

Towards data and metadata interoperability of ICOS

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ICOS (Integrated Carbon Observation System) is a pan-European research infrastructure with a mission to collect high-quality observational data on greenhouse gases and the environment. ICOS has pledged to make all its data openly available and FAIR (Findable, Accessible, Interoperable, and Reusable) for all users. To support this, ICOS is developing a data management based on a PID-centric approach. Here persistent identifiers are used to link and cross-reference all ICOS items - including data & metadata objects, measurement stations, instruments, people and publications. The presentation will highlight some examples of how all ICOS services for data discovery, visualization and user-initiated analysis are driven by an underlying ontology-based catalogue.

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