## Earth Science Collection Data Workshop

Convener: Falko Glöckler, Mareike Petersen, Jana Hoffmann

**Abstract:**

Beside biological objects, fossils, rocks and minerals are common in natural history collections worldwide. However, data standards primarily focused on biological disciplines (e.g. ABCD - Access to Biological Collection Data) and thus, they lack terms suitable for geoscientific collection objects. Therefore, the ABCD Extension for Geoscience (ABCDEFG) has been developed several years ago (Petersen et al. 2018) and was implemented in some institutions for standardized data exchange and for providing data to the GeoCASe portal (Geoscience Collection Access Service, <http://www.geocase.eu>).  
However, in addition to a common data structure provided by the ABCDEFG standard, harmonized content is key for increasing the data’s consistency, comparability and thus findability in data portals like GeoCASe. Further, this would essentially increase the value und re-use of published data.

In this workshop we will compile and discuss experiences and requirements presented in the preceding geoscientific collections symposium in order to enable the recently constituted ABCD-EFG Task Group to address existing challenges and find solutions for optimizing the ABCD-EFG data standard. Furthermore, we will assess and discuss the demand for controlled vocabularies from authority files, as well as best practice documentations, recommended references and conventions for data publication on the GeoCASe portal.

The workshop is open for any people interested in earth science specimen collection data, standards for geological and fossil data. This could be in particular curators, researchers, data managers and (biodiversity & geo-) informaticians.