

Data publishing and dissemination



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- Access to data (dissemination)
 - FTP server at NCEI → RS92-GDP.2, RS-11G-GDP.1
 - GRUAN website → GDPs (RS41, IMS-100, RS92, RS-11G), EDTs (RS41, RS92)
 - FTP server at LC → community-internal (also BETA and ALPHA)
 - Climate Data Store (CDS) → condensed and abridged dataset (2020)

- Dataset description page on the GRUAN website
 - Manually updated

- One GDP → one DOI
 - No references to specific parts in addition, like site, year

- One scientific article related to the GDP
 - Not always a dataset-specific article



- Referenceable dataset and parts of it (e.g. site, year) – DOIs
 - Allows better countable citations

- Search and selection of parts of a data set
 - Year, sites, geographical region, ...
 - Download of selected data files – also as package (ZIP)

- User registration which allows
 - Detailed statistic about usage
 - Notification in case of news, issues, updates, ...

- Be part of a greater data pool (and a greater community)
 - GRUAN becomes (maybe) better known





- Dataset with NetCDF files
 - And optional other formats in addition (e.g. CSV)
- Secure long-term storage
 - DOIs requests 10 years and more
- Data access with good performance and several options
 - E.g. sftp, webdav
- API access
 - Get information about data sets
 - Getting data using own software





- Possibility to publish new data of an increasing dataset
 - As simple as possible → maybe more or less automatically
 - Or publish in portions (e.g. monthly)
- Automatic generated landing pages
 - Automatic updates in case of meta-data changes
- Versioning of dataset
 - Important, that older versions remain available
- Data licencing options
- ...



- Publishing of a dataset-specific article in any “data journal” desired?
- Several specific journals are available, e.g.
 - ...
 - Geoscience Data Journal (RMetS) – open access
 - Data (MDPI) – open access
 - Data in Brief (Elsevier) – open access
 - Scientific Data (Springer Nature) – open access
 - ...

- Which “features” are really needed?
- Publishing articles in specific “data journals” desired?
- Which way should be used to publish/distribute GRUAN data?