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| **Table 1. Data inventory attributes** | | |
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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 [..]. |
| **Variable** | Main variable of dataset | Lake Surface Water Temperature |
| **Unit** | Unit of main variable | degrees Kelvin |
| **Spatial Resolution** | Spatial sampling used | 20 metres |
| **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) and provided dataformat (e.g. shapefile, csv, netCDF) | Tabular (csv) |
| **Catchment** | Associated SOS-Water case study | Mekong-Delta |
| **Type** | Type of dataset (e.g. Earth Observation, In-Situ) | Earth Observation |
| **Comment** | Additional comments (e.g. accessability restrictions, limitations of dataset, available ancillary variables) | Dataset is only accessible with registered DANUBIS ICPDR/DanubeGIS account. |