

# EMSEV - Bishkek Russian Academy of Science Cooperation

<http://www.emsev-iugg.org/emsev/> and <http://www.gdirc.ru/en/>



## Data processing and Analyzing Workshop on



### Fundamental problems on the earthquake generation processes and the way to monitor them for hazard mitigation

**March 30 – April 2, 2015 Athens (Greece)**

#### Background

EMSEV and International Research Center – Geodynamic Proving Ground in Bishkek (IGRC), Russian Academy of Science (RAS) signed an agreement of cooperation in 2011.

([http://www.emsev-iugg.org/emdoc/EMSEV-Bishkek\\_MOU\\_E.pdf](http://www.emsev-iugg.org/emdoc/EMSEV-Bishkek_MOU_E.pdf)).

Under this framework, EMSEV has installed two electric field measurement stations along Kyrgyzstan ridge in November 2011.

In March 2014, the first workshop was held in Toulouse for analyzing above electric field data. The workshop was effective and a new prospective was developed.

([http://www.emsev-iugg.org/emdoc/EMSEV\\_BISHKEK\\_Toulouse\\_Workshop\\_summary\\_2014.pdf](http://www.emsev-iugg.org/emdoc/EMSEV_BISHKEK_Toulouse_Workshop_summary_2014.pdf)).

After this Toulouse meeting, some EMSEV members visited Bishkek in June 2014 and upgraded EMSEV electric field stations in order to reduce local noises.

To progress our cooperation, the 2<sup>nd</sup> Data processing and analyzing workshop held in Athens from March 30 to April 2.

#### Scope of the Workshop

The topics are:

- To cross-correlate the observations made during the period March 2014-February 2015,
- To highlight signals possibly related to tectonic activity,
- To check if VAN'S SES and /or underground electric conductivity changes are observed before earthquakes,
- To evaluate the triggering effects of electric current injection and magnetic storms,
- To discuss about future cooperation on theoretical studies and field experiments.

#### Location

Participants will be welcome in Athens. No registration fee is required.

**Main host: Solid Earth Physics Institute, National and Kapodistrian University of Athens, Greece.**

**(P. Varotsos, N. Sarlis and E. Skordas)**

#### Organization

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## Schedule

- Arrival of Participants March 29
- Meeting from March 30 to April 2
- Departure April 3 & 4

## **Participants**

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