

Interoperability

Amsterdam, Nov 12, 2014

Martin Jagerhorn, Head of Converis Customer Relations

THOMSON REUTERS

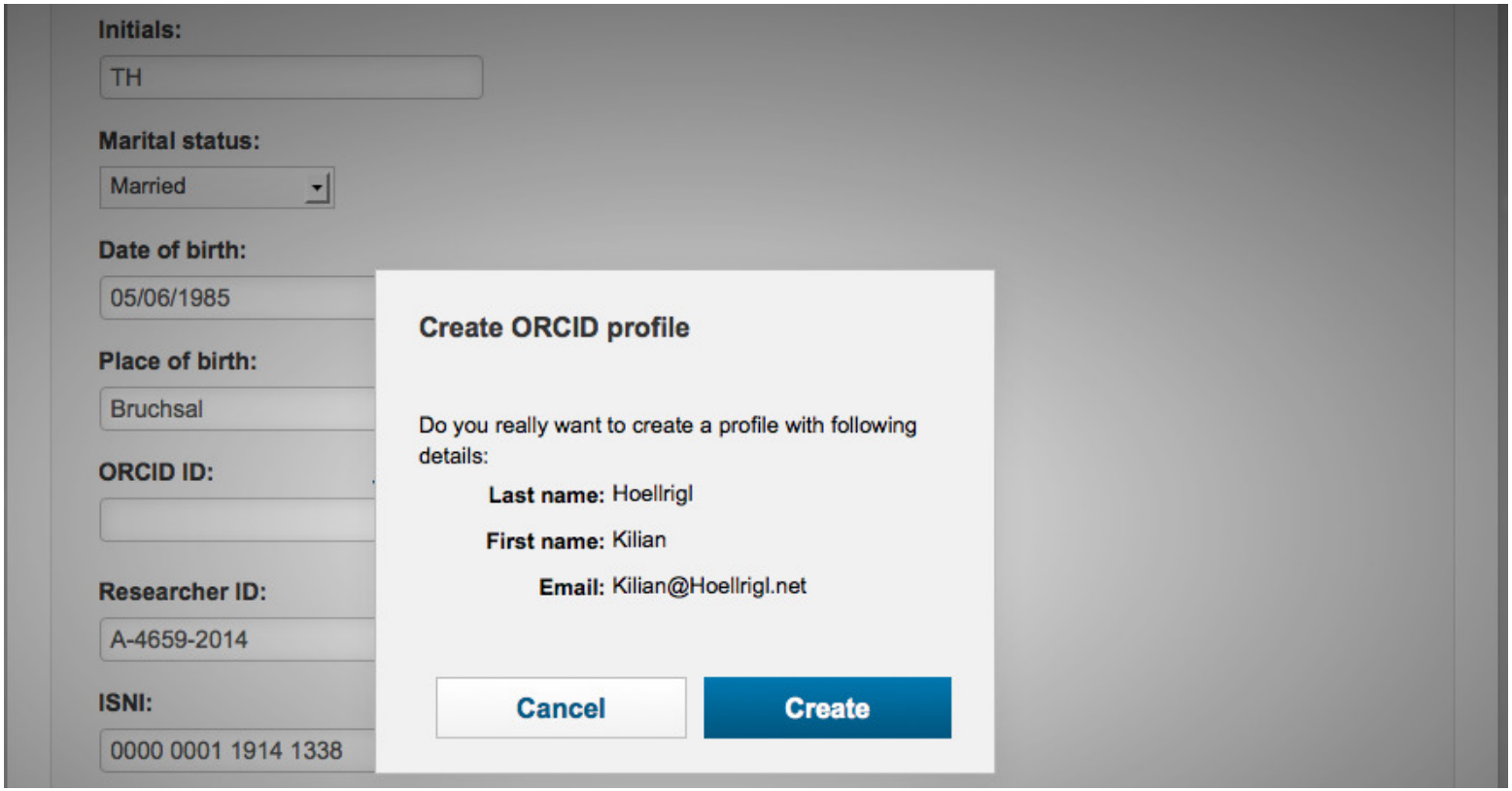
Building blocks for a seamless cross-institutional workflow

- Systems to collect and exchange required information
  - Research Institution
  - Funder / Publisher
  - Third parties (e.g. content providers)
- Dictionaries for understanding the information
- Technical format and protocols for communication
- Bottom line:
  - Technology is ready
  - Many, many, many initiatives going on, but…
  - Use cases are fragmented / not yet strong enough

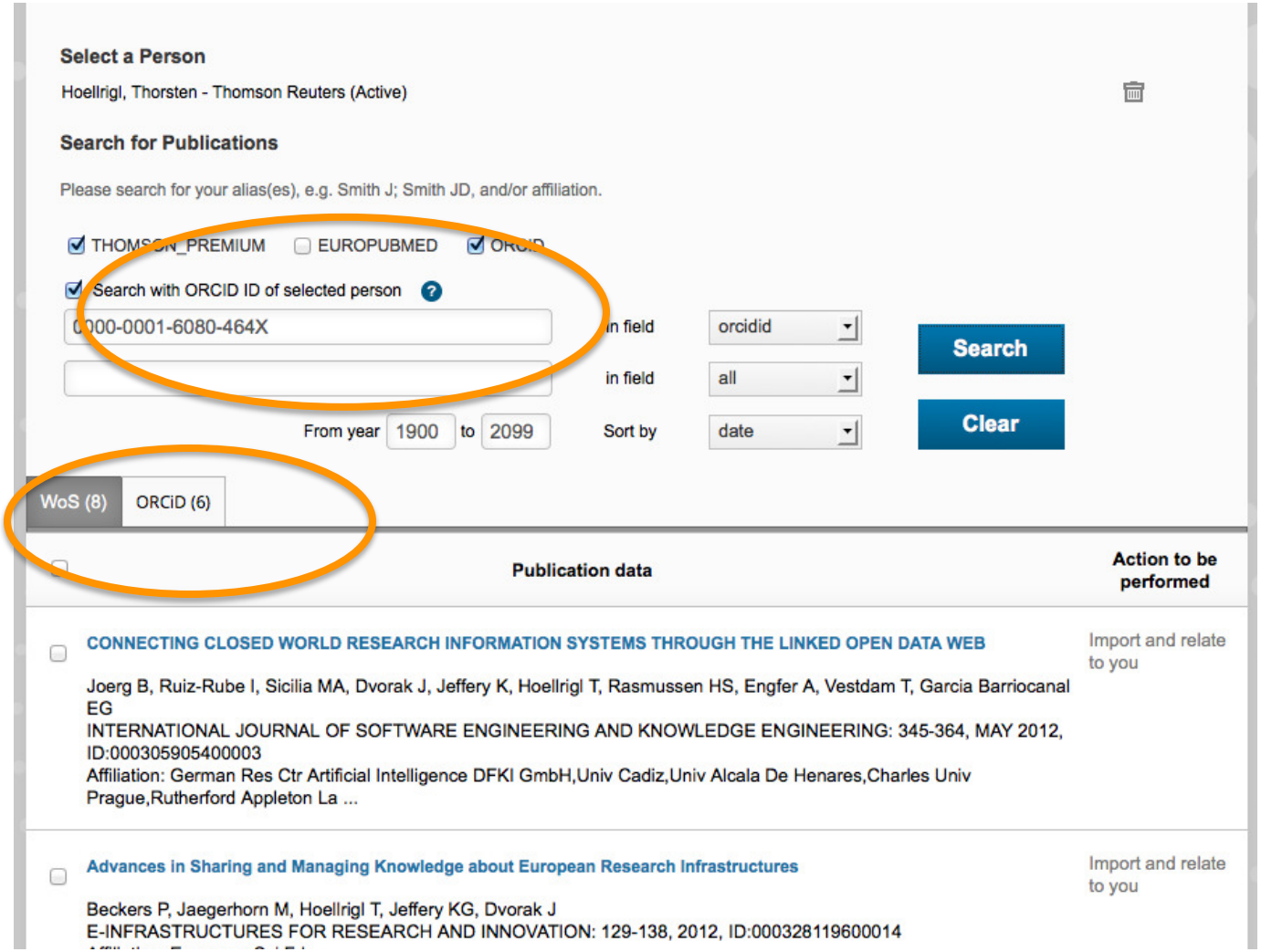
Examples of Interoperability

- Identifiers: the starting point
- CV submission
- Region of Bolzano (bottom up)
- SweCRIS (top down)

Directly Create a ORCID ID out of Converis



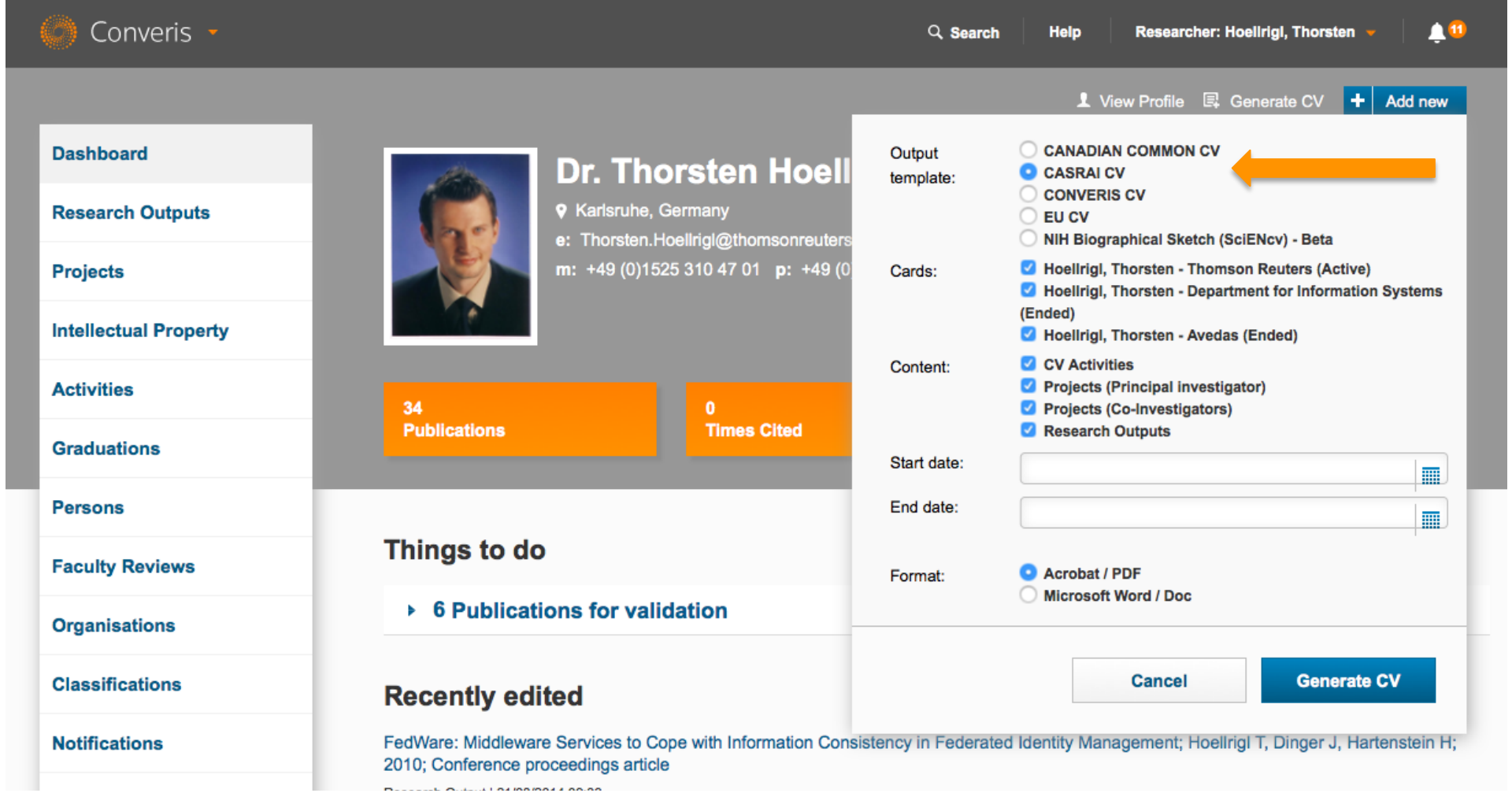
Use ORCID ID to import publications



CV submission

- Standard vocabulary => Ease of interpretation

- Standard output format => Bridging different systems



THOMSON REUTERS

Region of Bolzano

- Objective
  - Get an overview of the research landscape in the region of Bolzano
- Stakeholders
  - Region of Bolzano: Funder
  - University of Bolzano & EURAC: Research Institutions
  - Further being added over time
- Regional Framework for Converis
  - Shared services / Pricing / Hosting
  - Exchange from institutions to the funder
    - Identifiers / No duplication
    - People, Org units, Pubs / Outputs, Projects & Contracts, Equipment, Patents.

Projects (59)

Filter | Export | Report | Status | Visibility | Relate | Delete

Please pick the items to export before you adjust the export settings

Which content do you want to export? **Selected items** / **Filtered items**

Do you want to use a template? **No, define individual export** / **Yes, use template**

What settings do you want to use for the export?

Export format: CERIF XML



Cancel | Export

Select / Deselect all | Updated on descending | 10 | 50 | 100 | 1 of 6

Integrated Grants.gov

Sosa, Valentina (Department of Computational Mathematics)
Charity funded

Not publicly visible
In preparation

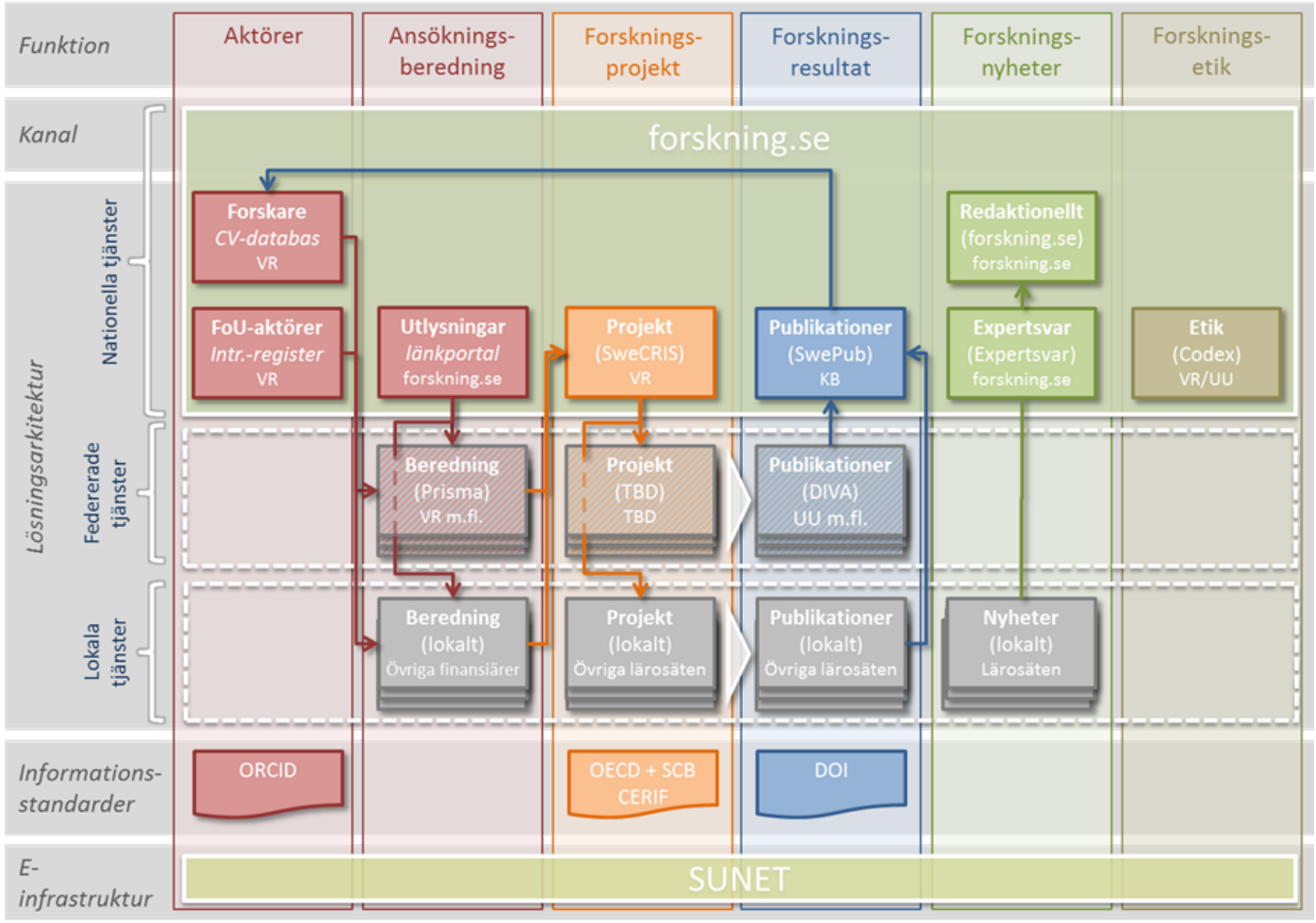
Coolant pump

Einstein, Albert (Department of Theoretical Physics)
Internally funded project
(12/01/2008-10/04/2010)

Visible in research portal
Live

SweCRIS: part of the national ecosystem

Digitalt ekosystem för forskningsinformation



CONVERIS / OA (e.g. for SwePub)

Publication Status

A comparison of different three-dimensional treatment planning techniques for localized radiotherapy of prostate cancer ?

Koswig S, Dinges S, Buchali A, et al. (1999)
Strahlentherapie und Onkologie
Volume number: 175 (Pages: 10-16)
Journal article
View additional information: View in Web of Science

Visible in research portal
Validated

Sherpa/Romeo Colour

Journal: *

Name	Acronym	Publisher	ISSN	eISSN
Strahlentherapie und Onkologie		Springer Verlag (Germany)	0179-7158	1439-099X

Green - can archive pre-print and post-print or publisher's version/PDF

Pre-Print Embargo Period

Embargo date for full text:

If the full-text(s) associated with this publication are subject to an embargo date, please record that here. CONVERIS will only export full-text(s) for this publication once the embargo date is exceeded.

Full text deposited:

CONVERIS
Research Management System

Home > Configuration

Configuration

System Resources

- Timers (12)
- ChoiceGroups (143)
- Constants (269)
- Special Rights (244)
- Create Rights (90)
- Module Permissions (3
- Workflow Matrix (376)

Data Model

- Entities (65)
- Entity Attributes (955)
- Link Entities (339)
- Find Related
- Login Server
- Claimings (6)

Template management

- Entities (705 + 182)
- Reports (8)
- CVs (5)

OAIPMH_ADMIN_EMAIL	brigitte.joerg@thomsonreuters.com
OAIPMH_DELETING_STRATEGY	no
OAIPMH_ENABLED	true
OAIPMH_GRANULARITY	YYYY-MM-DD
OAIPMH_REPOSITORY_ID	converis
OAIPMH_REPOSITORY_NAME	Converis OAI-PMH
OAIPMH_SUBJECT_ATTRIBUTE	NAME
OAIPMH_SUBJECT_RELATION	REL_TAGS_HAS_PUBL,R

CONVERIS
Research Management System

ir-config.xml

```
<irconfig>
<ir name="oaipmh">
    <mapping>
    <!-- SetSpecs -->
    <infoobjecttype name="Publication" relation="">
        <attribute name="Publication type" type="choicegroup" lang="false">
            <element>doc-type</element>
            <qualifier>publication type</qualifier>
            <!-- Publication Types according to DINI 2010 v3.0 (table 2) -->
            <value>preprint</value>
            <value>workingPaper</value>
            <value>article</value>
            <value>contributionToPeriodical</value>
            <value>PeriodicalPart</value>
            <value>Periodical</value>
            <value>book</value>
            <value>bookPart</value>
            <value>Manuscript</value>
            <value>StudyThesis</value>
            <value>bachelorThesis</value>
            <value>masterThesis</value>
```

CONVERIS OAI-PMH Functions (e.g. DC, SwePub_MODS)

- List Records: https://standard.avedas.com/converis5-standard-config/oaipmh?verb=ListRecords&metadataPrefix=oai_dc

CONVERIS OAI-PMH Functions

<OAI-PMH xmlns="**http://www.openarchives.org/OAI/2.0/**" xsi:schemaLocation="**http://www.openarchives.org/OAI/2.0/ http://www.openarchives.org/OAI/2.0/OAI-PMH.xsd**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**"><responseDate>2014-09-23T08:35:11Z</responseDate><request verb="**ListRecords**" metadataPrefix="**oai_dc**">https://standard.avedas.com/converis5-standard-config/oaipmh</request>

<ListRecords>
<record>
<header><identifier>oai:converis:publication/4197</identifier>
<datestamp>2014-09-03T12:42:49CEST</datestamp><setSpec>doc-type:Article</setSpec><setSpec>status-type:publishedVersion</setSpec></header>

<metadata><oai_dc:dc xsi:schemaLocation="**http://www.openarchives.org/OAI/2.0/oai_dc/ http://www.openarchives.org/OAI/2.0/oai_dc.xsd**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**" xmlns:dc="**http://purl.org/dc/elements/1.1/**" xmlns:oai_dc="**http://www.openarchives.org/OAI/2.0/oai_dc/**">
<dc:title>Extension for information card systems to achieve User-Controlled Automated Identity Delegation</dc:title><dc:creator>Hoellrigl, Thorsten</dc:creator><dc:creator>Hartenstein, Holger</dc:creator><dc:date>2011-12-31</dc:date><dc:type>Article</dc:type><dc:description>The growing number of IT services in distributed systems is directly related to the security and privacy of personal data. User-centric federated identity management (FIM) attends to the privacy issue by enabling users to approve each data dissemination between the providers of identity-related information, so-called identity providers (IdPs), and the consumers of this information, the service providers (SPs). Furthermore, user-centric FIM tries to improve security and usability by providing users with a consistent digital-identity experience using so-called information cards (InfoCards). The InfoCard-based approach can help to improve usability, privacy and security, however, the approach is limited to front-channel communication and requires that each data exchange is manually approved by the user. A back-channel communication might be required in scenarios, in which an IdP wants to notify SPs about e.g. a deactivation of a user. In [3] we proposed an approach, named User-Controlled Automated Identity Delegation, that allows a back-channel communication by automating user approval based on delegation. In this paper we demonstrate the practicality of the approach in a real-world scenario by providing a performance evaluation conducted on a prototypical implementation. © 2011 IEEE. </dc:description><dc:identifier>http://dx.doi.org/10.1109/INM.2011.5990580</dc:identifier><dc:identifier>0018-9448</dc:identifier></oai_dc:dc></metadata></record>

Looking forward to use cases, like:

- Output collection systems
  - OpenAIRE (OAI-PMH + CERIF-XML): Q1, 2015
  - ResearchFish: ???
- Publishers' submission systems
  - ScholarOne
  - Others
- Funders' grants management systems (e.g. Prisma, JeS, …)
  - With Converis: CERIF-XML, CASRAI, ORCID
  - Without Converis: CERIF-XML, CASRAI, ORCID