



Subduction dynamics - an interdisciplinary approach

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Subduction process requires a multidisciplinary synergic approach. Seismology illuminates the present-day shape and deformation pattern of the slab, while geology and geochemistry imagined its evolution and the slab-mantle interaction process. Modelling is then crucial to validate hypothesis and to constrain processes. Indeed, subduction has always been a classical target for modellers and remarkable progresses have been made during the last decade. Using the example of the Mediterranean, I'll illustrate how the analogue-numerical joint modelling approach provided valuable insights into different aspects of slab evolution.