**Table 1. Data inventory attributes (Rev. 1)**

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| Attribute | Description | Example entry |
| Dataset name | Unique dataset name | ESA Lakes Climate Change Initiative (Lakes\_cci): Lake products, Version 2.0.1 |
| Description | Description of dataset/dataset-product | This dataset contains [..] based on [..]. |
| Data provider | Name of data provider/portal | Copernicus Global Land Service |
| Variable | Main variable of dataset | Lake Surface Water Temperature |
| Unit | Unit of main variable | degrees Kelvin |
| Spatial Resolution | Spatial sampling used | 20 meters |
| Spatial extent | Spatial coverage of dataset | Germany, Austria |
| Temporal resolution | Temporal sampling used | weekly |
| Temporal extent | Temporal coverage of dataset | 1992-09-26 to 2020-12-31 |
| URL | URL to access dataset | https://climate.esa.int/en/projects/lakes/data/ |
| DOI | Digital Object Identifier for dataset (if available) | 10.5285/a07deacaffb8453e93d57ee214676304 |
| References | Associated references as DOI or text (if available) | Messager, M., Lehner, B., Grill, G. et al. Estimating the volume and age of water stored in global lakes using a geo-statistical approach. Nat Commun 7, 13603 (2016). |
| Data type | Description of data type (e.g. tabular, vector, raster) | tabular |
| Data format | Description of dataformat (e.g. shapefile, csv, netCDF) | netCDF |
| Catchment | Associated SOS-Water case study | Mekong Basin |
| Type | Type of dataset (e.g. Earth Observation, In-Situ) | Earth Observation |
| License | Dataset terms of use | CC BY 4.0 |
| Comments | Additional comments (e.g. accessability restrictions, limitations of dataset, available ancillary variables) | Dataset is only accessible with registered DANUBIS ICPDR/DanubeGIS account. |