

Provenance in ICOS

Context of provenance in ICOS

Complete report on Provenance in ICOS available at: <https://envriplus.manageprojects.com/projects/requirements/notebooks/470/pages/60>

Summary of ICOS requirements for provenance

ICOS observational data products comprise data collected at 100+ individual stations, each equipped with hundreds of sensors, so it is very important to record exactly where data values come from. Also the entire chain of processing steps - including calibrations, quality control, and gap filling - must be traceable. Some variables are calculated and/or aggregated from high-frequency observations using complex data processing, and to ensure reproducibility, information about which software versions and parameter sets were applied is crucial. Similar considerations are also applicable to ICOS "elaborated" data products.

Detailed requirements

The detailed RI response to this part of the requirements questionnaire is attached: [ICOS - 5 - Provenance 2016-01-27 all.docx](#)

Formalities (who & when)

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|--|--------------------------------|
| Go-between | Alex Vermeulen |
| RI representative | Maggie Hellström |
| Period of requirements collection | September 2015 - December 2015 |
| Status | Finished |