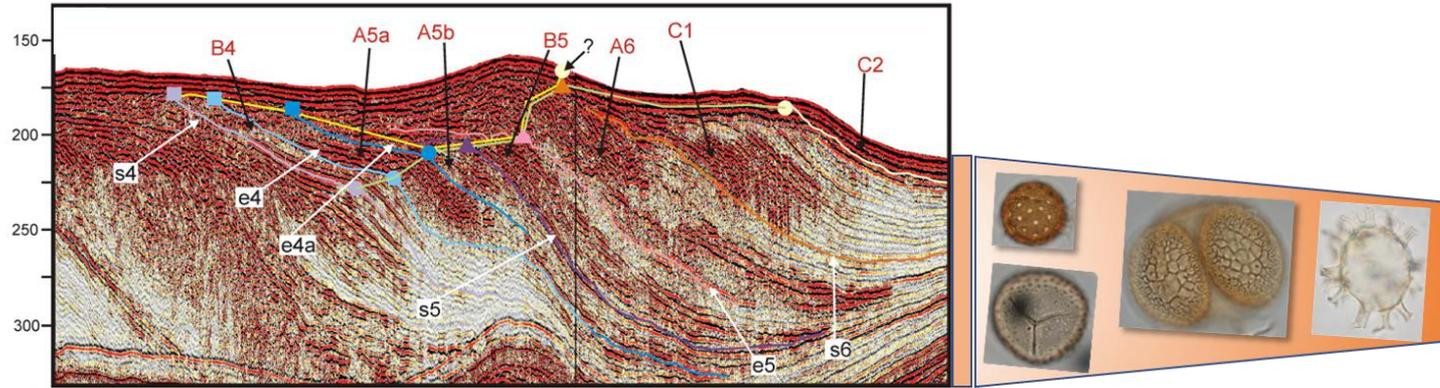


# SEQUENCE STRATIGRAPHY: PRINCIPLES AND APPLICATIONS THROUGH SEISMO-STRATIGRAPHIC AND PALYNOLOGIC ANALYSES

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**PROGRAM:** *Introducing seismic stratigraphy. Introducing sequence stratigraphy. Processes controlling sedimentation and stratigraphic sequences. Coastline Trends. Seismics and sequence stratigraphy surfaces. System tracts. Depositional sequence IV. Seismic facies and paleoenvironmental analysis. Paleoenvironmental reconstructions of shelf-edge system tracts. Paleoenvironmental reconstructions of system tracts in the continental slope. Paleoenvironmental reconstructions of deep-sea system tracts. Palynofacies and palynomorphs (pollen, spores, dinocysts and other Non-Pollen-NPP Palynomorphs) to interpret environments and depositional sequences. Description of the main palynological groups useful for deductions on sea level fluctuations and changes in the deposition environments (marine, coastal, ...). The transport of palynomorphs in the marine environment. Examples of distribution of palynological associations according to onshore - offshore transects and their relationship with the cycles of sequential stratigraphy. Case studies.*

*THE SEMINAR is part of the Doctoral program in Earth and Planetary Sciences – University of Florence and open to students, PhD and young researchers and has the Patronage of AIQUA.*

*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.*

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