

4SCIENCE



SHARE YOUR KNOWLEDGE

Manage it, preserve it, share it



DSpace is the software of choice for academic, non-profit, and commercial organizations building open digital repositories. Adopted by more than 2,000 institutions worldwide, it is free and easy to use “out-of-the-box”. We help you install, host, customize, update and enrich your repository with advanced services to collect, organize, and disseminate your cultural heritage, digital assets, or research output and research data.



DSpace-CRIS is the free, open-source solution for Research Information Management, based on DSpace. It extends the DSpace data model to represent the entities and relationships that populate the research domain, such as researchers, projects, outputs, etc., creating the relationships to fully describe the network of research. Compliant with international de-facto standards such as ORCID and CERIF for interoperability, DSpace-CRIS facilitates the research governance for strategic and promotional activities, helps track and apply for funding opportunities, disseminates Open Science.



DSpace-GLAM is the free, open-source solution for Cultural Heritage, based on DSpace. It extends the DSpace data model to represent the entities that populate the cultural heritage domain, such as documents, persons, places, events, and so on, creating the relationships to fully describe their historical context. Compliant with international standards such as MODS, EAD, METS, DSpace-GLAM is specifically configured for Galleries, Libraries, Museums, and Archives, to collect, manage, curate, preserve, analyze and access their digital assets. 4Science distributes a IIIF Image viewer and other add-on modules that complete the platform.



DuraCloud is a hosted service for controlled preservation of digital content in the cloud, integrated with Amazon Simple Storage Service (S3), Amazon Glacier, and other cloud providers. It comes with tools to upload content from a local storage, keeping data safe during upload, performing periodic "health" checks, automatically synchronizing each copy between the chosen cloud providers. 4Science has become a Certified Partner of DuraSpace to provide DuraCloud Europe.



Dataverse is an open-source web application to share, preserve, cite, explore, and analyze research data. It facilitates making data available to others and allows to replicate others' work more easily. Researchers, data authors, publishers, data distributors, and affiliated institutions all receive academic credit and web visibility and satisfy data management plans required by research funders. 4Science contributed the software to deploy on AWS and is implementing the OpenAIRE guidelines for data repositories.

The Open Journal Systems (**OJS**) is a free, open-source journal management and publishing system that expands and improves access to research. OJS allows to manage every step of the refereed publishing process, from submissions to online publication and indexing, with different roles, and supports the management of journal subscriptions. Its plugin architecture facilitates compliancy with international standards such as COUNTER and LOCKSS. 4Science has recently improved the ORCID plugin, integrated data about projects for OpenAIRE compliancy, and released the Signposting patterns for OJS as recommended by COAR NGR.



DSpace / CRIS / GLAM Add-ons:

CKAN Integration

Add Research Data Management features to your DSpace

This add-on allows you to access CKAN services from DSpace, including direct preview of dataset content without the need to download the full dataset. Data are automatically exposed as secured web API and displayed in DSpace as a table, on a graph, on an interactive map, and can be sorted, filtered by values, or choosing variables on the axes, and much more.



IIIF Image Viewer

Use an international standard to work with image collections

The module allows to access and re-use high quality images, adapting them to any screen size and zoom level, rotating and scaling, without the need of downloading the files. Moreover, it manages the complexity of digital objects (page sequences, chapters, sections, etc.), and much more.



Document Viewer

View, access and work on full documents

The add-on allows the online visualization of PDF files in the browser, using only standard web features without the need for external plugins. It reduces the bandwidth use, downloading partial and resized image files at optimal resolution, and implements a "Search inside" feature with highlighting functionality.



OCR & Transcription

Get the text out of your digitized documents

The module enables the integration of DSpace with an external Optical Character Recognition (OCR) software. For each image a curation task allows extracting its text representation in hOCR format for full-text indexing in SOLR. Out of the box, the open-source OCR Engine Tesseract is supported, enabling recognition of a large set of languages.



Video/Audio Streaming

Simplify access and reuse of audio/video content

The streaming module allows to stream audio/video content using a solution entirely based on open-source components or integrated with external Media Server. Its adaptive streaming powered by the MPEG-DASH standard format provides each user with the best possible resolution of the audio/video stream according to their device and to the available connection speed.





4Science provides open-source solutions for Research Information & Data Management, Institutional & Data Repositories, Digital Libraries for Cultural Heritage.

We are a Registered Service Provider and a Certified Partner of DuraSpace, contributing in the DSpace community since 2003 with two committers and the lead of DSpace 7 REST sub-team, in other open-source communities such as DuraCloud, Dataverse, OJS, in international working groups such as euroCRIS CERIF and COAR NGR.





4Science supports research, cultural, governmental, private, and commercial institutions all around the world in managing and realizing digital projects to preserve and increase the value of digital assets. Our top-rated team of experts has gained decades of domain expertise and experience resulting from numerous collaborations with universities and research centres.


We guarantee full compliance with methodological and scientific international standards. We contribute to many open-source projects and collaborate at various levels with several international organizations to promote the adoption of open technological standards.



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Credits:

- Some graphic elements provided by Freepik.

4Science supports institutions all over the world and offers a variety of services for each solution, such as:

- Consultancy & training
- Analysis, design, and planning
- Installation & configuration
- Hosting & SaaS
- Maintenance and Support
- Data migration
- System integration
- Software customization
- Reporting & analytics



Growing by innovation