

The second meeting of the EU FP7 Pre-earthquakes Project was held at Antea Palace Hotel, Sultanahmet, Istanbul between November 17-18, 2011.

This event was organized by the Earth and Marine Sciences Institute (EMSI) of TUBITAK Marmara Research Center. Assoc. Prof. Dr. Sedat Inan, Assoc. Prof. Dr. Erhan Alparslan, Ömer Sarıkaya and Assoc. Prof. Dr. Mehmet Ergin from EMSI hosted this Project meeting. Mr. Mahmut Baş, the Director of Earthquake and Ground Survey Directorate of Istanbul Metropolitan Municipality honored this meeting by giving a presentation on “Studies Carried out in Istanbul Facing an Earthquake Disaster”. Other participants were the following:

- UNIBAS (University of Basilicata – Italy), which is also the project coordinator,
- DLR (German Space Agency – Germany),
- FIAG (Fiodorov Institute of Applied Geophysics, Russian Federation),
- RSS (Russian Space Systems),
- GSI (Geospazio Italia s.r.l. – Italy),
- IZMIRAN (Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radio wave propagation of the Russian Academy of Sciences Western Department – Russian Federation)
- EC Project Office, Brussels - Belgium
- CNRS (National Center for Scientific Research - SEMEP Project Coordination – France).

There were a number of presentations and discussions made in the workshop on the collected earth observations (both in-situ land based measurements, anomalies of soil radon gas and spring water and satellite based observations) for the investigation of possible precursors of previously occurring earthquakes.

PRE-EARTHQUAKES project intends to commit both EU and Russian researchers to integrate different observational data (including ESA and ROSKOSMOS satellite data) and to improve, by cross validating, their methodologies, in order:

- to substantially improve our knowledge of preparatory phases of earthquakes and their possible precursors;
- to promote a worldwide Earthquake Observation System (EQuOS) as a dedicated component of GEOSS (Global Earth Observation System of Systems);
- to develop and offer to the international scientific community an integration platform where independent observations and new data analysis

methodologies devoted to the research on/of earthquake precursors can be collected and cross-validated.

TUBITAK EMSI will contribute to the test cases in Turkey with its soil radon gas measurements and GPS stations data (RINEX data).