

TRIGGERED AND INDUCED SEISMICITY (TAIS) WORKING GROUP ACTIVITY REPORT

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 was to increase integration of teams working in the field of triggered and induced seismicity of any kind.

The more detailed aims and scopes, identified in 2007, were as follows:

Share experience regarding:

- *monitoring induced events under different technological circumstances,*
- *ready-for-use processing methods,*
- *development of new methodologies,*
- *accounting for human raised factors in the seismic process,*
- *determining seismic hazard caused by induced phenomena,*
- *considering T&I seismicity as scale models that can help to understand earthquakes,*

and provide an appropriate forum to achieve the above mentioned goals.

The following activities have been undertaken towards achievement of the above aims:

1. Through personal contacts we managed to gather e-mail addresses of people active in the field of T & I seismicity and interested in the TAIS WG venture. Presently this contact list comprises 121 entries and is still expanding. The address list is frequently used to distribute information important for the whole TAIS community.
2. On April 4th, 2008, we launched a TAIS website (<http://www.tais.agh.edu.pl>). The website was designed and is administered by Dr. Grzegorz Kwiatek, currently from GFZ Potsdam.

The website provides users with the following services:

- * News section with information related to induced seismicity
- * Download section where they can download freely available electronic materials: mainly proceedings of the conferences and workshops (abstracts, posters, presentations) but also freely available papers.

- * Forum section - to share the experiences
- * Newsletter - to inform users on incoming events and changes on TAIS website.
- * Links section - with information on other websites related to induced seismicity.
- * List of events that helps anyone to track incoming meetings, conferences and workshops.

The visitors may register themselves at TAIS website. This allows them to download and submit their own electronic materials. They can propose news and web links.

Currently we have more than 50 registered members and the number of registered members is slowly growing.

The database of electronic materials is slowly growing and currently we gathered about 60 freely available documents related to triggered and induced seismicity. These are mostly proceedings of recent meetings e.g. ESC conference in Hersonissos, Crete, from which we managed to gather the majority of presentations and posters from induced-seismicity related sessions.

Our visitors comes mainly from United States and Germany. The geographical distribution of the visitors is:

United States	31.1%
Germany	13.7%
United Kingdom	11.8%
Latvia	4%
Netherlands	4%
Russia	3.4%
Poland	3.4%

For the period: 1 – 20 November 2008 (21 days) we recorded more than 250 occasional visitors that reviewed more then 3000 pages at TAIS WG website. This means, that on average, the visitors went through 10 pages per visit. Only in October 2008 the registered users downloaded more then 300 files.

In spite of the above acceptable statistics, the visitors' activity within the TAIS WG website is not fully satisfactory, yet. Such a not too much optimistic evaluation of the results of website launching is implied by mainly passive forms of this activity. The registered member rarely upload materials without being stimulated. We do not observe also developments of more permanent, personal communications through

forum section or other means of information exchange. We hope that such developments require more time.

3. On various occasions, like recently the Expert Panel on Seismic Monitoring Applicable to Deep Coal Mines in Salt Lake City (October 20-22) or through e-mails we kept indicating the need to establish a place (journal), which would be recognized by the TAIS community as the primary location of research papers on induced seismicity. The present dispersion of publication on I & T seismicity issues among various journals hinders information exchange in the field. In all these discussions such a need was acknowledged but no conclusions regarding a specific place or places have been reached so far.

compiled by Stanislaw Lasocki & Grzegorz Kwiatek

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