



XIX Congress of the Carpathian Balkan Geological Association
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Session

S32

www.cbga2010.org
info@cbga2010.org

S32 The use and applications of GPS and InSAR to geohazards across South-Eastern Europe

Conveners: [Athanasios Ganas](#) (GR) & [Pierre Briole](#) (FR)

This session accepts both full papers and abstracts

The focus of the Session will be on the following topics:

- (1) The applications of GPS and InSAR to ground deformation, interseismic strain and tsunamis,
- (2) The use of GPS and InSAR in pre-operational and operational services for better tackling the question of Geohazard risk around South-East Europe (earthquakes, volcanoes, landslides, urban subsidence),
- (3) Scientific issues relative to GPS and InSAR technique and how to improve the techniques (progress in GPS data processing, handle of atmosphere - ionosphere noise, progress in InSAR processing and PS analysis, data fusion: GPS and InSAR),
- (4) Scientific issues relative to GPS and InSAR technique and how to improve the techniques (progress in GPS data processing, handle of atmosphere - ionosphere noise, progress in InSAR processing and PS analysis, data fusion: GPS and InSAR),
- (5) Progress on new EO - GNSS systems like GALILEO, ALOS, TERRASAR, GLONASS,

This session is expected to attract wider attention because it is of interest to scientists and engineers active in the fields of: Natural Hazards, Active Tectonics, Seismology, Engineering Geology, Geosciences and environment. The session is of particular interest to South-East European scientists (Balkan Peninsula – Turkey etc) because they need to “catch-up” with the latest developments in SAR interferometry and GPS applications in Geohazards.