

IAEG XII CONGRESS
15-19 September 2014 Torino, Italy

<http://www.iaeg2014.com/>

Engineering Geology for Society and Territory



It is a great pleasure to invite submissions to the following session at the IAEG XII Congress:
SESSION 4 - MARINE AND COASTAL PROCESSES

[4.7 - Relative land subsidence in transitional coastal environment: causes, effects, quantification, monitoring](#)

Conveners: Luigi Tosi, Pietro Teatini, Tazio Strozzi, Nicola Castelletto

<http://www.iaeg2014.com/programme/8/113-47-relative-land-subsidence-in-transitional-coastal-environment-causes-effects-quantification-monitoring>

Session Description

Land subsidence combined with eustasy, i.e. relative land subsidence, represents one of the main hydrogeological threat for the survival of low-lying coastlands distributed worldwide. The process, both natural and man induced, is responsible for flooding, wetland loss, flow inversion in the drainage watercourses, coastline retreat, beach erosion, and saltwater intrusion. If the eustatic sea rise amounts up to 1-2 mm/yr, the lowering of the ground surface can peak few cm/yr. Therefore, an accurate quantification of land subsidence as well as the assessment of the components and the prediction of the effects on the natural transitional environments and coastal urban areas are of paramount importance. We invite contributions exploring regional or local case studies, the application of state of the art monitoring and modeling techniques, the investigation of the natural/anthropogenic causes contributing to the measured relative land subsidence.

The abstracts must be uploaded on the website at the address:

<http://www.iaeg2014.com/call-for-abstract>

The text of the abstract may contain a maximum of **8000 characters, including blanks**. The title of the abstract will be uploaded separately as well as the authors and their affiliations. Each abstract may contain only **one figure, graph or a table**. The figure/graph/table caption must be uploaded separately, as you can see on the upload page. Abstracts will be peer reviewed according to the guidelines and deadlines fixed by the Organizing Committee. Authors of accepted abstracts will be invited to send the full paper (four/five pages) that will be **published in the Congress Proceedings** after a second peer reviewing process. The Organizing Committee decided to fix a rigorous time table in order to have **the printed version of the full papers in the Congress Proceedings ready for September 2014**.

We would appreciate very much if you forward this Call to other colleagues who might be interested in participating at this Session.