

# IDA vs Paituli

## Comparison table

	Paituli	Fairdata IDA
Service Description	Data sharing and download service <b>for spatial data</b>	<b>General</b> data storage service, data needs to be described as a research dataset. Not tied to a specific field of science.
Free of charge for universities and research institutes	Yes	Yes
Storage limit	~2-3 Tb	Up to ~100 TB
Time period	No clear limit	Not fixed limit; as agreed with home organisation which grants the IDA storage space.  Requires an active CSC project with a project manager.
Data upload	Data publishing requires help from CSC. Data transfer agreed with CSC, usually using Funet FileSender or Allas.	<b>Self-service</b> in IDA web interface or with IDA command line tools. Data in IDA are described as research dataset with Fairdata Qvain.
Data download graphical user interface	<ul style="list-style-type: none"> <li>• Paituli with <b>map sheet selection</b></li> <li>• <a href="https://www.nic.funet.fi/index/geodata/">https://www.nic.funet.fi/index/geodata/</a> for files</li> <li>• Etsin for metadata</li> <li>• STAC for searching raster data</li> </ul>	Etsin for metadata and <b>file or folder selection</b>
APIs for end-users for accessing the data	<ul style="list-style-type: none"> <li>• <b>HTTPS, FTP, rsync</b></li> <li>• <b>OGC APIs: WMS, WFS, WCS, WMTS, OGC maps, OGC tiles, OGC features, if data suitable for GeoServer</b></li> <li>• <b>STAC for raster data</b></li> </ul>	No.
Data usage in CSC computing environment	Paituli data is automatically copied to Puhti.	Data has to be manually copied to Puhti.
Identifiers in use and citation possibilities	<b>URN</b> via Etsin at dataset level	<b>DOI</b> via Etsin at dataset level
Links to each file in the dataset	<b>Yes</b> , but normal URLs, that might changes sometimes, no PIDs at file level.	<ul style="list-style-type: none"> <li>• <b>Only temporary URLs.</b></li> <li>• Single use URLs for published files or generated download package per folder (or entire dataset) via Etsin.</li> <li>• Temporary 90 day share links can be generated in IDA for all files, also unpublished files.</li> </ul>
Back-up	1 extra copy of data.	Published data is replicated to secondary storage, use of checksums (SHA256).
Data download statistics	<b>Once a year report about downloads</b> via Paituli and OGC APIs, report does not include Puhti and nic.funet.fi usage.	Available for dataset page views and downloads. <a href="#">More information.</a>
Long-term storage	Not supported.	Possibility to transfer data to Digital Preservation Service for Research data. Requires a contract.
Example	URN: <a href="http://urn.fi/urn:nbn:fi:att:6a42126a-33f0-4a25-84b8-71fad32374c8">http://urn.fi/urn:nbn:fi:att:6a42126a-33f0-4a25-84b8-71fad32374c8</a>  Data download page in Paituli: <a href="https://paituli.csc.fi/download.html?data_id=luke_tls_single_local_2016_laz">https://paituli.csc.fi/download.html?data_id=luke_tls_single_local_2016_laz</a>  Files listing in nic.funet.fi: <a href="https://www.nic.funet.fi/index/geodata/luke/tls/2016/lapinjärvi/laz_single_120m/">https://www.nic.funet.fi/index/geodata/luke/tls/2016/lapinjärvi/laz_single_120m/</a>	DOI: <a href="https://doi.org/10.23729/45d0ade6-1b7b-4008-8938-e2a2b7d2aa23">https://doi.org/10.23729/45d0ade6-1b7b-4008-8938-e2a2b7d2aa23</a>  Data download tab in Etsin: <a href="https://etsin.fairdata.fi/dataset/6797c2e2-60e4-409f-a90f-a931b9e26b61/data">https://etsin.fairdata.fi/dataset/6797c2e2-60e4-409f-a90f-a931b9e26b61/data</a>