



STANDARDISATION & FLEXIBILITY

Philip Purnell

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THOMSON REUTERS

REALISATION OF THE VISION

- Small number of core components
 - Unique and persistent identifiers for
 - Researchers
 - Research projects and activities
 - Organisations
 - Machine readable means to interpret & exchange data
- Promising examples :
 - CERIF
 - CASRAI
 - ORCID

COMMON EUROPEAN RESEARCH INFORMATION FORMAT - CERIF

- Datamodel under custodianship of euroCRIS
- Representation of
 - Research entities
 - Their activities
 - Their outputs

euroCRIS Members in Turkey

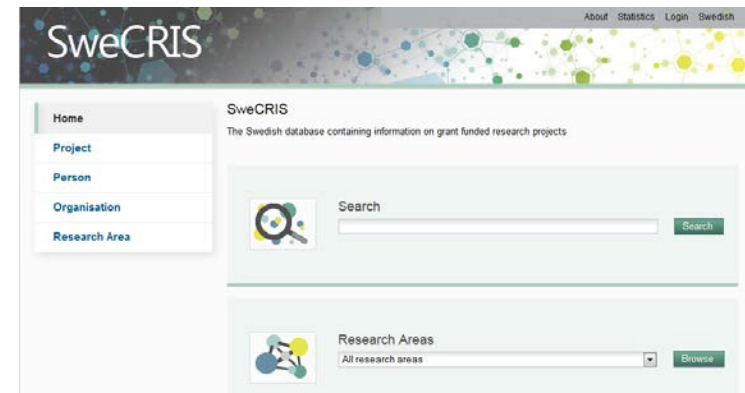
INSTITUTIONAL MEMBERS:

Izmir Institute of Technology, Gulbahce koyu, Urla, 35430, Izmir, <http://library.iyte.edu.tr/>

• Gültekin Gürdal - gultekingurdal@iyte.edu.tr - +90 232 7506330

Joint initiative between 10 Swedish universities

Uses CERIF datamodel to exchange grant funded research data



CERIF BUILDING BLOCKS

Construct	Description *	Examples
Entity	A thing which is recognized as being capable of an independent existence and which can be uniquely identified.	cfPerson , cfOrganisation , cfCurriculumVitae , cfPostalAddress , cfElectronicAddress , cfFunding , cfProject
Relation	A set of tuples for a defined domain, where each element is an attribute value.	cfPerson.cfPersonName_Person , cfPerson.cfPerson_OrganisationUnit , cfPerson.cfPerson_Project
Attribute	Entities may have various attributes to characterise them.	cfPerson.cfGender , cfPerson.cfPersonName_Person.cfFirstNames , cfPerson.cfPersonName_Person.cfFamilyNames ,
Timestamp	The date or time at which the record is true in the modelled world, also known as valid time.	cfPerson.cfPerson_OrganisationUnit.cfStartDate cfPerson.cfPerson_OrganisationUnit.cfEndDate
Multilinguality	Applied with multilingual attributes.	cfCurriculumVitae.cfName , cfPerson.cfResearchInterest , cfClassificationTerm
Semantic Entity	An entity employed for declaring CERIF semantics.	cfClassification , cfClassification.cfClassification_cfClassification , cfClassificationScheme , cfClassificationScheme.cfClassificationScheme_cfClassificationScheme
Vocabulary Term	An attribute of the CERIF Classification entity.	cfClassification.cfTerm
Vocabulary Scheme	An entity employed with definitions of CERIF vocabularies.	cfClassificationScheme.cfName

CONSORTIA ADVANCING STANDARDS IN RESEARCH ADMINISTRATION INFORMATION - CASRAI

Mission – to advance standards

Common dictionary for exchange of research administrative data

Concept	Description	Examples
Profile	A pre-defined subset of data that satisfies the information requirements of a specific work process.	Abridged CV
Grouping	A collection of related records to aid human readability.	Identification, Education, Employment, Contact, Funding, Grants (Sub-Grouping)
Record Type	A single and complete set of related fields.	Person Info, Research Classification, Degrees, Supervisors, Professional Designations, E-mail Addresses, Mailing Addresses, Phone Numbers, Multi-year Details, Grant Participants,
Field	A single piece of information.	First Name, Gender, Keywords, Degree Name,
List	An authoritative collection of coded terms that constrain a field.	Salutation, Topic, Field of Application, Discipline,

OPEN RESEARCHER & CONTRIBUTOR ID - ORCID

- International registry of unique & persistent identifiers for researchers
- Researchers control content and sharing
- ORCID identifiers connect by incorporation

Author Information

Reprint Address: Ginther, DK (reprint author)

+ Univ Kansas, Dept Econ, 1460 Jayhawk Blvd, Lawrence, KS 66045 USA.

Addresses:

- + [1] Univ Kansas, Dept Econ, Lawrence, KS 66045 USA
- + [2] Univ Kansas, Ctr Sci Technol & Econ Policy, Lawrence, KS 66045 USA
- [3] Thomson Reuters, Discovery Log, Rockville, MD USA
- + [4] NIH, Bethesda, MD 20892 USA
- [5] Grinnell Coll, Grinnell, IA 50112 USA

E-mail Addresses: dginther@ku.edu

Author Identifiers:

Author	ResearcherID	ORCID Number
Haak, Laurel	C-4986-2008 View profile at ResearcherID.com	http://orcid.org/0000-0001-5109-3700

WEB OF SCIENCE™

Search All Databases

Basic Search

Example: A-1397-2010 OR 0000-0001-5297-9108

+ Add Another Field | Reset Form

Author Identifiers

- Topic
- Title
- Author
- Author Identifiers
- Editor
- Group Author
- Publication Name
- DOI
- Year Published

TIMESPAN


All years













From 1864 to 2014




Search

COMBINING MULTIPLE FORMATS IN A SINGLE SOLUTION

CONVERIS
Research Management System

Search: 

Dr. Thorsten Hoellrigl   

Email: Thorste
Mobile: +49 (0)
Phone: +49 (0)
URL: <http://www>
ORCID ID: 0000 0000 0000 0000
Researcher ID: A-1234-5678
ISNI: 0000 0000 0000 0000
Address:
Zur Gießerei 2
76227 Karlsruhe

Work Experience
From 01/12/2010 to 31/08/2011: Head of Unit, [Department of Informatics](#)

Output template:


- CANADIAN COMMON CV
- CASRAI CV
- CONVERIS CV
- EU CV
- NIH Biographical Sketch (SciENcv) - Beta


Cards:

- Hoellrigl, Thorsten - Thomson Reuters (Active)
- Hoellrigl, Thorsten - Avedas (Ended)
- Hoellrigl, Thorsten - Department for Information Systems (Ended)

Content:

- CV Activities
- Projects (Principal investigator)
- Projects (Co-Investigators)
- Publications

Start date: 

End date: 

Format:

- Acrobat / PDF
- Microsoft Word / Doc

CASE STUDIES

- Open source
- Open standards
- Open govt. licence
- Analyse results of publicly funded research



Data

The data on this website provides information about publications, people, organisations and outcomes relating to research projects

APIs

The data is accessible programmatically using one of three application programming interfaces [GIR](#), [GIR-2](#) and [CERIF](#)

OGL

All content is available under the [Open Government Licence v2.0](#), except where otherwise stated

GtRAPI
CERIF



XML
JSON

CASE STUDIES COLLABORATIONS

G4HE About G4HE **BETA**

Search for your organisation by typing the name above, then selecting from the dropdown list options, and we will have a quick look to see what information we have available.

Explore research data
Check out what research is going on, find out about the funding, and take a look at the outcomes. Visualise your own research projects and relationships and learn more about your community

Make research easier
Get some value out of all your research admin responsibilities — find out how good the public data about your research is, see who you should be collaborating with, and benchmark your successes.

- Information flow btw HEIs and funders
- Extracts data from GtR
- HEIs analyse collaboration patterns
- Identify potential co-investigators



CASE STUDIES FLEXIBILITY

- Open Access Infrastructure for Research in Europe
- Developing open access movement in Europe
- Monitors FP7 & ERC funded research
- Semantic relationships for linking

The screenshot displays the OpenAIRE website interface. At the top, the OpenAIRE logo is on the left, and navigation links for 'PARTICIPATE', 'SEARCH', 'STATISTICS', 'SUPPORT', and 'OPEN ACCESS' are on the right. Below the navigation is a grid of four service tiers: 'OpenAIRE basic', 'OpenAIRE 2.0', 'OpenAIRE 2.0+', and 'OpenAIRE 3.0'. Each tier includes a primary content type (e.g., 'ONLY OPEN ACCESS CONTENT') and a secondary path (e.g., 'via driver oai set'). A search bar with a dropdown menu for 'Repositories' and a search icon is located below the grid. At the bottom, four user roles are listed with icons and brief descriptions: 'Researchers' (deposit publications), 'Data Providers' (register and validate content), 'Research Managers' (learn about EC policies), and 'Funding Agencies' (learn how to embrace OA).