ÉCOLE DOCTORALE SCIENCES DE LA TERRE

Subject offered for a contract starting in September 2013

Deformation of the Anatolia-Aegean margins associated with changes in plate-boundary conditions

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Financement : **European project ALErT (International Training Network Marie-Curie). PhD funding will includes salary + mobility allowance (for travel and a part of living expanses).**

A specific call will be issued by the ITN scientific board this fall, but we already search for excellent candidatures. ITN rules require mobility. This position is thus open to candidates coming from abroad (the candidate must have spent the past 3 years out of France)

For more information go to http://ed109.ipgp.fr, section: Offres de these (PhD offer), You must apply on the Doctoral School website.

Framework :

Deformation of the Anatolia-Aegean margins are associated with changes in plate- boundary conditions: the propagation of the dextral North Anatolian Fault and subduction at the Hellenic Arc. Besides, uplift of the Anatolian Plateau is intimately associated with the westward extrusion of the Anatolia-Aegean Block, the westward growth of the North Anatolian Fault, and changing subduction conditions at the Hellenic Arc. In this framework, the PhD project will focus on a detailed study of uplifted features on land and on a quantitative description of key geological-geomorphological features (from uplifted marine basins and terraces), on links with the evolution of offshore basins, and on mechanical modeling of the transient geodynamic processes.

This subject comes in the frame of the new Marie-Curie International Training Network ALErT, recently accepted by the EU. ALErT (Anatolian pLateau climatE and Tectonic hazards) is a virtual campus of 10 European academic and 5 industry partners in the fields of applied Earth sciences, natural hazard monitoring, knowledge transfer, and risk communication. ALErT combines the resources and training structures of universities, extramural research departments, and affiliated industry partners across Europe to equip the next generation of geoscientists with the knowledge and skills they will need to meet the challenges of dealing with natural hazards in rapidly changing environments and societies. Our research targets are the tectonic and climatic boundary conditions in the regions along the densely populated margins of the Central Anatolian Plateau (CAP) in Turkey and the associated natural hazards. The principal aim of our initiative is to establish a research-based virtual campus, designed to foster excellent training of young geoscientists through cutting-edge research topics and the transfer of knowledge.