

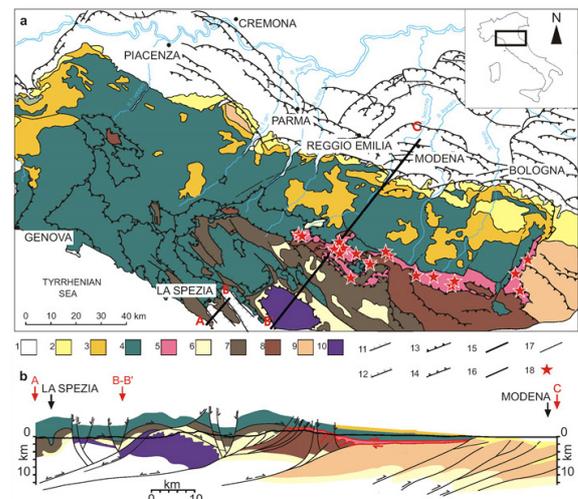
Geowissenschaftliches Kolloquium

Subduction zones, active margins and sedimentation

Donnerstag, 14. Januar 2016 - 16.15 Uhr

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The study of modern subduction systems has revealed that the processes of tectonic accretion and erosion, respectively, build and destroy their forearcs. While accretion leaves a geological record, an accretionary prism, tectonic erosion removes material through time and, therefore, it is a real challenge for field geologists to even recognize that such process has occurred during mountain building. The Northern Apennines holds memories of an early Miocene subduction erosion episode.



I got my degree in Florence and my PhD in Modena. I then went to the UK (Aberystwyth) and the US (PennState) for post-docs. I was hired at the University of Florence as a Researcher, and since 2012 I am a Reader at Royal Holloway. My research focuses on modern and “fossil” subduction systems, where I look at forearc deformation, plate boundary processes, mass balance. Lately I got interested in transform faults/fracture zones systems.

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