Tentative schedule

1st day – **Installation of ISOLA and first MT calculation**

Short overview of ISOLA recent features. Examples from recent papers.

Exact terminology of MT inversion in ISOLA: moment tensor, Green functions, elementary seismograms, correlation, variance reduction, grid search, least squares, non-negative least squares, point-source model, multiple-point source model. Examples.

Installation of Fortran and Matlab codes in participants' computers. Installation of two examples - data set for Corinth Gulf event (Mw~4) and Costa Rica 2012 event (Mw7.6).

Lunch break

Joint analysis of the Corinth example. All participants follow instructors' steps in their own computers. Part 1 – Preparation of waveform data, stations, crustal model, trial sources.

2nd day – **Point-source inversion, uncertainty**

Joint analysis of the Corinth example. All participants follow instructors' steps in their own computers. Part 2 – Green functions, elementary seismograms, inversion, understanding results of the inversion, uncertainty analysis (SNR, FMVAR, STVAR, Jacknifing, 6D uncertainty ellipsoids).

Lunch break

Participants start processing of their own data under supervision of the instructors.

3rd day - **From point source to finite source**

Joint analysis of the Costarica example. All participants follow instructors' steps in their own computers. Part 1 – Horizontal grid search, centroid, H-C plots, fault plane.

Lunch break

Participants continue in the processing of their own data under supervision of the instructors.

4th day - **Multiple point source inversion**

Joint analysis of the Costarica example. All participants follow instructors' steps in their own computers. Part 2 – Grid search in the fault plane, one or two subevents, time functions.

Lunch break

Participants continue in the processing of their own data under supervision of the instructors.

5th day – **Concluding**

Finishing the remaining tasks from the previous days.

Lunch break

Discuss on results obtained by participants.

8^{th} – 10^{th} days – **Advanced processing**

Individual work with participants on their own data sets with emphasis on difficult ISOLA features, integrating ISOLA results into framework of other methods to strengthen reliability of results, formulation of the next necessary step to obtain publication-quality results.