Synsicris Technical Highlights

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Deputy leader of the euroCRIS CERIF TG for CRIS Architecture
Member of the Working Group of COAR Next Generation Repositories
Leader of the DSpace 7 REST team
Started DSpace-CRIS back in 2009, open sourced in 2013
Technical approach

Agile methodology
- 4 weeks sprint
- incremental
- TDD: Continuous integration
- Wireframes → PoC → Implementation

Open source: DSpace-CRIS 7
What is DSpace-CRIS?

The first open source CRIS system

More than 100 installations Worldwide, in all continents!

A working solution since 2009, open sourced 2013

DSpace extended to all Research entities

People, Organization, Projects, etc.

To better support:

Interactions
Reputation
Dissemination

Institutional Repository
What is DSpace-CRIS?
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DSpace-CRIS 7: Ready to use, out-of-box

Default data model based on OpenAIRE information space and CRIS guidelines

Support for real CRIS workflows and use cases

- Full ORCID integration (pull & push)
- Profile (self)management and curation, CV export
- Data quality checks & tools: deduplication, publications claim/unclaim, publication-patent-project lookup
- Fine-grain security

Easy to maintain, most frequent administrative tasks can be performed via UI

Modern UX, full REST API backend
DSpace-CRIS 7: Modern, scalable, interoperable
Synsicris challenges

Impact, Reuse, Dissemination vs reputation

Funder vs Institutional

Project design & monitoring vs “Simple reporting”

Icons from the Noun project - https://thenounproject.com/
Synsicris challenges

Project centric
- New tools/features needed
- Additional entities (IPW, spinoff, ethics, …)
- Planned and Result Entities
- Security and privacy implication
Contribution to mainstream

Improved handling of multi language: support for German and English is mandatory

Better UX: make easier to input data, hierarchical vocabularies, data validation, object scope

Offline Tool to simplify the entity configuration

Granular security in data access

Integration with European Patent Office
Thank you for your attention!

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