



## **Project of Near-Real-Time Generation of ShakeMaps and a New Hazard Map in Austria**

Yan Jia, Stefan Weginger, Nikolaus Horn, Helmut Hausmann, and Wolfgang Lenhardt  
ZAMG, Geophysics, Vienna, Austria (yan.jia@zamg.ac.at)

Target-orientated prevention and effective crisis management can reduce or avoid damage and save lives in case of a strong earthquake. To achieve this goal, a project for automatic generated ShakeMaps (maps of ground motion and shaking intensity) and updating the Austrian hazard map was started at ZAMG (Zentralanstalt für Meteorologie und Geodynamik) in 2015. The first goal of the project is set for a near-real-time generation of ShakeMaps following strong earthquakes in Austria to provide rapid, accurate and official information to support the governmental crisis management. Using newly developed methods and software by SHARE (Seismic Hazard Harmonization in Europe) and GEM (Global Earthquake Model), which allows a transnational analysis at European level, a new generation of Austrian hazard maps will be ultimately calculated.

More information and a status of our project will be given by this presentation.