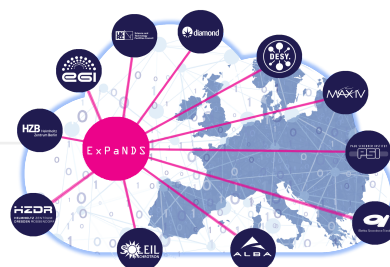


# OAI-PMH endpoint for data catalogues

## Sustainability sheet



Plugins for SciCat and ICAT community data catalogues to facilitate the deployment of an OAI-PMH endpoint at the facility level.

	<p><b>Target audiences</b></p> <ul style="list-style-type: none"> <li>- Software engineers for data catalogues</li> <li>- Data managers</li> </ul>	<p><b>Benefits</b></p> <ul style="list-style-type: none"> <li>- Easy creation of an OAI-PMH endpoint for harvesting metadata by third parties (OpenAIRE, B2FIND...)</li> <li>- Offer access to PaN open data using a very standard and domain-agnostic metadata schema</li> <li>- Increase PaN open data visibility in EOSC</li> </ul>
	<p><b>Accessibility</b></p> <p>Both plugins are available at their respective catalogue organisation in GitHub:</p> <ul style="list-style-type: none"> <li>- <a href="#">for SciCat</a> (1)</li> <li>- <a href="#">for ICAT</a> (2)</li> </ul> <p><b>Feedback mechanism</b></p> <p>GitHub issue tracking for <a href="#">SciCat</a> (3) and <a href="#">ICAT</a> (4) plugins</p>	<p><b>Documentation</b></p> <ul style="list-style-type: none"> <li>- <a href="#">SciCat</a> (5)</li> <li>- <a href="#">ICAT</a> (6)</li> <li>- <a href="#">OAI-PMH requirements</a> (7)</li> <li>- <a href="#">OAI-PMH recipes</a> (8)</li> </ul> <p><b>Licence</b></p> <p>SciCat: <a href="#">GNU GPL v3.0</a> (9) ICAT: <a href="#">Apache License 2.0</a> (10)</p>
	<p><b>Competitors</b></p> <p>Not known at present</p> <p><b>Technology readiness</b></p> <p><b>In production</b>, several facilities OAI-PMH endpoints are currently harvested by e.g B2FIND</p> <p><b>EOSC integration status</b></p> <p>N/A - <a href="#">B2FIND</a> (11) and <a href="#">OpenAIRE</a> (12) which exploit the OAI-PMH standards are in EOSC</p>	
	<p><b>Plans and conditions for long-term sustainability</b></p> <ul style="list-style-type: none"> <li>- SciCat and ICAT projects will continue maintaining their respective plugins, as long as there are consumers</li> <li>- Each RI adopting the OAI-PMH interface will continue hosting it, in general under the responsibility of the data manager(s)</li> </ul>	



ExPaNDS and PaNOSC have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No 857641 and No 823852.



## Exploitability potential

- Other PaN facilities using or planning to use SciCat or ICAT
- Current or future PaN projects can leverage the existing documentation

## Conditions to increase exploitability

- Add PaNET to OAI-PMH data formats
- Create a mentoring program to onboard new facilities, e.g. in the frame of OSCARS
- Include in the data management MoU discussions

## Links

- (1) <https://github.com/SciCatProject/oai-provider-service>
- (2) <https://github.com/icatproject/icat.oaipmh>
- (3) <https://github.com/SciCatProject/oai-provider-service/issues>
- (4) <https://github.com/icatproject/icat.oaipmh/issues>
- (5) <https://github.com/SciCatProject/oai-provider-service/blob/master/README.md>
- (6) <https://github.com/icatproject/icat.oaipmh/blob/master/README.md>
- (7) <https://www.openarchives.org/pmh/>
- (8) <https://pan-training.eu/materials/delivering-data-services-to-eosc>
- (9) <https://github.com/SciCatProject/oai-provider-service/blob/master/LICENSE>
- (10) <https://github.com/icatproject/icat.oaipmh/blob/master/LICENSE.txt>
- (11) <https://b2find.eudat.eu/>
- (12) <https://www.openaire.eu/>



*ExPaNDS and PaNOSC have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No 857641 and No 823852.*