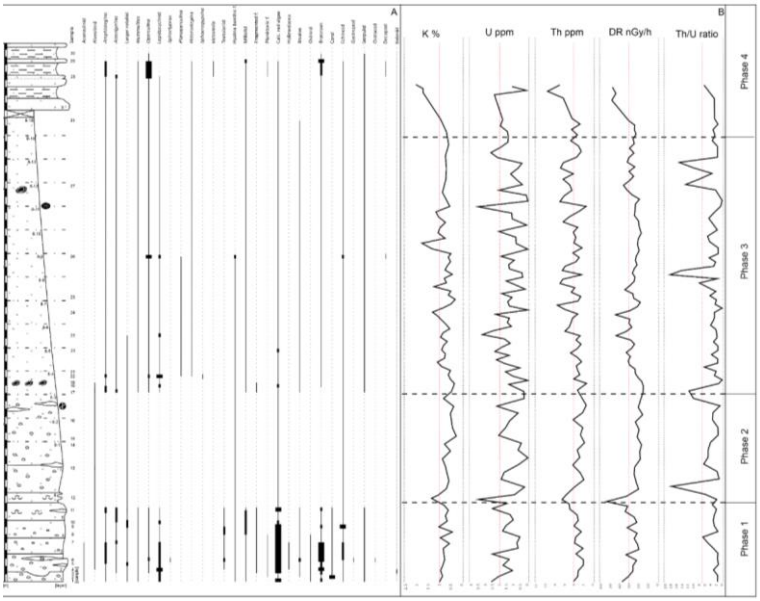
## PALAEONTOLOGY

- **Palaeoecology and stratigraphy of the Tertiary Piedmont Basin:**

This topic focuses on a palaeoecological analysis including palaeogeographic reconstruction and palaeoenvironmental characterization of the Tertiary Piedmont Basin. The stratigraphic interval considered is restricted to the upper Eocene to the upper Oligocene.




The palaeoenvironmental reconstruction is based on field work, measurements and samplinf of stratigraphic sections, microfacies analysis on rock thin section and biostratigraphic constrain by means of larger benthic foraminifera and gamma ray spectra.




**Key words**
Palaeontology, Oligocene, Tertiary Piedmont Basin

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Collaborators: Baucon Andrea

**Available funding:**

- Curiosity Driven funded by Unige
- PRIN 2017
- CARIGE sponsorship for Scientific research 2020

- **Ecosystem resilience through Cenozoic major climatic perturbation.**

  This topic focuses on palaeoecological perturbations affecting benthic communities through the Cenozoic. Different responses by specific taxa are considered as proxies to resilience in specific ecological settings. The climatic perturbation we concentrate specifically are the Middle Eocene Climatic Optimum and the Late Oligocene Warming Event. The outcrops where such events are preserved and visible are all located within the ligurian region in its westernmost sector.

  **Key Words**

  ECO, MECO, LOWE, resilience.

  **DISTAV co-workers**
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  **Available funding:**
- PRIN 2017

- **Tropical shallow water actuopalaeontology and taphonomy.**

  This topic is focused on a correlation between modern and fossil environments. Benthic community analysis in modern reefal and proximal settings is a leading way to establish valid proxies to increase our knowledge in creating detailed palaeoenvironmental reconstructions.

  **Key Words**

  Taphonomy, actuopalaeontology, proxies

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  **Available funding:**
- PhD scholarship