Geophysical Research Abstracts Vol. 19, EGU2017-15628, 2017 EGU General Assembly 2017 © Author(s) 2017. CC Attribution 3.0 License.



EPOS Seismology services and their users

Florian Haslinger (1), Aurelien Dupont (2), Alberto Michelini (3,6), Andreas Rietbrock (4), Reinoud Sleeman (3,5), Stefan Wiemer (1), Roberto Basili (6), Rémy Bossu (2), Eser Cakti (7), Fabrice Cotton (8), Wayne Crawford (9), Helen Crowley (10), Laurentiu Danciu (1), Jordi Diaz (11), Tom Garth (4), Mario Locati (6), Lucia Luzi (3,6), Kyriazis Pitilakis (12), Zafeiria Roumelioti (12), Angelo Strollo (3,8)

(1) ETH Zürich, Schweizerischer Erdbebendienst, Zürich, Switzerland (haslinger@sed.ethz.ch), (2) European-Mediterranean Seismological Centre, EMSC, (3) Observatories & Research Facilities for European Seismology, ORFEUS, (4) University of Liverpool, UK, (5) Royal Netherlands Meteorological Institute, Netherlands, (6) Istituto Nazionale di Geofisica e Vulcanologia, Italy, (7) Bogaziçi University, Turkey, (8) Geoforschungszentrum Potsdam, Germany, (9) Institut de Physique du Globe, France, (10) EUCENTRE, Italy, (11) Institut de Ciències de La Terra Jaume Almera, Spain, (12) Aristotle University of Thessaloniki, Greece

The construction of seismological community services for the European Plate Observing System Research Infrastructure (EPOS) is by now well under way. A significant number of services are already operational, largely based on those existing at established institutions or collaborations like ORFEUS, EMSC, AHEAD and EFEHR, and more are being added to be ready for internal validation by late 2017. In this presentation we focus on a number of issues related to the interaction of the community of users with the services provided by the seismological part of the EPOS research infrastructure.

How users interact with a service (and how satisfied they are with this interaction) is viewed as one important component of the validation of a service within EPOS, and certainly is key to the uptake of a service and from that also it's attributed value.

Within EPOS Seismology, the following aspects of user interaction have already surfaced:

- user identification (and potential tracking) versus ease-of-access and openness

Requesting users to identify themselves when accessing a service provides various advantages to providers and users (e.g. quantifying & qualifying the service use, customization of services and interfaces, handling access rights and quotas), but may impact the ease of access and also shy away users who don't wish to be identified for whatever reason.

- service availability versus cost

There is a clear and prominent connection between the availability of a service, both regarding uptime and capacity, and its operational cost (IT systems and personnel), and it is often not clear where to draw the line (and based on which considerations). In connection to that, how to best utilize third-party IT infrastructures (either commercial or public), and what the long-term cost implications of that might be, is equally open.

- licensing and attribution

The issue of intellectual property and associated licensing policies for data, products and services is only recently gaining more attention in the community. Whether at all, and if yes then how to license, is still diversely discussed, while on national level more and more legislative requirements create boundary conditions that need to be respected. Attribution (of service use and of data/product origin) is only one related aspect, but of high importance the scientific world.

In EPOS Seismology we attempt to find common approaches to address the above issues, also closely coordinated to the developments across the other EPOS domains. In this presentation we discuss the current strategies, potential solutions identified, and remaining open questions.