



THE EURO-MED SEISMOLOGICAL PORTAL AND ITS WEBSERVICES FOR IMPROVED DATA ACCESS

Laurent FROBERT¹, Rémy BOSSU², Philipp KÄSTLI³, Josef KÜNG⁴, Alessandro SPINUSO⁵, Luca TRANI⁶, Torild VAN ECK⁷, and Helmut WENZEL⁸

The seismic portal (www.seismicportal.eu) aims at Improving discoverability, access and usability of data and products for seismology and seismic hazard and risk studies. Its development was initiated during the FP6-NERIES (Network of Research Infrastructure for European Seismology) project to deal with seismological data and is being extended within the FP7-NERA (Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation) project to include seismic hazard results of the FP7-SHARE project and a risk component derived from the FP7-SYNER-G (Systemic Seismic Vulnerability and Risk Analysis for Buildings, Lifeline Networks and Infrastructures Safety Gain) project. Its long-term sustainability is based on coordination and integration with project on computational seismology such as VERCE (Virtual Earthquake Research Community for Europe), transformative initiatives of EPOS (European Plate Observing System) and GEM (Global Earthquake Model) as well as key actor such as the USGS (US Geological Survey), the ISC (International Seismological Centre) or IRIS (Incorporated Research Institutions for Seismology).

Open source technologies and standards such as OGC ensure interoperability within other Earth sciences development. Data is accessed by three different means: the portal for interactive access and data discovery, invocation of webservices for automatic access and soon standing order for data.

The presentation will be based on a poster and live demo.

¹ M., EMSC, Paris, frobert@emsc-csem.org

² Dr., EMSC, Paris, bossu@emsc-csem.org

³ Dr., ETHZ, Zurich, kaestli@sed.ethz.ch

⁴ Dr. JKU, Vienna, jkueng@faw.jku.at

⁵ M., ORFEUS, De Bilt, spinuso@knmi.nl

⁶ M., ORFEUS, De Bilt, trani@knmi.nl

⁷ M., ORFEUS, De Bilt, vaneck@knmi.nl

⁸ Dr, VCE, Vienna, Wenzel@vce.at