



## **A GNSS-derived Velocity Field of the Southern Balkan Peninsula**

Günter Stangl (1) and Philipp Mitterschiffthaler (2)

(1) Space Research Institute, Satellite Geodesy, Graz, Austria ([guenter.stangl@oeaw.ac.at](mailto:guenter.stangl@oeaw.ac.at)), (2) Federal Office of Metrology and Surveying, Graz, Austria ([philipp.mitterschiffthaler@bev.gv.at](mailto:philipp.mitterschiffthaler@bev.gv.at))

GNSS stations of Albania, Bulgaria, FYROM and Greece are combined between 2006 and 2014 to a velocity field. This area covers a part of the transition zone between the Eurasian and Nubian Plate. Even not yet totally reprocessed within IGB08, the lateral components are at the precision of 1 mm/year. The density of stations allows to separate regions with abrupt changes of velocities coinciding with major faults already known from seismology and geology.