

Major Historical Earthquakes of the Rhine Graben Interplate - Intraplate Continental Deformation

From archives to comparative seismotectonics

11, 12 and 13 May 2015

Institut de Physique du Globe of Strasbourg, France



Circle Gutenberg

The Rhine Graben is an active zone with low deformation rate and a complex pattern of intraplate deformation with rifting. Intraplate seismogenic structures are indicators of significant strain accumulation far from plate boundaries. Understanding the deformation in such context remains a key issue to better identify the processes controlling the occurrence of moderate and large intraplate earthquakes and estimate the associated seismic hazard.

Comparing the Rhine Graben with other rifting zones in intraplate or interplate context would help to improve our evaluation of the seismic hazard in continental Europe. The development of new approaches using seismic and GPS networks, combined with InSAR, LIDAR and field investigations in tectonic geomorphology and paleoseismology along active faults provide a wealth of data on earthquake ruptures and their return period.

The colloquium is organised around three sessions:

- I. Historical earthquakes and intraplate deformation of the Rhine Graben:
Role of the background seismicity
- II. Seismotectonics, induced seismicity and implications
for the seismic hazard and risk
- III. Rifting and continental faulting:
Lessons learned from on - off plate boundaries

Attendance to the meeting is free of charge.

The meeting language will be English.

Deadline for abstract submission (1-page standard A4 format, Times 12 pt):

27 March 2015

Local Organizing Committee:

Mustapha Meghraoui	Ulrich Achauer
Frederic Masson	Alessia Maggi
Sophie Lambotte	Christophe Sira
Cecile Doubre	Olivier Lengliné

Colloquium General Programme:

	Monday 11 May
	Registration - Opening (9 - 10)
	Morning Session I (10 - 12:30)
	Lunch
	Afternoon Session I (14 - 18)
Ice breaker	
	Tuesday 12 May
	Morning Session II (9 - 12:30)
	Lunch
	Afternoon Session II (14 - 18)
Gala dinner	
	Wednesday 13 May
	Morning Session III (9 - 12:30)
	Lunch
	Afternoon Session III - Closing (14 - 17)