| Feature/Repository | Pangaea | Zenodo | Yoda | 4TU.ResearchData | DataVerseNL |
|---|---|---|---|---|---|
| **Type of Data** | Tailored for geosciences: Biological Chemical Geological Geophysical Meteorological Oceanography | Interdisciplinary: Any type of data, including publications, datasets, software, and presentations. | Interdisciplinary: Any type of data, including datasets, documents and presentations. | Interdisciplinary: all types of research data, particularly within engineering, technology, and applied sciences **(uploaded as netCDF file format)** | Interdisciplinary: all types of research data. There exists sub dataverses based on disciplines, like the geosciences. |
| **Storage Capacity** | A maximum data volume of 10 GB. | Free storage up to 50 GB per upload. Larger uploads possible on request, but may incur fees. | Free storage up to 1TB of data. Larger uploads possible on request, but may incur fees. | **Delft University of Technology / University of Twente / Eindhoven University of Technology / Wageningen University & Research**--> 100 GB/year of data free of charge. For larger datasets a one-time fee of €3/GB is charged which is covered by your university. **Non-member, research institution** --> 5 GB/year of data free of charge. For uploads >5GB , €4.50/GB is charged | Free storage up to 10 GB per upload. Larger uploads possible on request, but may incur fees. |
| **Data Retention Period** | Long-term (minimum 10 years) on redundant file systems and tapes. | Items will be retained for the lifetime of the repository (next 20 years at least) | Long-term (minimum 10 years) on redundant file systems and backup facilities. | Long-term (minimum 15 years) on redundant file systems and tapes. | The retention period of data files within a specific (sub) dataverse can be specified in the settings. |
| **Publishing Data** | -DOI registration -Editorial treatment of deposited data by well-trained data editors | -DOI registration -Supports versioning of datasets and publications -Integrated with GitHub for seamless publishing of software and code | -DOI registration -Supports versioning -Editorial treatment of deposited data by data experts | ⬛DOI registration - Supports versioning - Data is curated by experts to ensure quality | DOI registration Supports versioning |
| **Licensing** | Creative Commons license CC0 for metadata and CC-BY for data (Exceptions have to be negotiated on an individual basis with PANGAEA) | Supports various open-access licenses including Creative Commons licenses (CC0, CC-BY, etc.), CC0 for metadata (by default) | Supports various open-access and custom licenses including Creative Commons licenses (CC0, CC-BY, etc.). | Offers a variety of licensing options, including Creative Commons licenses (e.g., CC0, CC-BY). Specific licenses can be negotiated based on the needs of the researcher. | All datasets added in a Dataverse repository are granted the CC0 Public Domain Dedication by default. Option to select other open-access licenses (CC-BY, etc.) |
| **Code Publication** | Code should be published elsewhere (e.g. Zenodo) | Strong integration with GitHub for version control and publishing code alongside datasets. | Code can be published alongside datasets, although integration with external version control systems (like GitHub) is less developed compared to platforms like Zenodo. | Code can be published alongside datasets, although integration with external version control systems (like GitHub) is less developed compared to platforms like Zenodo. | Code can be published alongside datasets, although integration with external version control systems (like GitHub) is less developed compared to platforms like Zenodo. |
| **Storage Location** | Servers in Europe, specifically in Germany. | Servers distributed across Europe, managed by CERN. | Based on institutional infrastructure at Utrecht University. | Hosted within the Netherlands: 2 locations in Delft, backup location in Leiden | Data is hosted on Dutch servers. DANS offers a reliable and secure infrastructure. |
| **Security** | High-level security, GDPR compliant, with robust backup and data integrity measures | High-level security, GDPR compliant, with robust backup and data integrity measures. | Institutional security policies, GDPR compliant, with robust backup and data integrity measures. | Institutional security policies, GDPR compliant, with secure backups and data integrity measures | High-level security, with robust backup and data integrity measures. |
| **SEO** | No information available | **Zenodo claims**: High visibility through indexing by major search engines (e.g. Google) and integration with OpenAIRE, facilitating discoverability. | High visibility through indexing by major search engines (e.g. Google datasets and DataCite) | High visibility through indexing by major search engines (e.g. Google datasets and DataCite) | The metadata of your dataset will be findable in for example: Google Scholar, Google Dataset search and the Dutch portal for scientific research NARCIS. |
| **API availability** | Yes | Yes | Yes | Yes | Yes |
| **Other Related Information** | Strong reputation in geosciences, recognized by major institutions. | Supported by CERN, ensures long-term availability, and is well-suited for interdisciplinary research. | Tailored to institutional needs, integrates well with local policies. Metadata Harvesting | Well-regarded within the Dutch Technical Universities, strong collaboration network. | -Integration with OSF platform -Shareable privately before publication -Harvestable by popular search engines |
| **References** | [Terms of Use](#) [Privacy Policy](#) [Wiki Page](#) | [General Policies](#) [Privacy Policy](#) [Infrastructure](#) | [General Information](#) [FAQ](#) [Terms of Use](#) | [Terms of Use](#) [Privacy Policy](#) [Publish and Cite](#) | [General Information](#) [UU RDM Information](#) [Data Community Norms](#) |