

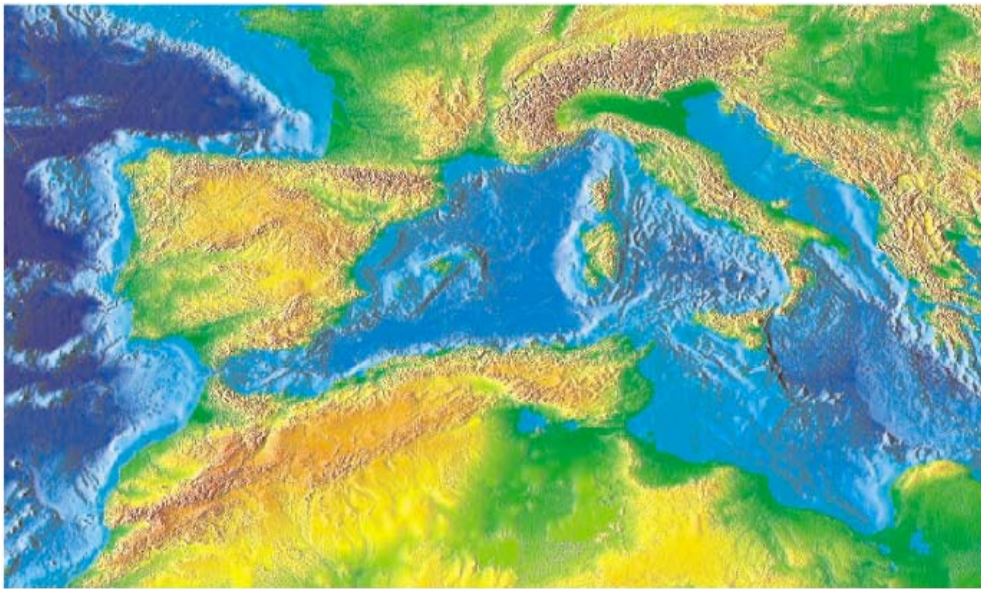
# Geodynamics of the Tethys-Mediterranean Realm

## Two-day Symposium

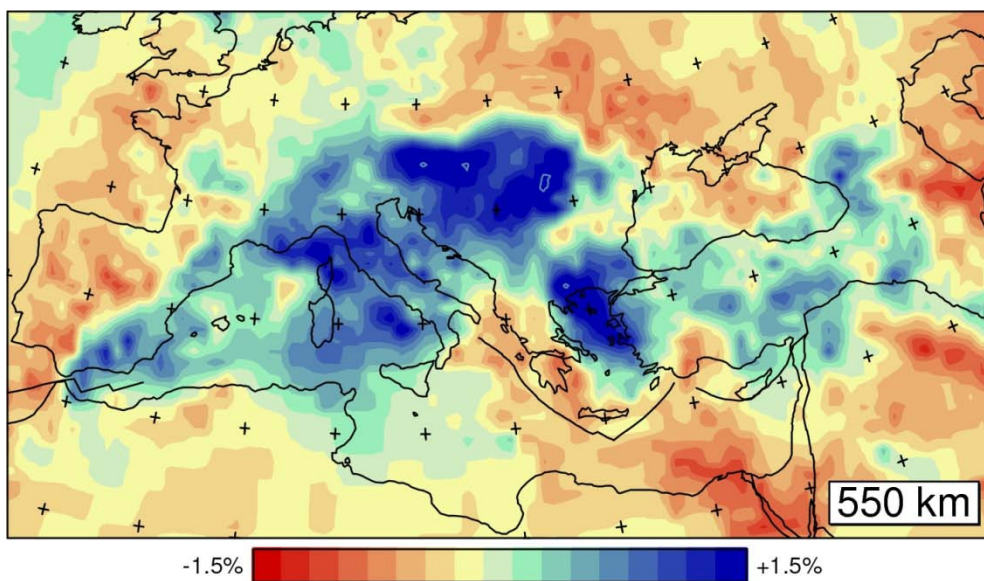
Thursday-Friday, 18.-19. March, 2010

GeoCampus Berlin-Lankwitz

House B, Room B029



Rosenbaum et al. 2002



courtesy of W. Spakman (Utrecht)

# Program

There will be plenty of time for open discussion amongst speakers and all participants.

Attendance is free of charge. Registration is not necessary, but planning of refreshments would be easier if you let us know in advance whether you will attend ([henriett@zedat.fu-berlin.de](mailto:henriett@zedat.fu-berlin.de), 030-838-70694)

## **Thursday**

- 10:15-10:30 Introduction *Mark Handy*
- 10:30-11:00 *Laurent Jolivet* (Orléans Univ.)  
Alpine subduction and upper plate deformation in the Mediterranean area
- 11:30-12:00 *Rinus Wortel* (Utrecht Univ.)  
How does the lower plate respond (stretching, tearing, detachment) to roll back, how is this manifest at depth and at the surface?

Lunch 12:30-14:00

- 14:00-14:30 *Leigh Royden* (MIT)  
What causes anomalous behaviour of the upper plate (large stretching, subsidence) during Miocene roll-back subduction (Calabrian, Alboran, Hellenic arcs, Carpathians)?
- 15:00-15:30 *Claudio Faccenna* (Univ. Roma Tre)  
Why does the Hellenic slab descend to > 700 km, whereas the Calabrian and Alpine slabs reside in graveyards within the Transition Zone?

Discussion

## **Friday**

- 9:30-10:00 *Stefan Schmid* (FU-Berlin, Humboldt Visiting Professor)  
How can former oceans be traced from the Alps to the east (Carpathians, Dinarides, Taurides-Pontides) and to the west (Apennines, N-Africa, Betic Cordillera); How many oceans and intervening continental terranes do we need?
- 10:30-11:00 *Mark Handy* (FU-Berlin)  
Patterns of past plate motions in the Tethys-Western Mediterranean system and the age of seismic anomalies imaged in the mantle
- 11:30-12:00 *Romain Bousquet* (Univ. Potsdam)  
How do conditions and age of metamorphism fit with geophysical information?

Discussion