

DSpace-CRIS

a Current Research Information System

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23.03.2025



Introduction I



Introduction II

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Publikationen im Jahr 2025

- Concas F. and Groß M. (2025), Analysis of stripe domain, 17th International Conference on Advanced Computational Mech. and Thermodyn., 2025, DOI: 10.1007/s00161-025-00161-02

Publikationen im Jahr 2024

- Concas F. and Groß M. (2024), Dynamic large strain for Conference on Advanced Computational Engineering and Mech. and Thermodyn., 2024, DOI: 10.1007/s00161-024-00161-02

Publikationen im Jahr 2023

- Groß M., Dietzsch J. and Concas F. (2023), A new mixture of elastomers. Joy of Mechanics thematic conference (Joy Room: 1/B204) Schweden, 24-26 August 2022. Eur. J. Mech. A Solids 118: 107377, 2023, DOI: 10.1016/j.ejmech.2023.107377
- Concas F. and Groß M. (2023), Principle of virtual power behavior of liquid crystal elastomer films, 15th International Conference on Computational Mechanics, 2023, DOI: 10.1007/978-3-031-43111-1_10
- Dietzsch J., Kalaimani I. and Groß M. (2023), Incorporation of fiber-bending stiffness in composites, F

Christoph Göpfert
Research Associate












Personal Information

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Schweden, 24-26 August 2022. Eur. J. Mech. A Solids 118: 107377, 2023, DOI: 10.1016/j.ejmech.2023.107377
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Past Projects

Christoph Göpfert
Adaptive user input interfaces based on domain-specific ontologies for research dataset publishing (Codename: Astatine)
Type of project: Masterarbeit Advisers: André Langer, Martin Gaedke Research Area: Intelligent Information Management
Christoph Göpfert
Evaluation of the Credibility of Simple and Natural Language News using Linked-Data and Background Knowledge (Codename: Sodium)
Type of project: Bachelorarbeit Advisers: André Langer, Martin Gaedke Research Area: Intelligent Information Management
Christoph Göpfert, Martin Richter, Hannes Breckenfelder
ISO/OSI layer packaging simulator (Codename: Bismuth)
Type of project: Teamorientierte Projektarbeit Advisers: André Langer Research Area: Web Engineering

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Professur für Grundlagen der Informatik

Mendler, Michael

Bereich Informatik


Publikationen
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230



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 1096


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1859

Introduction IV

A Current Research Information System (CRIS) is a software solution for recording, managing, analyzing and providing information about research activities at an institution, such as a university or research institute.

What we wish to find:

- structured data (links),
- context-based queries (search, refine results),
- avoid redundancy (enter once – use twice),
- complementing functionality (offer repository),
- interoperability (exchange data).



Software Solutions

Free Open-source



In-house developments



Proprietary



Dominik Kern



<https://orcid.org/0000-0002-1958-2982>



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Works (42)



Sort

Numerical simulation of wave-induced evolution of small-strain stiffness in submarine environments: Effects on seismic wave propagation

Ocean Engineering

2025-03 | Journal article

DOI: [10.1016/j.oceaneng.2024.120188](https://doi.org/10.1016/j.oceaneng.2024.120188)

CONTRIBUTORS: Tengfei Deng; Dominik Kern; Thomas Nagel

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Effects of Glacial Isostatic Adjustment on Fault Reactivation and Its Consequences on Radionuclide Migration in Crystalline Host Rocks

Environmental Modeling & Assessment

2025-02 | Journal article

DOI: [10.1007/s10666-024-09997-3](https://doi.org/10.1007/s10666-024-09997-3)

CONTRIBUTORS: Dominik Kern; Fabien Magri; Victor Malkovsky; Holger Steffen; Thomas Nagel

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Ocean Engineering, 2025
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Editor's note, May 4, 2021 – In a [recent blog post](#), it was announced the Microsoft Academic website and underlying APIs will be retired on Dec. 31, 2021.

History

DSpace-CRIS is an extension of the repository software DSpace



Thus DSpace CRIS shares much functionality, code and configuration files with DSpace.

Community

github.com

wiki.lyrasis.org

The image shows a GitHub repository for `4Science/Dspace` and a Confluence page for `DSpace-CRIS Users`.

GitHub Repository:

- Repository: `4Science/Dspace` (Public)
- Forked from: `DSpace/DSpace`
- Code: 397 Branches, 154 Tags
- This branch is 4380 commits ahead of, 2645 commits behind `DSpace/DSpace:main`.
- Recent commits: `danieleninfo` and `atarix83` merged in `task/dspace-cris-2023_02_x/DSC-22...` 2938ff - last week, 22,615 Commits.
- Recent releases: `DSpace-CRIS release 2024.02...` on Dec 31, 2024.
- Recent updates: `improvements and pom cleanup` 3 weeks ago, `prepare for next development ita...` 4 months ago.

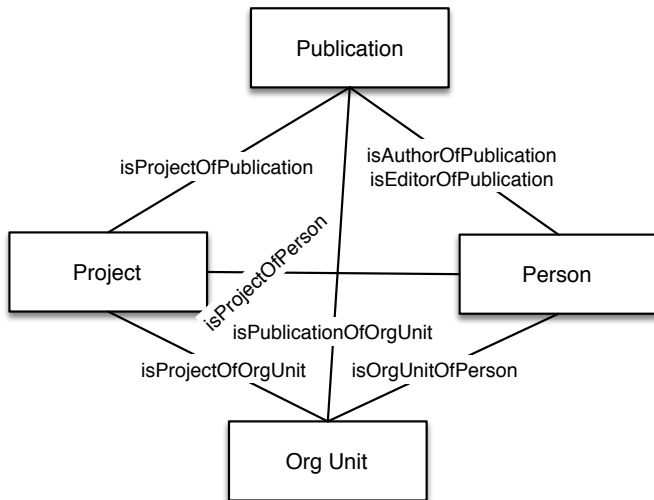
Confluence Page:

- Page: `DSpace-CRIS Users`
- Created by: Susanna Monaldi (4Science), zuletzt geändert am Jan. 28, 2025.
- Content: A partial list of DSpace-CRIS users around the world. If you are a DSpace-CRIS user and your will have the chance of getting in contact to develop new projects together. The list also includes users of DSpace-GLAM (Galleries, Libraries, Archives and Museums, a configuration of DSpace-CRIS is supported by OpenAIRE funding:
 - <https://www.openaire.eu/openaire-tender-calls-results>
 - <https://www.openaire.eu/blogs/realizing-the-implementation-of-the-openaire-cris-cert-guidelines>and by a number of organizations, including Technische Universität Hamburg, University of Bamberg.
- The number of DSpace-CRIS and GLAM installations is growing steadily worldwide.
- Africa:
 - Durban University of Technology, South Africa, <https://ir.dut.ac.za/>
 - Cape Peninsula University of Technology, South Africa, <https://digitalknowledge.cput.ac.za/>
 - University of Mpumalanga, South Africa, <https://openscholar.ump.ac.za/>
 - Bahir Dar University, Ethiopia, <https://nims.bdu.edu.et/>
 - Abdelhamid Mehri University, Algeria, <http://dspace.univ-constantine2.dz/>

GitHub, Confluence, Slack Channel, Support (with costs)

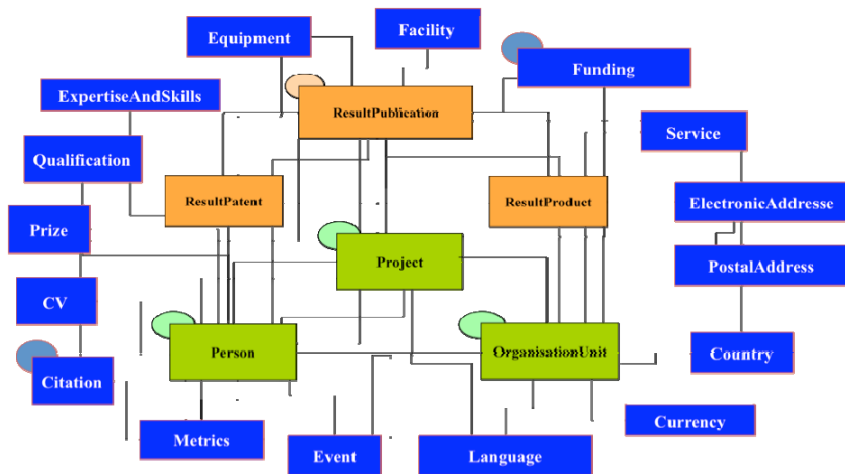
Default Entity Model

DSpace-CRIS 7
Technical Documentation



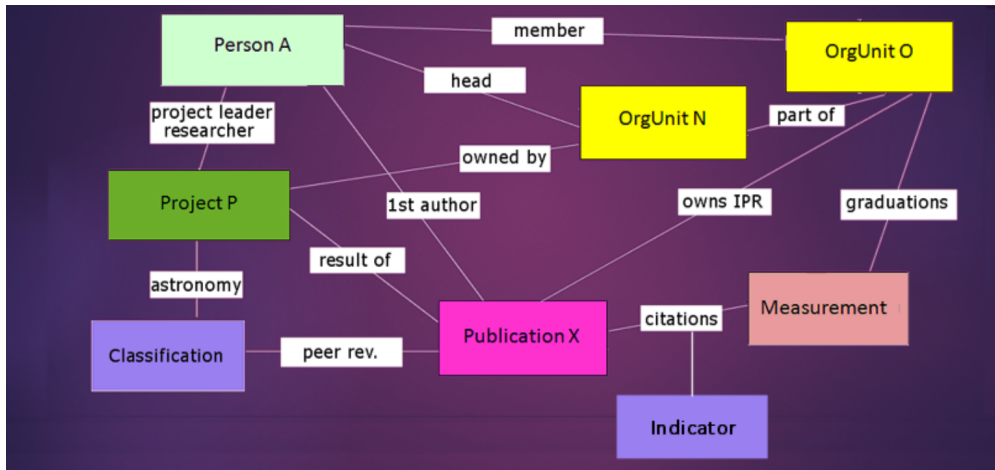
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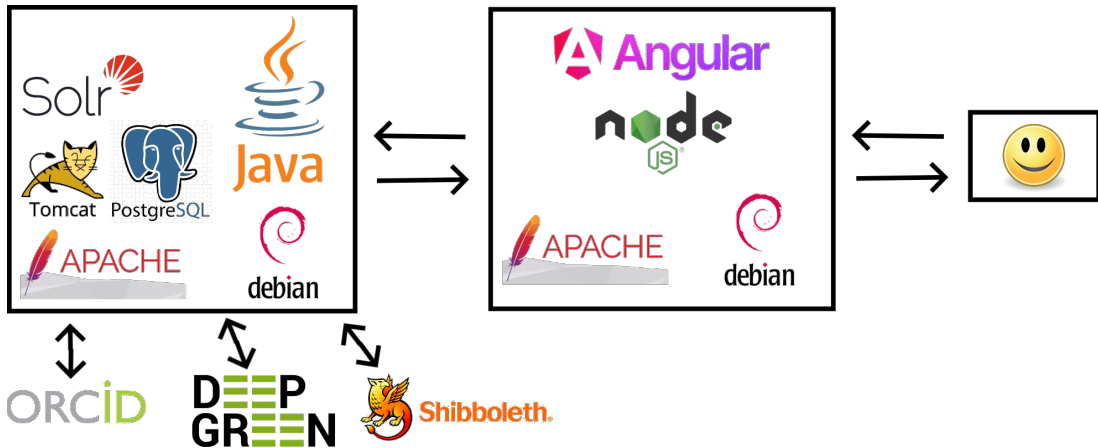


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Tech Stack



Summary

- A Current Research Information System

- collects and shares information about research projects, publications, fundings, collaborations, researchers, and institutional affiliations.
- It helps to streamline research management, improve reporting, and enhance visibility of research outputs.

- DSpace-CRIS

- extends a repository software (DSpace) to manage research data, including publications, projects, researcher profiles, and organizational units.
- With a flexible data model, it supports research management, reporting, and interoperability with standards like CERIF.
- It integrates with services such as ORCID, PubMed, and Web of Science.