

TRIGGERED AND INDUCED SEISMICITY (TAIS) WORKING GROUP  
ACTIVITY REPORT - 2013

TAIS working group was set up within the Commission on Seismological Observation and Interpretation (CoSOI) of IASPEI during the XXIV General Assembly of International Union of Geophysics and Geodesy in Perugia, Italy, July 2-13, 2007.

The general purpose for establishing the TAIS WG has been to increase integration of teams working in the field of triggered and induced seismicity of any kind.

The activities of TAIS WG in the reported period of two years has been focused on two directions:

1. Continuation of enhancement of classic information exchange among induced seismicity community mainly through organizing/co-organizing topical sessions.
2. Developing and promoting Teamwork for Hazard Assessment for Induced Seismicity (THAIS) initiative.

Ad. 1.

- Simone Cesca (GFZ Potsdam), Beata Orlecka-Sikora (Institute of Geophysics PAS, Warsaw), Aderson do Nascimento (Universidade Federal do Rio Grande do Norte, Natal) and Sergey Turuntaev (Institute of Dynamics of Geospheres RAS, Moscow) organized and convened the session SM5.1/NH4.7 "Anthropogenic seismicity and seismic hazard: methods, observations and modeling,, during European Geosciences Union General Assembly in Vienna, Austria in 2012.
- Stanislaw Lasocki (Institute of Geophysics PAS, Warsaw), Torsten Dahm (GFZ Potsdam) and Gevorg Kocharyan (Institute of Geosphere Dynamics RAS, Moscow) organized and convened the session SP1 „Induced seismicity” during European Seismological Commission General Assembly in Moscow in 2012.
- TAIS website has been moved to The website (<http://tais.iaspei.net/>) has continued its activity under administration of Grzegorz Kwiatek (GFZ Potsdam).

Ad. 2.

The world initiative Teamwork for Hazard Assessment for Induced Seismicity (THAIS) started the midst of 2010. Its goals and early activities was briefly sketched in the previous activity report (2011). The overall intention of this Initiative is to integrate induced seismicity research groups and improve the efficiency of knowledge transfer by focusing the research on common features of induced seismicity phenomenon, across inducing technologies. Technically this goal will be reached through creating an international platform of cooperation between scientists and industry representatives in the field of human induced seismicity, with facilitating instantaneous access to data, results, methodologies and interpretations.

Information on THAIS are provided on the newly built web-page <http://thais.igf.edu.pl/>.

Most of efforts during the years 2011-2013 has been devoted to ensure an infrastructural support of THAIS, and triggered and induced seismicity in general, from EPOS (European Plate Observing System) project. We have been aware that the inclusion to the project EPOS is currently the only way to integrate infrastructure of induced seismicity. After tedious work of many people connected with TAIS WG, induced seismicity infrastructure got a rightful place in EPOS. We have grouped together representatives of research institutions dealing with triggered and induced seismicity from 10 European countries and of a number of companies whose technological activities are inducing seismic events. It is likely that after the preparatory phase of EPOS ends (2014) a thematic node of triggered and induced seismicity will be constructed.

compiled by Stanislaw Lasocki

Kraków, 3/07/2013