DSpace-CRIS Home

DSpace-CRIS is the first **free open-source extension of DSpace** for the Research Data and Information Management ever developed. Differently from other (commercial) CRIS /RIMS ⭐, DSpace-CRIS has the institutional repository as its core component, providing high visibility on the web to all the collected information and objects. DSpace-CRIS broadens DSpace functionality and expands its data model while remaining aligned with its code base.

DSpace-CRIS is built/maintained by 4Science.

DSpace-CRIS adopts/is compliant with international **standards and practices** to facilitate interoperability and data transfer:

- ORCID API v3 (complete compliance including pull/push of info for profiles, publications, projects)

- Signposting (which implement COAR NGR Recommended Behaviors)

- OpenAIRE Guidelines for Literature Repository Managers v4, for Data Archives, for CRIS Managers v1.1.1 (based on CERIF)

- PlanS (by Coalition S)

- FAIR principles

The main characteristic of DSpace-CRIS is its **flexible data model**, which allows you to collect and manage research data and information typical of a CRIS system, to define entities and attributes with their reciprocal links. If you would just want to enhance the management of authors, provide name variants and IDs such as the ORCiD, exploit the varied ecosystem of persistent identifiers, link researchers to projects, awards, etc., DSpace-CRIS flexible data model can support this without aggravating the management burden of a normal institutional repository, while giving a great added value. Besides, it has useful features such as the collaboration network graph, aggregated (by researcher, by department) bibliometrics and statistics with graphic reporting, CVs and bibliographies, integration with ORCiD API v.3 and much more, you can explore them vie the menu items here on the left.

Its flexibility allows to **configure different data models and metadata schemas**, providing the community with new and creative uses of DSpace, such as DSpace-GLAM (Galleries, Libraries, Archives and Museums) for the Cultural Heritage.

⭐ **What is a CRIS/RIMS?**

A Current Research Information System (CRIS) - also called Research Information Management System (RIMS) – stores and manages data about research conducted at an institution. Its scope is to provide researchers, managers and administrators, funders and decision makers, with a solid knowledge of the research activities, their outputs and results to inform institutional strategies.

CRIS systems are also useful to evaluate research performance, expose results to find new funding opportunities, avoid duplication of activities, analyze trends, reference to full-text or multimedia scholarly publications, locate new contacts and identify new markets for products of research, disseminate research to support open knowledge.

This DSpace-CRIS wiki space has been provided by LYRASIS for the purpose of exposing the documentation in a useful, collaborative way to provoke discussion among DSpace and DSpace-CRIS users. At this current stage, LYRASIS is not directly involved in the stewardship or support of the DSpace-CRIS software. The DSpace-CRIS wiki space helps ensure more cross-pollination between the projects, e.g. what features of DSpace-CRIS might be adopted in native DSpace, such as the "entities". An eventual goal is to permit DSpace users to optionally make use of the DSpace-CRIS functionality as an "add-on", so that there is no longer a need to fork the DSpace code.

The DSpace-CRIS' Vision: Publications are an important component of the research lifecycle: they create links between scholars and they support research administrators in the measurement and decision making processes. However there are many other equally important entities in the research ecosystem that need description, reciprocal links and tracking, such as projects, grants, patents, organization units, researcher profiles (people), etc. Integrating and contextualizing all these entities along with publications, creates great value for each of those entities in terms of visibility, discovery and the understanding of the complexity of the research domain. Nowadays, the most common definition for such integration is "Current Research Information System" (CRIS)

DSpace-CRIS enables the ingestion, storage, display and management of data and metadata for all the abovementioned research entities. This module produces a smooth integration between native DSpace items (publications) and other CRIS entities. All entities can then be linked to each other using autocomplete/lookup functions in the submission/edit phase and/or the inter-navigation in visualizations.

History and maintenance: Three DSpace Committers, Andrea Bollini (4Science) , Luigi Andrea Pascarelli (4Science) and Giuseppe Digilio (4Science), are also actively involved in the development and maintenance of DSpace-CRIS (originally developed at Cilea/Cineca as a project funded by the Hong Kong University). Besides their committment, a larger community is growing around DSpace-CRIS as a means to represent the research domain, see DSpace-CRIS Users.

Support options: see DSpace Support for free support, DSpace Service Providers for professional support.

If and whenever needed, any DSpace-CRIS installation can be easily turned (back) into a basic DSpace installation with no need to change or convert any data. The additional information used by DSpace-CRIS is kept in separate tables, and the integration with the standard DSpace features is provided by the DSpace authority framework.

DOWNLOAD

✅ **Latest release DSpace-CRIS 7 2023.02.03: REST | Angular**

Current maintenance branches

DSpace-CRIS 7: REST | REST Contract | Angular

Development branches

DSpace-CRIS 7: REST | REST Contract | Angular

The code is maintained by its original developers and other contributors in the 4Science repository, free to use for everyone. Feel free to submit your Pull Request to start collaborating with the DSpace-CRIS / GLAM community.

Demo installations are available here**:**

https://dspacecris7.4science.cloud (DSpace-CRIS 7)

https://dspace-cris.4science.cloud/

For version 5 and 6 it is recommended to use the latest code in the live maintenance branch as it includes ongoing bug fixes and improvements. Ve rsion 5 is more stable and also richer (thanks to the numerous contributions of institutions using it, all contributions are being ported directly to version 7).

DSpace-CRIS 6.x | DSpace-CRIS 5.x

Navigate space

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