



Tsunami hazard studies in the eastern Hellenic Arc and Balearic Islands

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Tsunami hazard assessment from earthquakes along the western Hellenic Arc as well as from simulation of paleo-submarine landslides in the Ebro Margin (BIG'95) are presented within the framework of the EU project TRANSFER (Tsunami Risk and Strategies for the European Region). Modelling of the tsunami propagation using a dispersive model, nested with the inundation model ComMIT is performed. Presentation of possible regional effects as well as site specific investigation at the TRANSFER test site locations of Rhodes and Fethiye are presented. Emphasis is also put on numerical modelling of the submarine BIG'95 landslide on the Ebro margin. The results from the numerical slide modelling are used as input for a simulation of the tsunami generated by the BIG'95 landslide.