



Session 02

Open and FAIR seismology - consequences, challenges and opportunities

Conveners:

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Funding agencies and policy makers put increasing emphasis on Open and FAIR (Findable, Accessible, Interoperable, Reusable) seismological data, products and infrastructures. Adherence to the INSPIRE directive or the concept of certified Trusted Digital Repositories gain importance and attention. Journals are changing their policies towards openness of data and software connected to publications, and national, European and global initiatives and institutions are developing more and more services around Open and FAIR data, covering curation, distribution and processing. EPOS is based on the concepts of Open Access and FAIRness, and the European seismological infrastructures ORFEUS, EMSC and EFEHR that together form EPOS Seismology have adopted this as well. Infrastructure operators, academic institutions and individual researchers struggle with the requirements and conditions they encounter in this evolving environment. An inclusive and integrated approach to Open and FAIR still needs to be developed, with consistent policies, standards and guidelines covering the whole research data lifecycle, and addressing also basic legal frameworks e.g. for intellectual property and licensing. The research community needs to further develop a common understanding of best practices and appropriate scientific conduct adequate for this new era. We solicit contributions from researchers, service providers, infrastructures and institutions that have a story to share on their experience with this evolving Open and FAIR research environment. Contributions are welcome across all aspects, including but not limited to the technical implementation of data management and access, the use of persistent identifiers, policy development, licensing and IP issues, interaction with funders and policy makers.