



# Field Testing and Seismic Vulnerability Assessment

## WORKSHOP

**NERA**

Network of European Research Infrastructures  
for Earthquake Risk Assessment and Mitigation



*The workshop is organized within activity NA6 "Field testing infrastructures" of the project NERA. This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 262330.*

# WORKSHOP - FIELD TESTING AND SEISMIC VULNERABILITY ASSESSMENT

VIENNA, 25 - 26 SEPTEMBER 2014

Understanding structural response to earthquake loading is essential for the design of new structures and the vulnerability assessment of existing structures. Field experiments significantly enhance the fundamental knowledge of earthquake effects associated with the behaviour of structures and geological layers, thereby reducing loss-of-life and economic losses from future earthquakes.

The workshop "Field testing and seismic vulnerability assessment" intends to be a meeting-point for international experts in both field testing and seismic vulnerability assessment to collect expert knowledge in these fields and share it with technicians and stakeholders.

Topics of interest include, but are not limited to:

- Seismic vulnerability assessment
- Identification of fragility functions
- In-situ assessment of structures
- Field testing techniques regarding seismic assessment
- Monitoring of critical structures and infrastructures
- Seismic vulnerability of architectural historical heritage

Please use the following link to register by 18<sup>th</sup> September 2014 :

<http://www.nera-eu.org/>.

## PROGRAM

### ENGLISH SESSION: FIELD TESTING AND SEISMIC VULNERABILITY

**Date** September, 25<sup>th</sup>, 2014  
**Venue** TECHbase, 4<sup>th</sup> floor, room no. 403  
Giefinggasse 2, 1210 Wien

08:00 - 08:45 Registration  
08:45 - 09:00 Welcoming  
09:00 - 10:00 Introduction to NERA  
10:00 - 13:00 Field Tests and Continuous Monitoring of Structures  
13:00 - 14:00 Lunch  
14:00 - 15:00 Laboratory Tests to Improve the Seismic Vulnerability Assessment  
15:00 - 19:00 Seismic Vulnerability Assessment: the New Prospects

### GERMAN SESSION: SEISMIC RISK IN AUSTRIA

**Date** September, 26<sup>th</sup>, 2014  
**Venue** TECHbase, 3<sup>rd</sup> floor, room no. 301  
Giefinggasse 2, 1210 Wien

08:00 - 09:00 Registration  
09:00 - 09:15 Welcoming  
09:15 - 10:00 History of Seismic vulnerability assessment in Austria  
10:00 - 11:00 Seismic hazard in Austria  
11:00 - 13:00 Social and economic impact of seismic hazard in Austria  
13:00 - 14:00 Lunch  
14:00 - 18:00 Field testing and seismic vulnerability: the future of seismic assessment in Austria

## INTERNATIONAL SCIENTIFIC COMMITTEE (NERA PARTICIPANTS)

- Mariantonietta Morga - AIT (Austria)
- Rainer Flesch - AIT (Austria)
- Alois Vorwagner – AIT (Austria)
- Helmut Wenzel – VCE (Austria)
- Giudo De Roeck KUL (Belgium)
- Kyriazis Pitilakis – AUTH (Greece)
- Ricardo Monteiro – EUCENTRE, IUSS Pavia (Italy)
- Simone Peloso – EUCENTRE (Italy)
- Jochen Wössner – RMS (Switzerland)
- Can Zulfikar – KOERI (Turkey)



**EUCENTRE**  
European Centre for Training and Research in Earthquake Engin



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