

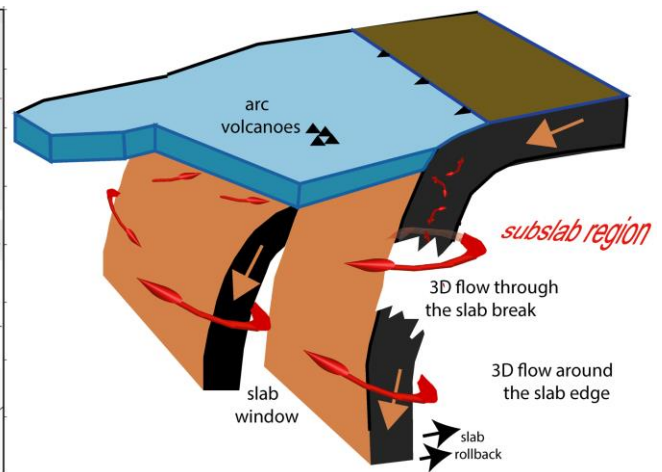
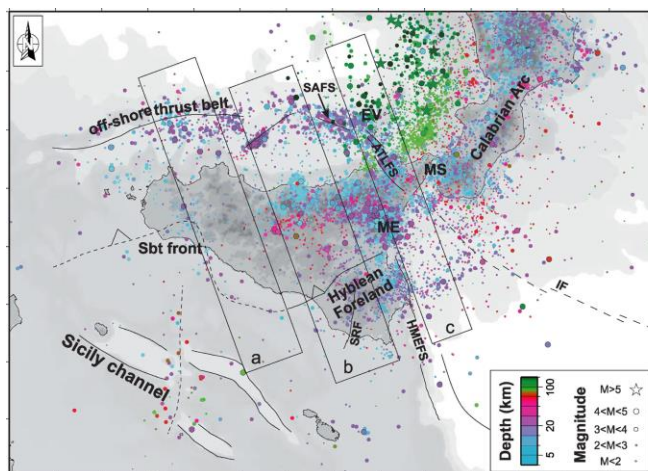
Seminario

Peeking inside the deep structure of Italy

Martedì, 12 aprile – ore 16:30 Aula Arduino

Relatore: **Dr.ssa Paola Baccheschi**

INGV – Istituto Nazionale di Geofisica e Vulcanologia, Roma



Defining the deep structure of the Italian peninsula is fundamental for understanding the Mediterranean region and its geodynamical history tightly connected with the spatial and temporal interaction between the Africa and Eurasia plates. This intricate region, caught in the grip between these two major plates, has undergone an irregular, complex temporal evolution with episodic slab rollback and retreat. In recent years, considerable progress has been made in the knowledge of the deep structure of the Italian Peninsula, thanks to an unparalleled advance in seismological data acquisition and analysis unveiling the position and character of velocity anomalies, patterns of deep seismicity, and the structure and dynamics of mantle. Taking together, these new seismological observations provide a solid foundation for constraining the deep roots of continents and the mantle-lithosphere system at different spatial scales.

Proponente: **Giulio Di Toro**