



## 2015 Meeting Report Form

Project Number and Title: IGCP Project 641  
M3EF3. Mechanisms, Monitoring and Modeling Earth Fissure generation and Fault activation due to subsurface Fluid exploitation

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 by 01/12/2015

### MEETING: First Workshop M3EF3

Date: November 10-11, 2015

Place: Nanjing University, China

Itinerary: November 10th, 2015 technical sessions from 8:00 to 18:00

November 11th, 2015 field trip from 8:00 to 18:00

Land Subsidence and Earth Fissures in Wuxi and Suzhou

### SCOPE AND RESULTS OF MEETING:

Scope of Meeting (program or outline of geological study)

Main Topics at M3EF3 Workshop

1. Study cases
2. Mechanisms of earth fissuring
3. Monitoring and modeling land subsidence and earth fissuring
4. Risk Assessment and mitigation of earth fissuring

#### Achievements of Meeting.

Invited Talks:

**Dongguang Wen**, China Geological Survey (CGS), Earth Fissures in China;

**Devin Galloway**, U.S. Geological Survey (USGS), Earth Fissures and Surface Faults Accompanying Aquifer-System Compaction and Land Subsidence in the USA;

**Jianbin Peng**, Yahong Deng, Chang'an University, China, Earth Fissures in the Fenwei Basin, China;

**Mariano Cerca and Dora Carreon**, UNAM, Structural Geology and Earth Fissuring Mechanisms in Mexico;

**Francesco Zucca**, University of Pavia, Italy, InSAR Detection and Monitorig of Subsidence and Related Fracture Processes: Examples and Perspectives;

**Pietro Teatini**, University of Padua, Italy, Modeling Fissure Generation and Fault Reactivation Due to Subsurface Fluid Withdrawal;

**Agen Zhang**, Land subsidence center of CGS, Prevention and Control of Land Subsidence in China

#### Outcome of Meeting

The workshop had 65 participants including specialists from different regions of the country and overseas. It is important to note the high participation of students from different universities, that had the opportunity to present their work. The workshop propitiated the discussion and exchange of professional achievements and potential collaboration during the technical sessions and the field trip.

Signature of Project Leader and Date

Dr. Dora Carreón-Freyre, 15th December, 2015