

# Data publishing and dissemination



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15<sup>th</sup> GRUAN Implementation and Coordination Meeting (ICM-15)

Bern, Forum 2, 12 March 2024

- 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?