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ICT Solutions for Brilliant Minds

The Case Study on "European Integration of National-level services" of FAIRCORE4EOSC

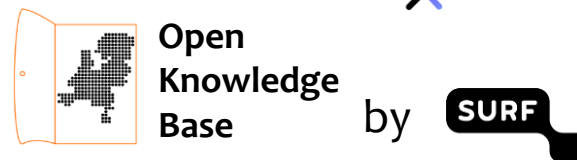Joonas Nikkanen https://orcid.org/0000-0002-5036-6444

Development Manager, CSC - IT Center for Science

European Integration of National-level services

National built systems for CRIS-like information would be invaluable sources of data for e.g. research assessment, science policy-making or to highlight EOSC-related contributions if interoperability and extensive data exchange could be achieved

Some discussion items – highlighted in FAIRCORE4EOSC case study work:

- Handling research project and activity information – RAiD
- Enriching information in your system – PID Graph
- Exchanging and aggregating CRIS information – OpenAIRE and CERIF

What's in it for the CRIS / RIM community?

Handling research project and activity information – RAiD

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- Research project might include information on: people, publications, funding, activities etc. -> collection of different research entities and roles within projects
  - How to handle all this interlinking entities in a meaningful way and track the impact and outputs of projects?

- RAiD is persistent identifier for research projects and activities – an envelope of metadata, delivered by Australian Research Data Commons (ARDC)

What's in it for you?

Ability to mint RAiDs and update/retrieve metadata via European RAiD registry

Ideas for governance model and practices on how to handle projects within CRIS systems

Enriching information in your system – PID Graph

- PIDs can provide unambiguous linking between persistent identifiers of the same type, e.g. journal articles citing other articles or linking a researcher and the datasets they produced

- Datacite PID Graph tool to provide these links between research entities, but also to utilize them e.g. claiming of links between entities and following the usage metrics

What's in it for you?

Enrichment of metadata records for nodes and links via APIs and data dumps

Ingest usage data of PIDs

Exchanging and aggregating CRIS information – OpenAIRE and CERIF

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- How to exchange information between CRIS systems and aggregate information in a sustainable way while taking care of data quality and keeping up with inevitable updates to data models?

- Refactored CERIF data model as common for doing data exchange of national CRIS systems & OpenAIRE RDGraph aggregator of CRIS information

What's in it for you?

New CERIF data model as crosswalkable schema in MSCR and ability to add yours

A template on how to integrate wider set of entities to OpenAIRE and maintain data exchanges between systems

Thank you!

More information:
https://faircore4eosc.eu/

www.research.fi

joonas.nikkanen@csc.fi

facebook.com/CSCfi

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github.com/CSCfi