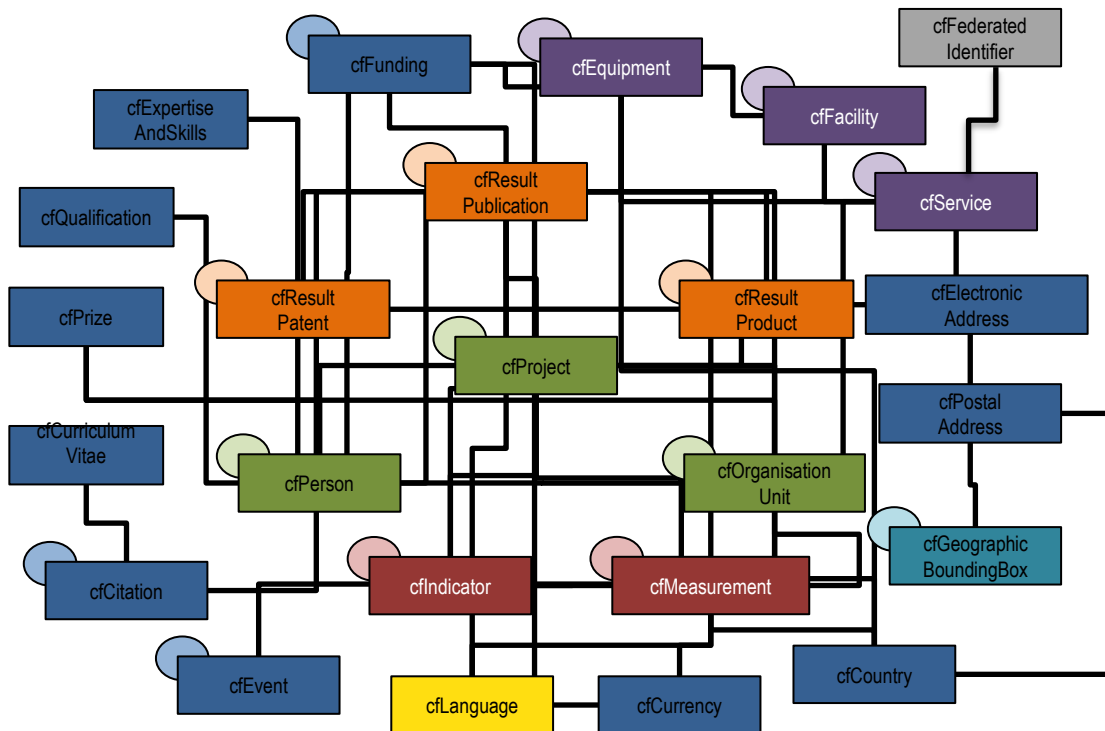


CERIF Tutorial



Dragan Ivanović

May 19th, 2026

CRIS 2026, Azores, Portugal

*This deck of slides is based on the CERIF Tutorial by **Brigitte Jörg**, CERIF TG Leader 2004–2012, and contains slides by **Jan Dvořák**, CERIF TG Leader 2013–2025, and **Valérie Brasse**, euroCRIS Executive for projects 2011–2015.*

Dragan Ivanović

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euroCRIS

- CERIF TG Deputy Leader since 2020
- euroCRIS Board member since 2023

University of Novi Sad, Faculty of Technical Sciences

- Researcher & Lecturer & Research software engineer

Lyrasis

- VIVO tech lead since 2021

RESEARCH INFORMATION

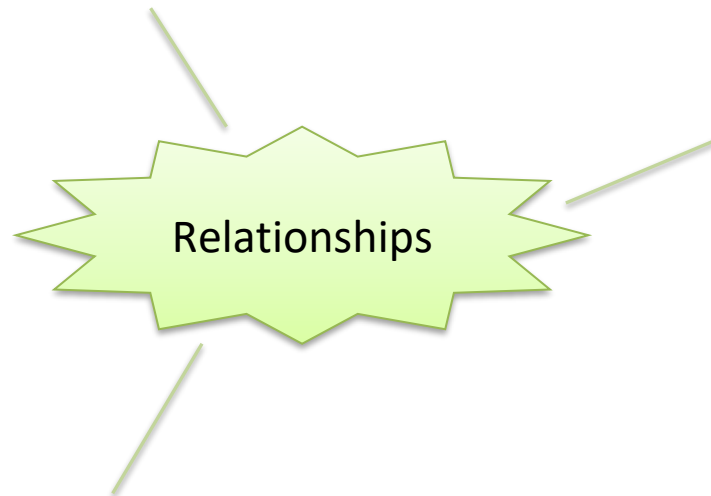
Research Information

The process of research

- Research projects
- Funding
- Research infrastructures

The research actors

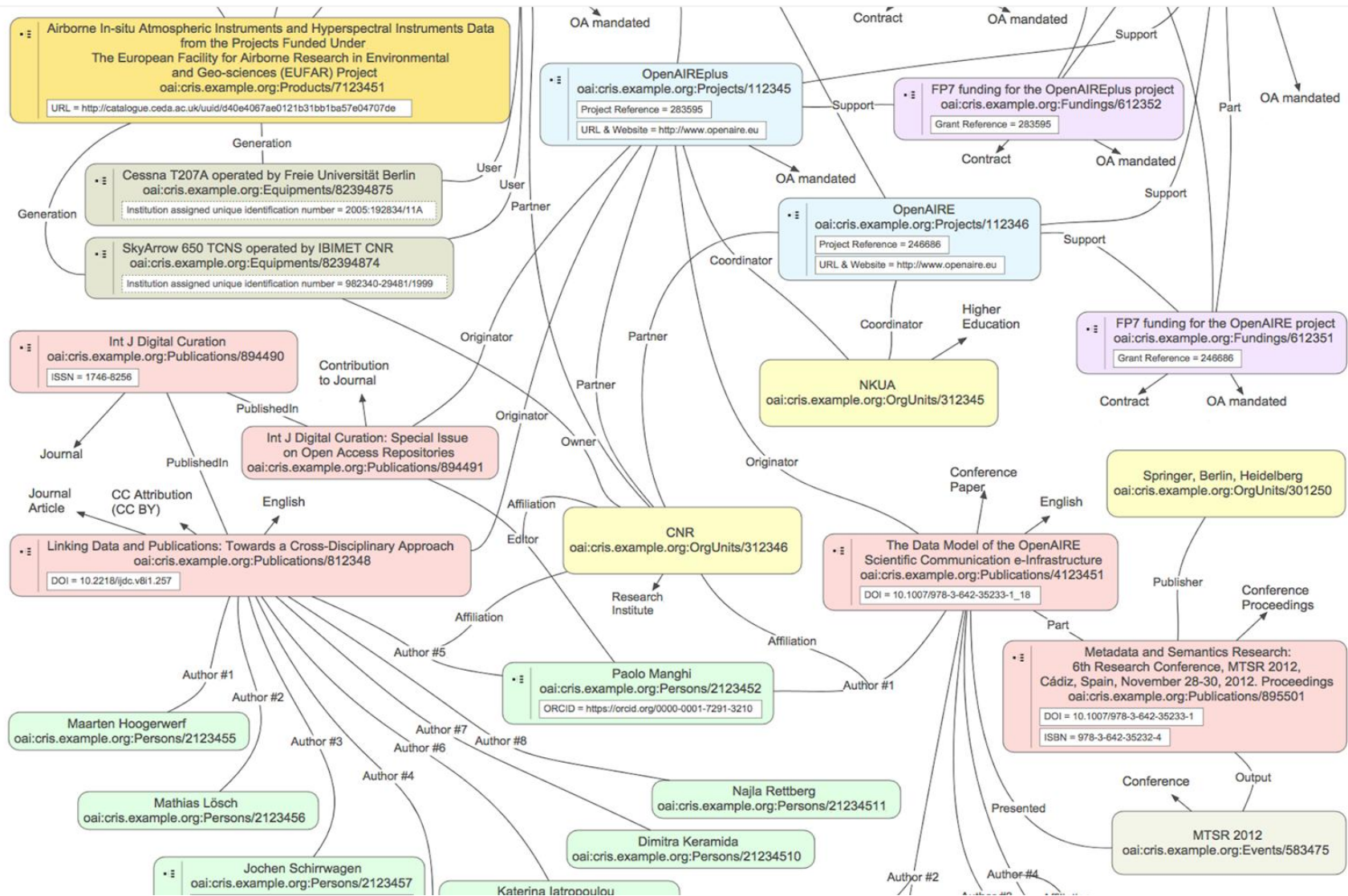
- Researchers
- Institutions
- Funders
- Publishers
- Facility operators
- Associations



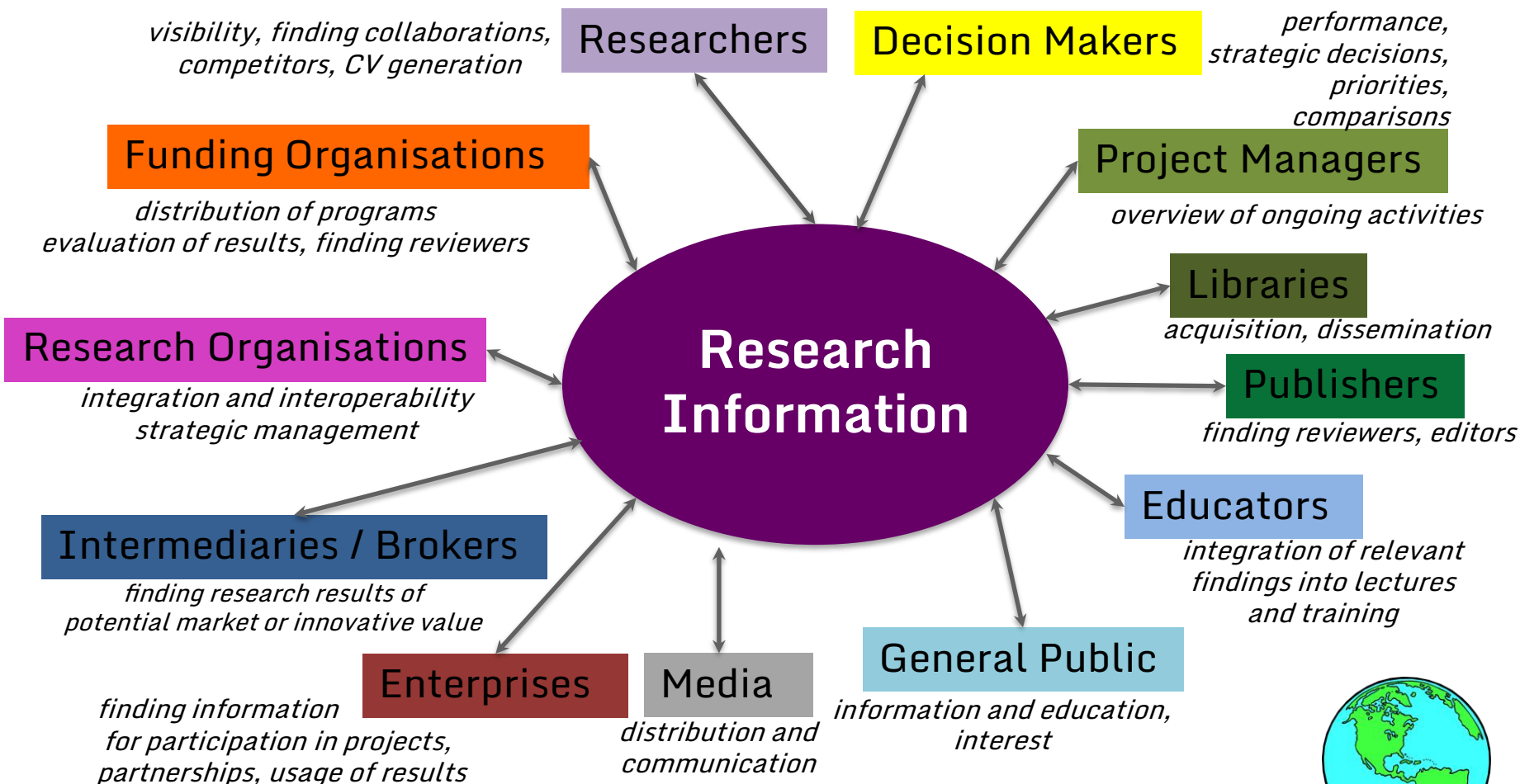
Research results

- Outputs (Publications, Research Datasets, Patents, ...)
- Outcomes, Impacts

Research Information is heavily interlinked



Who needs Research Information?



Different viewpoints on Research Information

Information perspective	Useful for
Researcher , his/her activities, results, ...	Researcher profile / CV system
Research Project , its consortium, team, funding, results, ...	Project webpage / report
Organisational Unit , its activities, results, ...	Unit webpage / report / evaluation report
Publication	Bibliometrics / panel evaluations
Research Facility	Tracking & reporting usage

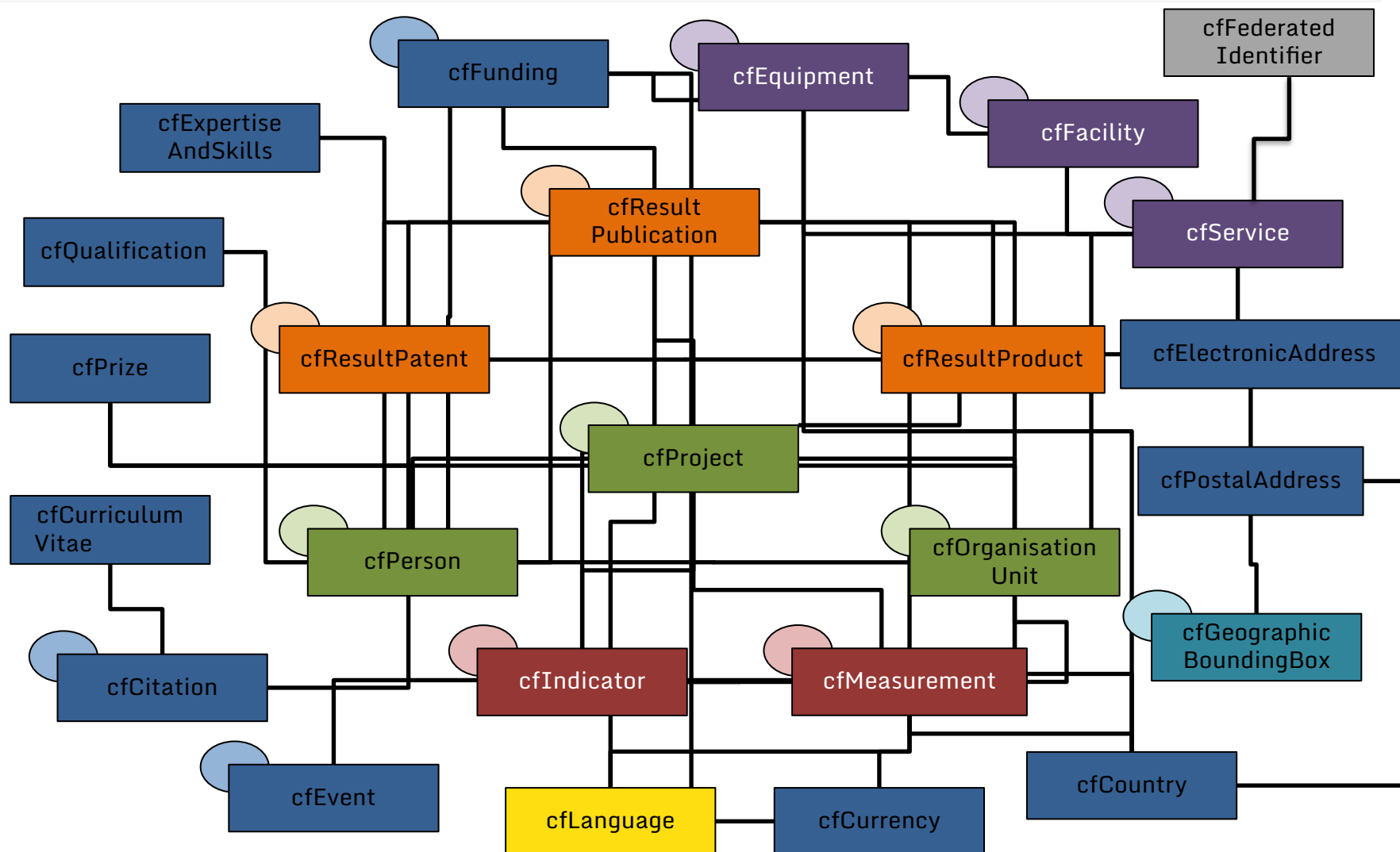
Common European Research Information Format

- CERIF is an EU Recommendation to Member States
- The European Commission (EC) has authorised euroCRIS to maintain and develop CERIF and its usage
 - By the CERIF Task Group of euroCRIS
 - GitHub repository

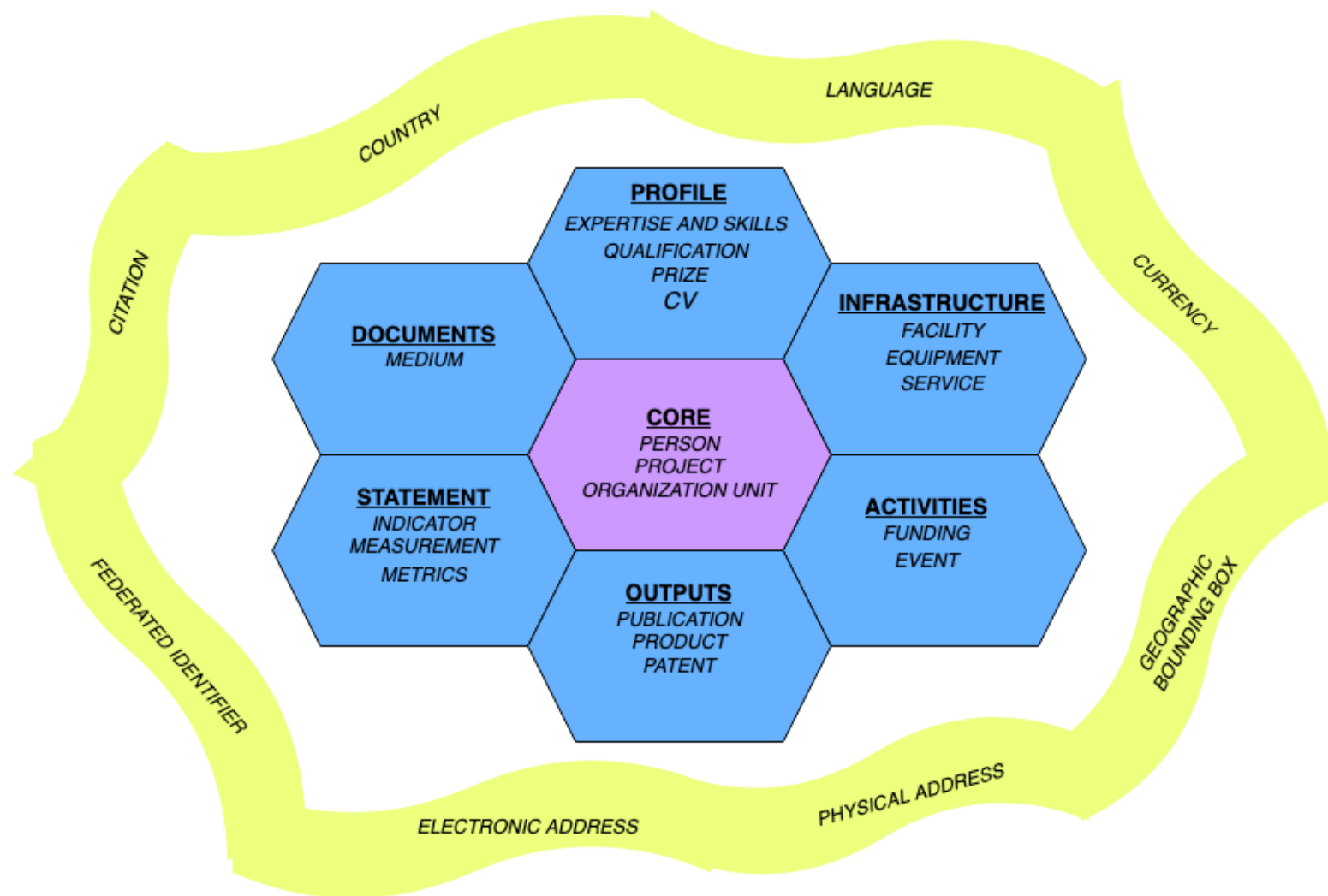
Current Research Information System

- Ongoing
- Past, of current interest
- Currently planned or decided upon

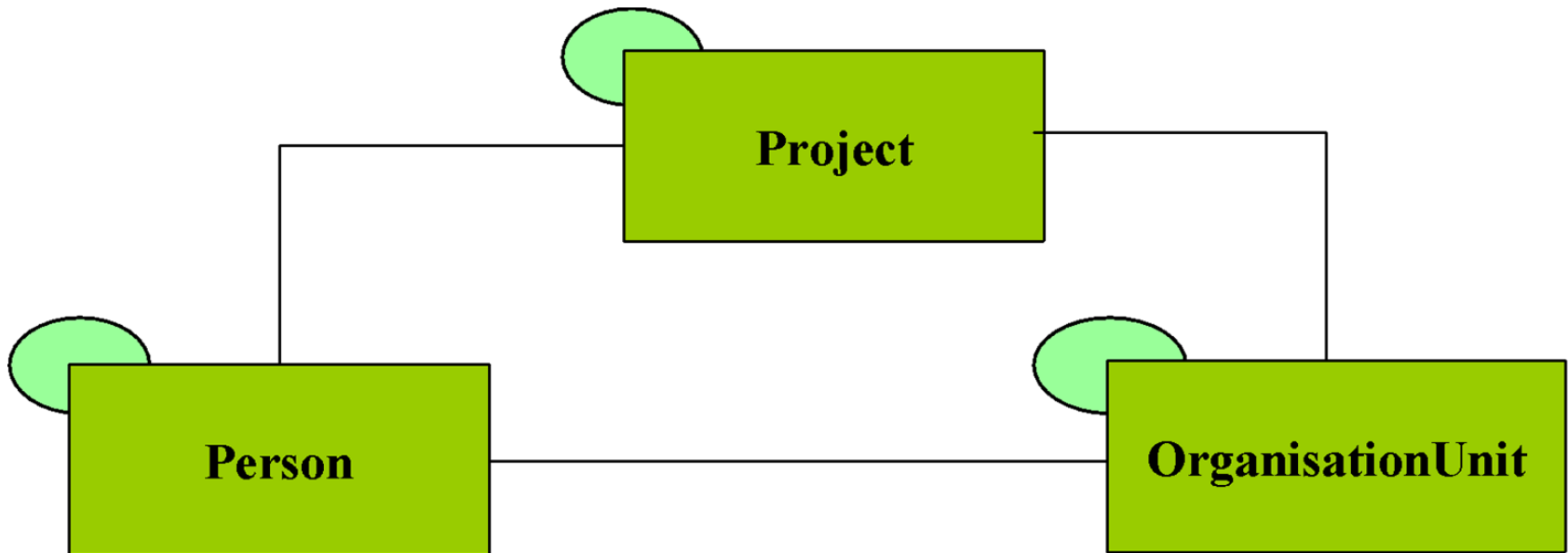
Common European Research Information Format



Common European Research Information Format



CERIF Base Entities



Project definition

A temporary endeavor undertaken to create a unique product, service or result.

Source: the Project Management Institute, <https://www.pmi.org/about/learn-about-pmi/what-is-project-management>

In the research information domain, one typically tracks:

- (1) **research** projects, where the result is an addition to the body of knowledge of the mankind,
- (2) technology **development** projects, where the result is a particular technology or product,
- (3) **innovation** projects, where the result is an improvement of a product or process, and
- (4) projects that **create or enhance infrastructure** for research, technology development or innovation.

Depending on the scope one can also track finer levels of granularity: stages, work packages, sometimes even down to individual tasks. All such activities are also modelled using the Project entity and linked using the recursive link relationship.

The Project entity only captures details of the project scope and plan. Information about the resources needed to execute the project such as the funding (i.e., the grants received), the people and organisations involved, the supporting infrastructures, the outputs produced, etc. is contained in separate entities (the Funding entity, the Person entity, the OrgUnit entity, the infrastructure entities, the result entities respectively) and is linked to the Project.

Person definition

A human being as an individual.

Source: <https://en.oxforddictionaries.com/definition/person>

The kind of involvement of a Person in the research ecosystem is specified in the links with the organisations, the services, etc. This typically includes:

- (1) **researchers** (Persons performing research in an Organisation Unit as employees or students);
- (2) **authors** and **contributors** (Persons signing a publication, creators of data sets, software developers, etc.);
- (3) **investigators** and project **participants** (Persons involved in a Project as principal investigators, co investigators, project managers, consultants, etc.);
- (4) **management** (directors, rectors, deans, department heads, etc.);
- (5) **support** staffs (technicians, responsible for Equipment, librarians and digital asset curators, administrative staff, etc.).

One Person typically has many of these relationships.

OrgUnit definition

Organisation Unit: an organisation, a unit therein, a committee or any other group of people that has a collective goal. Organisation Units are not necessarily formalized as legal entities.

In the research information domain Organisation Units typically represents:

- (1) organisations that **perform research** (universities, research institutes, corporations) and their subdivisions (faculties, schools, departments, research groups) and other associated bodies (boards, advisory bodies);
- (2) organisations that **fund research** (funders, their divisions and evaluation panels);
- (3) scientific **associations and networks**;
- (4) **publishers**, facility **operators** and other **service providers** in the research space;
- (5) **authorities**, such as patent offices and standardization or supervision bodies; and
- (6) other bodies: editorial **boards**, evaluation **panels**, or **committees** of all kinds.

Project webpage

A code (identifier), for ex a Grant number

A name or title

A (planned) start date

A (planned) end date or duration

[A source of funding]

A short or long description (abstract)

[A few scientific publications]

[A project coordinator]

[A research domain]

A web page (URI)

Source: http://cordis.europa.eu/project/rcn/106635_en.html

An acronym


SEQSEL
 Project reference: 317697
 Funded under: [FP7-PEOPLE](#)

Global cooperation to develop next generation whole genome SEQUENCE SElection tools for novel traits  

From 2012-05-01 to 2016-04-30, ongoing project

Project details	
Total cost: EUR 126 000	Topic(s): • FP7-PEOPLE-2012-IRSES - Marie Curie Action "International Research Staff Exchange Scheme"
EU contribution: EUR 126 000	Call for proposal: FP7-PEOPLE-2012-IRSES
Coordinated in: Ireland	Funding scheme: MC-IRSES - International research staff exchange scheme (IRSES)

Objective

"The objective of this project, SEQSEL, is to build upon, solidify, formalise and condense the recently initiated, but as yet informal, relationships between several world-leading research partners in the EU (Ireland, The UK, and the Netherlands) and Oceania (i.e., Australia and New Zealand) in order to conduct joint research and participate in knowledge exchange and to identify regions of the bovine genome associated with feed intake and efficiency. The study will be undertaken in dairy cattle..."

Related information

Result In Brief

- [Mining the genome of dairy cattle](#)

Report Summaries

- [Periodic Report Summary 1 - SEQSEL \(Global cooperation to develop next generation whole genome SEQUENCE SElection tools for novel traits\)](#)

Open Access

via 

- [Imputation of genotypes from low density \(50,000 markers\) to high density \(700,000 markers\) of cows from research herds in Europe, North America, and Australasia using 2 reference populations](#)
 Pryce, J. E.; Johnston, J.; Hayes, B. J.; Sahana, G.; Weigel, K. A.; Mcparland, S.; Spurlock, D.; Krattenmacher, N.; Spelman, R. J.; Wall, E.; Calus, M. P. L.
 2014

Coordinator

TEAGASC - AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY Ireland 

Participants

THE SCOTTISH AGRICULTURAL COLLEGE United Kingdom 

STICHTING DIENST LANDBOUWKUNDIG ONDERZOEK Netherlands 

Subjects

[Life Sciences](#)

[Home](#)
[About this system](#)
[Case Studies](#)
[Contact us](#)



RESEARCH COUNCILS UK

Gateway to Research



Innovate UK
Technology Strategy Board

A name or title

Social Media Analysis for Social Geography

Lead Research Organisation: [Newcastle University](#)

Department Name: Computing Sciences

[Go back](#)

[A project coordinator]

[A source of funding]

Overview Organisations People Outcomes

A short or long description (abstract)

Abstract

Many believe that social media data has the potential to give real insights into communities. However, there is a real challenge in unlocking this knowledge due to the enormous size and speed with which the data is generated, and a lack of understanding of issues such as ethics and the validity of conclusions drawn from the skewed sample of the population that social media users represent.

"Tweet My Street" is tackling these problems with the overall goal of understanding how the knowledge gained can benefit socially excluded communities. It is a multi-disciplinary collaboration involving social geographers, computer scientists and statisticians, which aims to:

- design a scalable system for social media data analysis
- create a tool that makes it easy for social scientists to ask questions and visualise results
- explore the use of modern statistical techniques to derive understanding from the data
- drive and evaluate the system through case studies, including the use of the new tools to augment existing social science methods, and to understand the way third sector organisations can make effective use of social media
- explore how the use of the tools can help the private and public sector to make key decisions.

A (planned) start date

A (planned) end date or duration

A code (identifier), for ex a Grant number

[A research domain]

A few keywords

Funded Value: £449,388

Funded Period: Feb 14 - Feb 16

Funder: ESRC

Project Status: Active

Project Category: Research Grant

Project Reference: ES/M001636/1

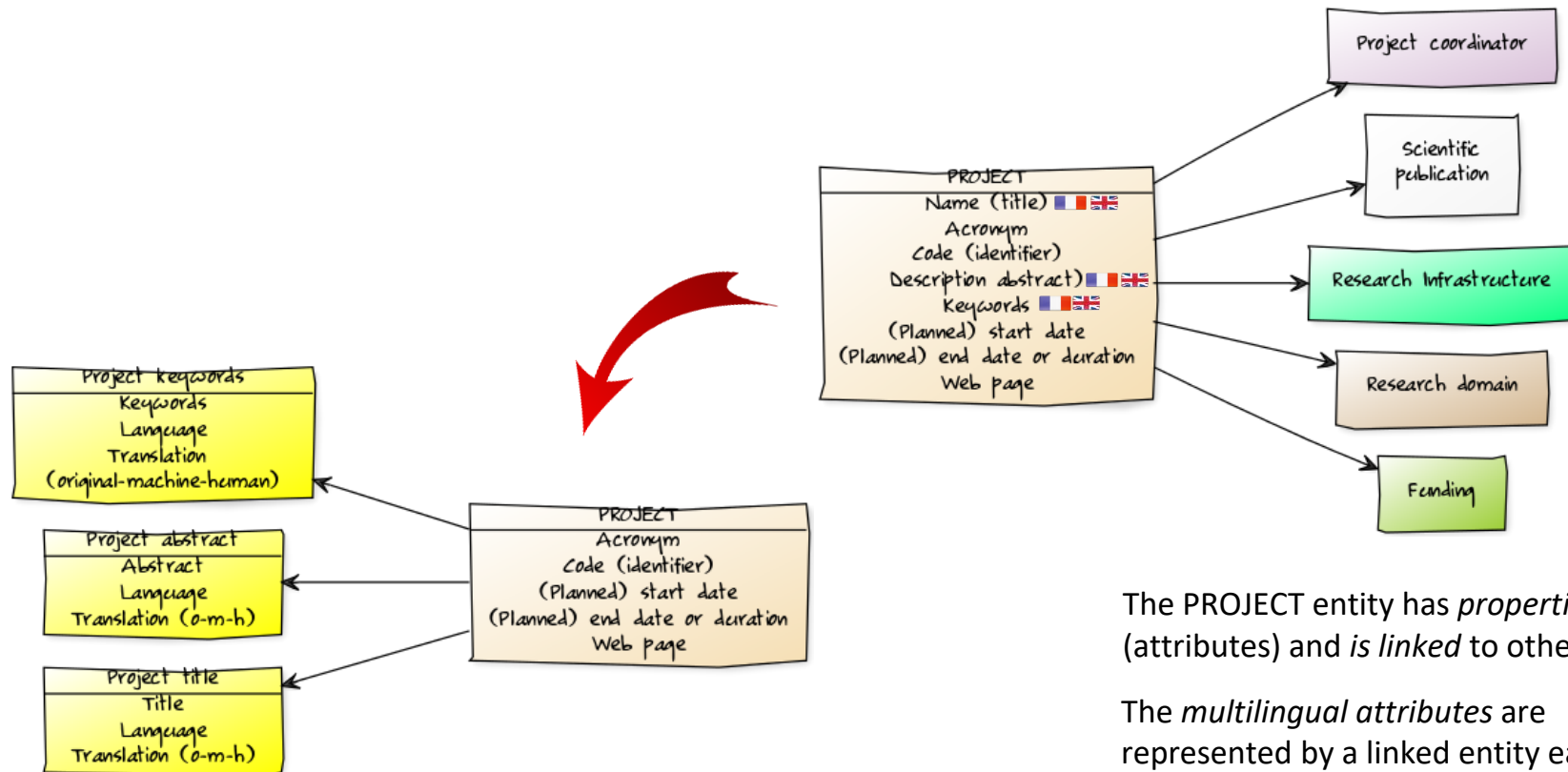
Principal Investigator: [Paul Watson](#)

Research Subject: Human Geography

Research Topic: Social Geography
Urban Geography

Source: <http://gtr.rcuk.ac.uk/project/A49CA721-687A-4D55-8FDF-9B60375B6EA8>

Metadata for a Research Project



The PROJECT entity has *properties* (attributes) and *is linked* to other entities.

The *multilingual attributes* are represented by a linked entity each.

* "start date" and "end date" are deprecated in v1.6

Metadata for a Research Project

CERIF naming rule: in English, abbreviated, starting with *cf*

Example: Project title = *cfProjTitle*

cfProjKeyw			
cfProjId	ID	NN (PFK)	
cfLangCode	Char(5 BYTE)	NN (PFK)	
cfTrans	NChar(1)	NN (PK)	
cfKeyw	Char(255 BYTE)	NN	

cfPrjAbstr			
cfProjId	ID	NN (PFK)	
cfLangCode	Char(5 BYTE)	NN (PFK)	
cfTrans	NChar(1)	NN (PK)	
cfAbstr	NClob	NN	

cfPrjTitle			
cfProjId	ID	NN (PFK)	
cfLangCode	Char(5 BYTE)	NN (PFK)	
cfTrans	NChar(1)	NN (PK)	
cfTitle	Char(255 BYTE)	NN	

Project keywords
Keywords
Language
Translation (original-machine-human)

Project abstract
Abstract
Language
Translation (o-m-h)

Project title
Title
Language
Translation (o-m-h)

PROJECT
Acronym
Code (identifier)
(Planned) start date
(Planned) end date or duration
Web page

cfPrj			
cfProjId	ID	NN (PK)	
cfStartDate	Date		
cfEndDate	Date		
cfAcro	Char(16 BYTE)		
cfURI	Char(128 BYTE)		

Example in DB

CERIF Project example database record			
Data	Attribute	Table	Type
project-ist-world*	cfProjId	cfProj	base
IST World	cfAcro	cfProj	base
http://www.ist-world.org/	cfURI	cfProj	base
2005-04-01	cfStartDate	cfProj	base
2007-11-30	cfEndDate	cfProj	base
Knowledge Base for RTD Competencies in IST	cfTitle	cfProjTitle	lang[en,o]
Wissensbasis für RTD Kompetenzen im Bereich IST	cfTitle	cfProjTitle	lang[de,h]
IST, Research Information, NMS, Portal,	cfKeyw	cfProjKeyw	lang
The objective of the project is to set up and populate an information portal with innovative functionalities ...	cfAbstr	cfProjAbstr	lang

cfProj

cfProjId (PK)	cfAcro	cfURI	cfStartDate	cfEndDate
project-ist-world	IST World	http://...	2005-04-01	2007-11-30

cfProjTitle, PK = cfProjID + cfLangCode + cfTrans

cfProjID (FK)	cfLangCode	cfTrans	cfTitle
project-ist-world	EN	O	Knowledge Base for RTD Competencies in IST
project-ist-world	DE	H	Wissensbasis für RTD Kompetenzen im Bereich IST

cfProjKeyw, PK = cfProjID + cfLangCode + cfTrans

cfProjID (FK)	cfLangCode	cfTrans	cfKeyw
project-ist-world	EN	O	IST, Research Information, NMS, Portal

cfProjAbstr, PK = cfProjID + cfLangCode + cfTrans

cfProjID (FK)	cfLangCode	cfTrans	cfAbstr
project-ist-world	EN	O	The objective of the project is to set...

Source: http://www.eurocris.org/Uploads/Web%20pages/CERIF-1.3/Specifications/CERIF1.3_FDM.pdf

We have seen how to represent, store or exchange metadata about research projects.

Similarly:

- What characterises a person (researcher, Ph.D.,...)?
- What characterises an organisation (research laboratory, institute,...)?

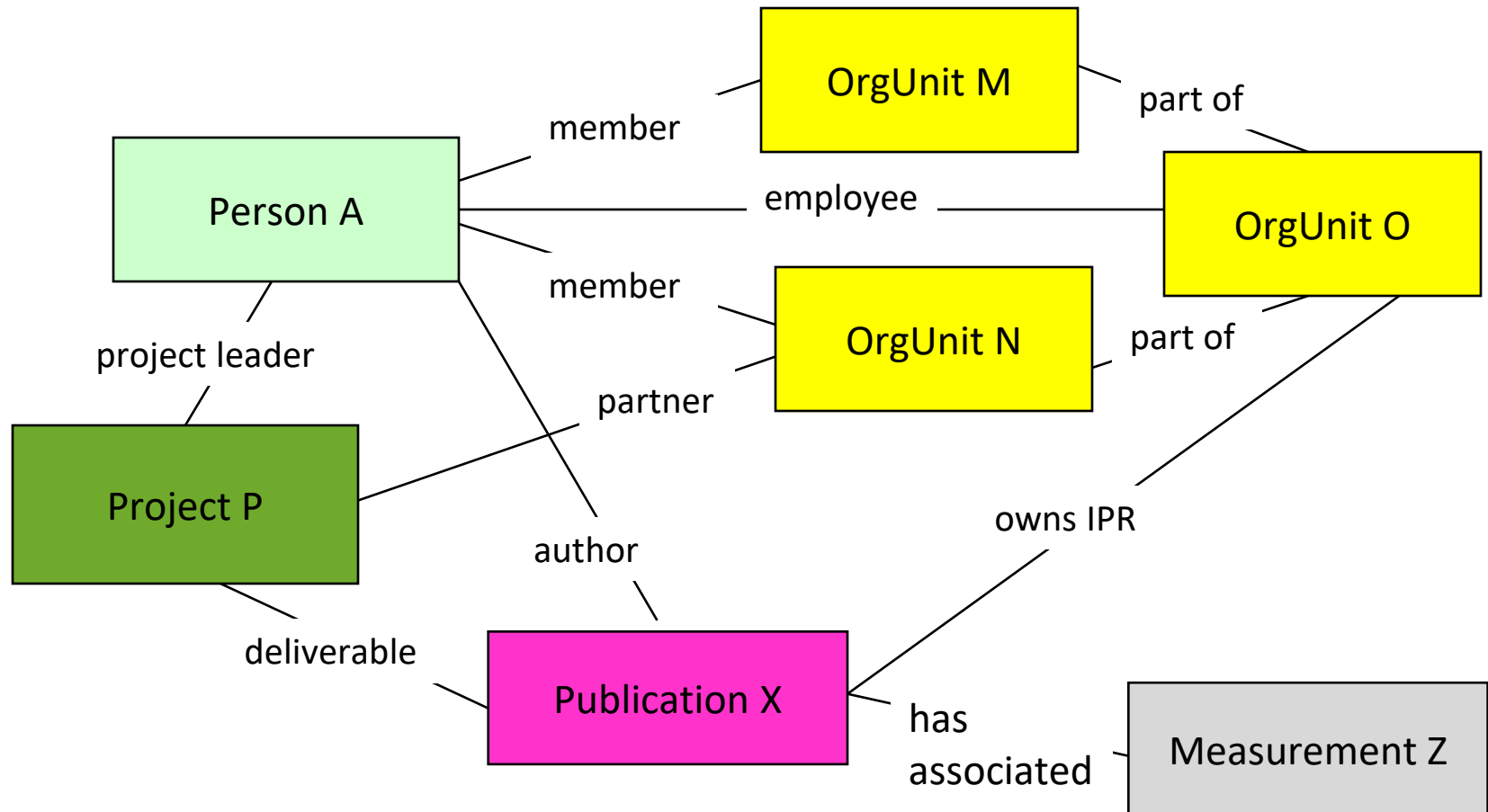


CERIF General Pattern

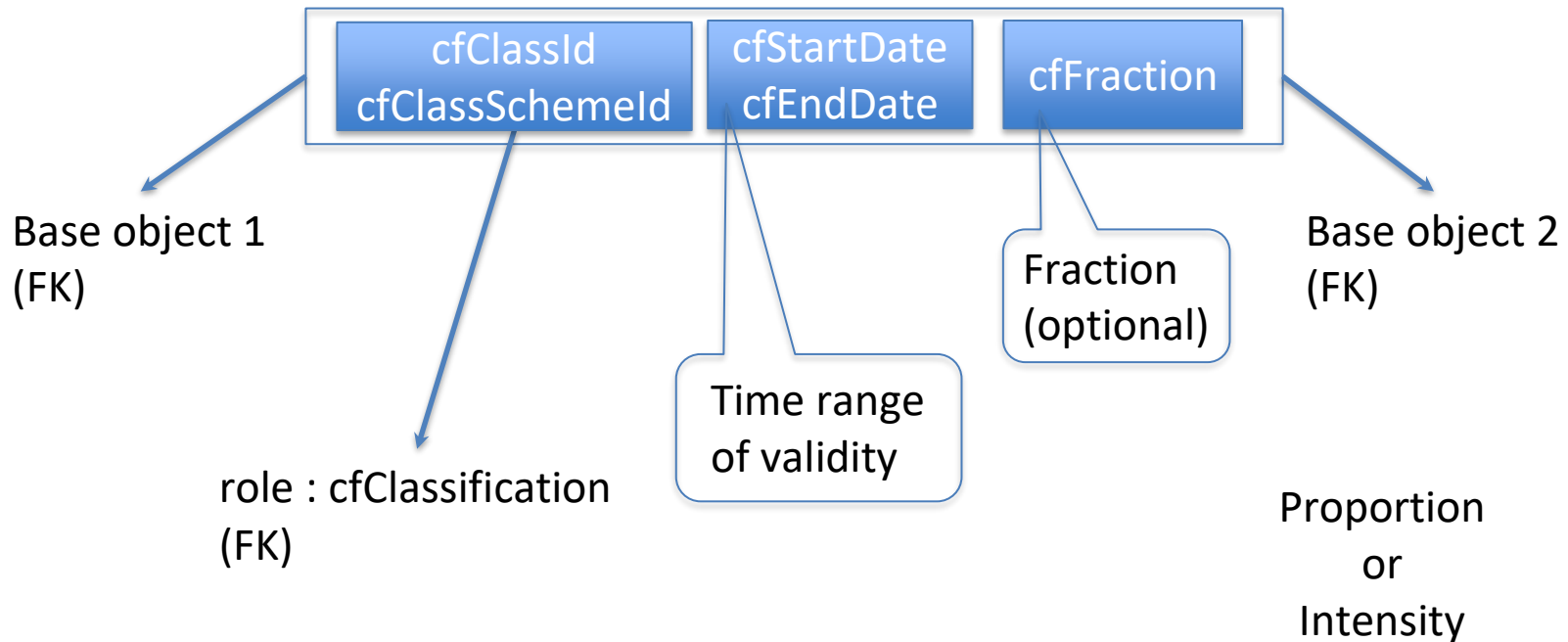
A typical CERIF entity has:

- Identifier (internal)
- Attributes
 - the basic ones
 - the multi-lingual ones
- Links
 - to other entities
 - recursive, a.k.a. self-referential
- External Identifiers
- Classifications (semantic layer)
 - Type
 - Status
 - Subject area
 - + other

CERIF link entities (slide by Keith Jeffery)



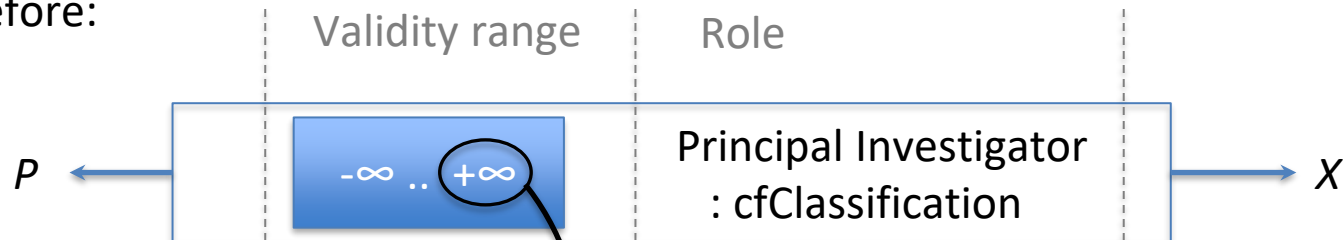
Generic Linking Entity Structure



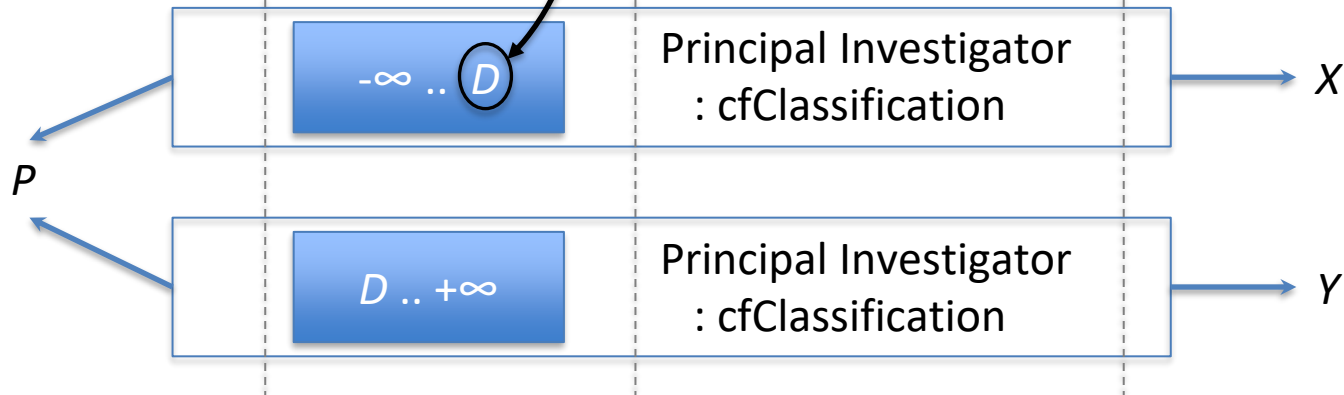
Recording Change in CERIF

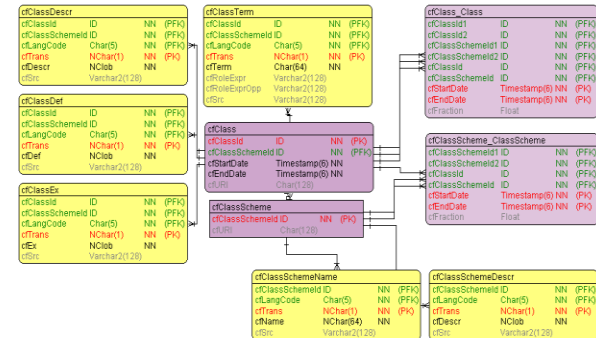
Example: The Principal Investigator of project P changes: X is replaced by Y effective date D .

Before:

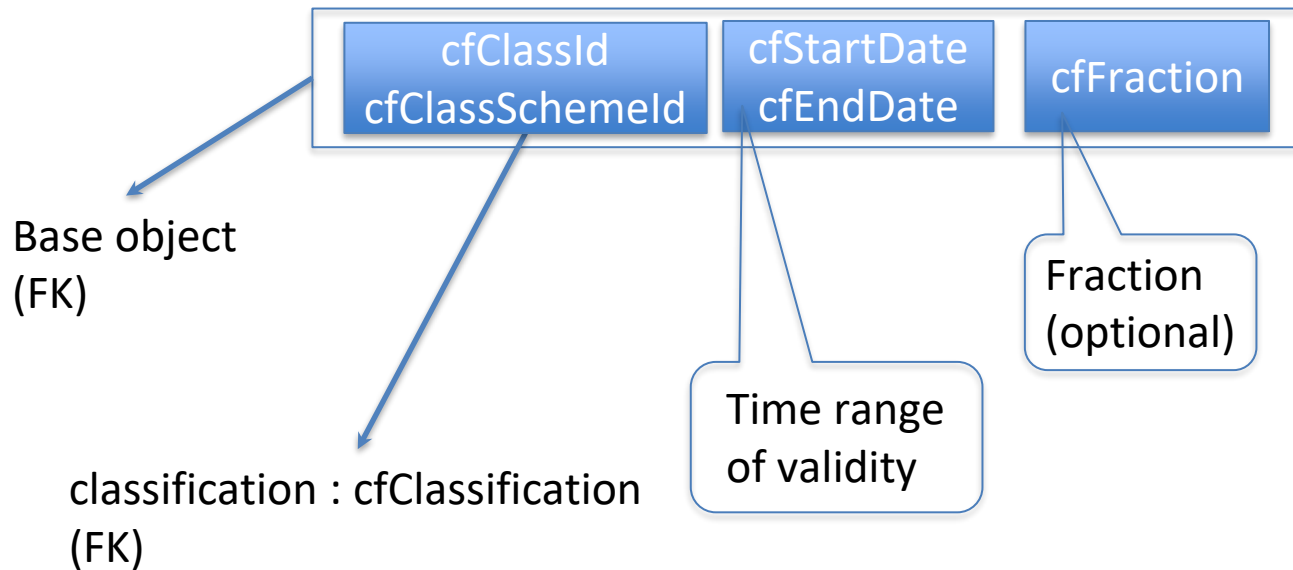


After:





Generic Classification Link Structure



Any aspect that can be expressed by a controlled vocabulary:

- Type
- Status
- Subject area
- License
- ...

CERIF Federated Identifiers

- Records the “tag” by which an object is known elsewhere
- For any CERIF research entity
- “Identifier Types” classification scheme
- (optionally) Connects to a Service representing the issuer of the identifier
 - Usually an information system

CERIF Federated Identifiers: Examples

Publication

- DOI
- PubMed Central ID
- WoS UT, Scopus EID
- ISBN, ISSN

Person

- ORCID iD
- ISNI
- ResearcherID, Scopus Author ID
- IdRef, DAI, Número Lattes
- Social Security Number or another administrative identifier
- Staff Id in an HR system

Project/Grant

- Funder's reference number
- Organisation's reference number

Organisation

- ROR ID
- FundRefID
- Wikidata reference
- ISNI
- RingGold number
- Org Enhanced (WoS)
- VAT Identification Number or another administrative identifier

Classifications: External Codes

CERIF PROFILES

Interoperability

1. Agreed Semantics
2. Agreed Format
3. Agreed Protocol

CERIF-XML exchange formats (based on XML Schema)

Original

1:1 with the ER structure

Only uses embedding for multilingual texts

→ Many foreign key relationships

→ Takes several API requests to get a presentable form of an object

2nd Generation

Template XML Schema → adaptation

Profiles: Useful subsets of CERIF for specific research information exchange scenarios

1. Specify a subset of CERIF entities & attributes
2. Fix semantic vocabularies to use
3. Add integrity constraints

Ex.: OpenAIRE Guidelines for CRIS Managers 1.0.

DOI [10.5281/zenodo.17065](https://doi.org/10.5281/zenodo.17065)

Ex.: OpenAIRE Guidelines for CRIS Managers 1.1.

DOI [10.5281/zenodo.1298649](https://doi.org/10.5281/zenodo.1298649)

CERIF Profiles

Useful subsets of CERIF
for specific research information
interchange scenarios

- Entities & attributes:
 - Profile $\subset$ CERIF
- Semantic vocabularies:
 - Profile – specific choices
 - Sources: CERIF & beyond
- Integrity constraints:
 - Profile $\supset$ CERIF

Profile data is
CERIF

CERIF Profiles

Producers know
what to include



Consumers know
what to expect

OpenAIRE Guidelines for CRIS Managers 1.2

- Dvořák, Jan, Andreas Czerniak, & Dragan Ivanović. (2023). OpenAIRE Guidelines for CRIS Managers 1.2 (Version 1.2.0). Zenodo. DOI [10.5281/zenodo.8050936](https://doi.org/10.5281/zenodo.8050936)
- Document on the web <https://openaire-guidelines-for-cris-managers.readthedocs.io/en/latest/index.html>
 - Introduction
 - CRIS Information elements relevant for OpenAIRE
 - CERIF, CERIF XML
 - Technical implementation guidelines
 - CERIF XML as payload of OAI-PMH 2.0

Version 1.2: Aligned vocabularies

- COAR Resource Types (v. 3.1)
- COAR Access Rights
- ISSN Media List

OpenAIRE Guidelines for CRIS Managers
latest

Search docs

Introduction

CRIS information elements relevant for OpenAIRE

Publication

- Internal Identifier
- Type
- Language
- Title
- Subtitle
- PublishedIn
- PartOf
- PublicationDate
- Number
- Volume
- Issue
- Edition

Read the Docs v: latest

Type

Description: The type of the publication

Use: mandatory (1)

Representation: XML element `Type` from namespace https://www.openaire.eu/cerif-profile/vocab/COAR_Publication_Types

CERIF: the ResultPublication_Classification (https://w3id.org/cerif/model#ResultPublication_Classification)

Vocabulary: Publication types extracted from the COAR Resource Types concept scheme: Types of publications as extracted from the COAR Resource Types concept scheme (http://vocabularies.coar-repositories.org/documentation/resource_types/), the term 'text' and its descendants in the hierarchy except 'patent'.

- **text** (http://purl.org/coar/resource_type/c_18cf): A resource consisting primarily of words for reading. Examples include books, letters, dissertations, poems, newspapers, articles, archives of mailing lists. Note that facsimiles or images of texts are still of the genre Text.
- **annotation** (http://purl.org/coar/resource_type/c_1162): An annotation in the sense of a legal note is a legally explanatory comment on a decision handed down by a court or arbitral tribunal.
- **bibliography** (http://purl.org/coar/resource_type/c_86bc): A systematic list or enumeration of written works by a specific author or on a given subject.
- **book** (http://purl.org/coar/resource_type/c_2f33): A non-serial publication that is complete in one volume or a designated finite number of volumes. (adapted from CITO; EPrint Type vocabulary)

Information scope of the OpenAIRE Guidelines for CRIS Managers 1.2

The Core:

- The CRIS as a Service
- Organisations
- Researchers

Activities:

- Projects
- Funding
- Events

Outputs:

- Publications
- Datasets, Software & other Products
- Patents

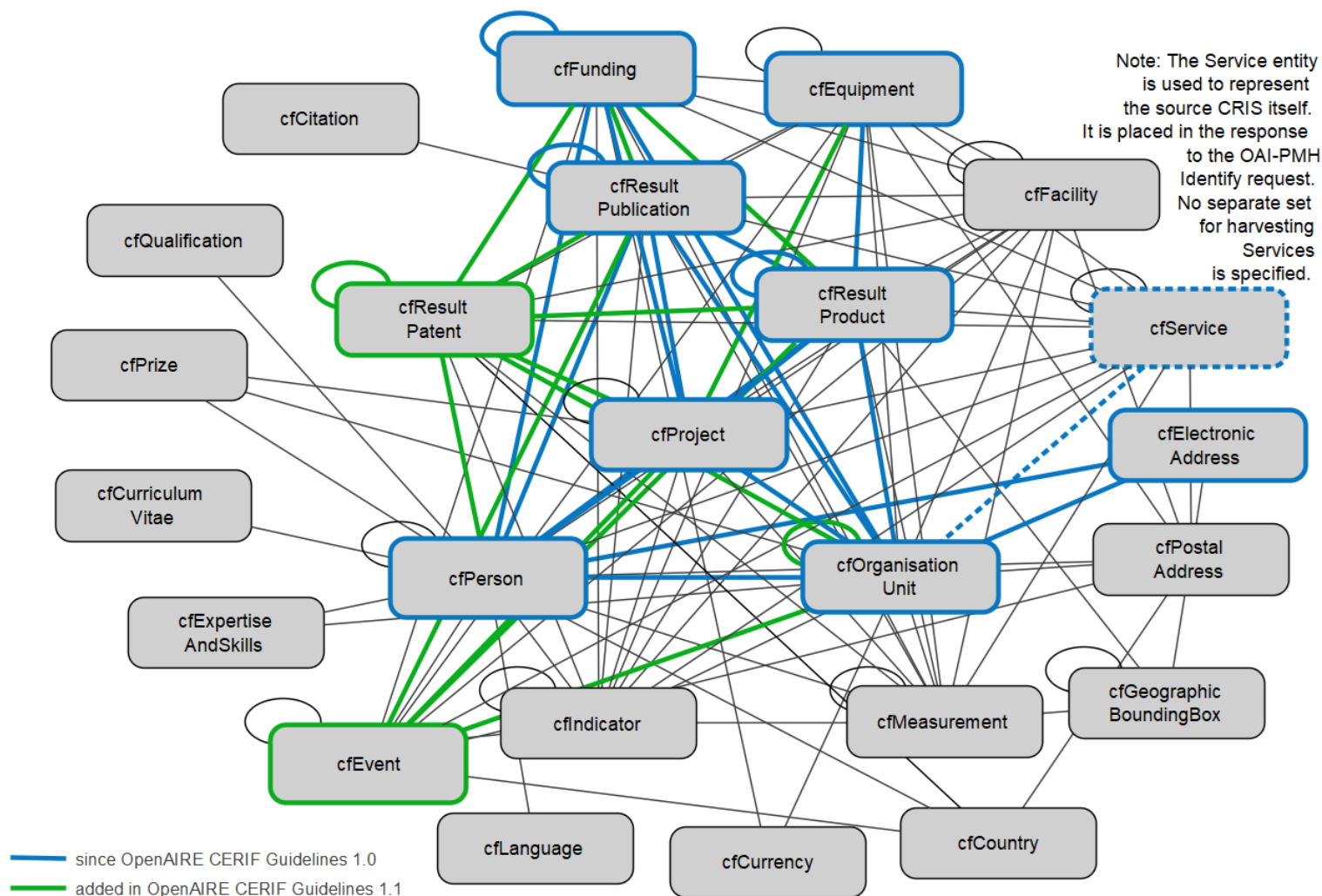
Infrastructure:

- Equipment

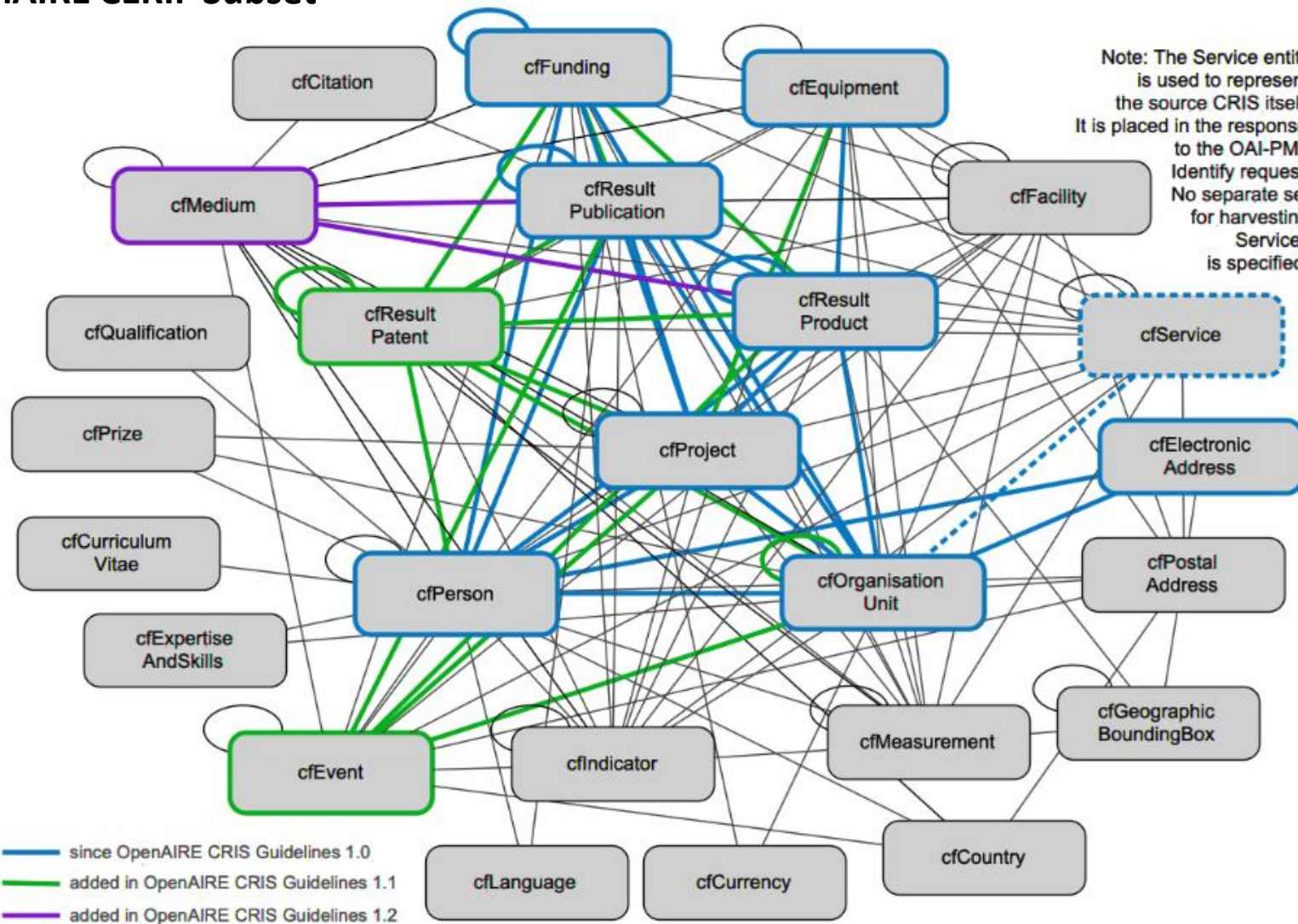
Two non top entities:

- Medium
- Electronic Address

OpenAIRE CERIF Subset



OpenAIRE CERIF Subset



Note: The Medium and the ElectronicAddress entities are not supported as top-level entities, no OAI-PMH sets are defined for them. They also do not expose their internal identifiers .

Identifiers

- Publication:
 - DOI
 - Handle
 - PMCID
 - ISI Number (WoS Accession Number)
 - SCP Number
 - ISSN
 - ISBN
 - URL
 - URN
 - ZDB-ID
 - Persons:
 - ORCID iD
 - ISNI
 - ResearcherID
 - Scopus Author ID
 - Funding:
 - GrantDOI
 - Products:
 - DOI
 - ARK
 - Handle
 - URL
 - URN
- Plus a generic option

Supporting artifacts

- XML Schema
 - Namespace
 - <https://www.openaire.eu/cerif-profile/1.2/>
 - A few Schematron integrity rules embedded
- A comprehensive set of examples
- Prototype validator

```
<Publication xmlns="https://www.openaire.eu/cerif-profile/1.2/" id="Publications/852734">
<!-- Linking Data and Publications: Towards a Cross-Disciplinary Approach -->
  <Type xmlns="https://www.openaire.eu/cerif-profile/vocab/COAR_Publication_Types">
    http://purl.org/coar/resource_type/c_6501<!-- journal article --></Type>
  <Title xml:lang="en">Strong selection against hybrids maintains a narrow contact zone between morphologically cryptic
    lineages in a rainforest lizard</Title>
  <PublishedIn>
    <Publication id="Publications/893204"><!-- Evolution -->
      <Type xmlns="https://www.openaire.eu/cerif-profile/vocab/COAR_Publication_Types">
        http://purl.org/coar/resource_type/c_0640<!-- journal --></Type>
        <Title xml:lang="en">Evolution</Title>
        <ISSN>1558-5646</ISSN>
        <Publishers>
          <!-- [ ... ] -->
        </Publishers>
      </Publication>
    </PublishedIn>
    <Volume>66</Volume>
    <Issue>5</Issue>
    <StartPage>1474</StartPage>
    <EndPage>1489</EndPage>
    <DOI>10.1111/J.1558-5646.2011.01539.X</DOI>
    <!-- [ ... ] -->
  </Publication>
```

```
<Publication xmlns="https://www.openaire.eu/cerif-profile/1.1/" id="852734">
  <!-- [ ... ] -->
  <Authors>
    <Author>
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        <PersonName>
          <FamilyNames>Singhal</FamilyNames>
          <FirstNames>Sonal</FirstNames>
        </PersonName>
      </Person>
      <Affiliation>
        <OrgUnit id="301248">
          <Name xml:lang="en">Museum of Vertebrate Zoology</Name>
          <PartOf>
            <OrgUnit id="329384">
              <Name xml:lang="en">University of
California, Berkeley</Name>
            </OrgUnit>
          </PartOf>
        </OrgUnit>
      </Affiliation> <!-- [ ... ] -->
    </Author> <!-- [ ... ] -->
  </Authors>
  <!-- [ ... ] -->
</Publication>
```

```
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  <!-- [ ... ] -->
  <Keyword xml:lang="en">hybrid zones</Keyword>
  <Keyword xml:lang="en">phylogeography</Keyword>
  <Abstract xml:lang="en">Phenotypically cryptic lineages comprise an important yet understudied part of
biodiversity; <!-- [...] --></Abstract>
  <References>
    <Product id="729487">
      <Type xmlns="https://www.openaire.eu/cerif-
profile/vocab/COAR_Product_Types">http://purl.org/coar/resource_type/c_ddb1<!-- dataset --></Type>
      <Name xml:lang="en">Data from: Strong selection against hybrids maintains a narrow
contact zone between morphologically cryptic lineages in a rainforest lizard</Name>
      <VersionInfo xml:lang="en">1</VersionInfo>
      <DOI>10.5061/DRYAD.4GH6HF5G</DOI>
      <!-- [...] -->
    </Product>
  </References>
</Publication>
```

CERIF REFACTORING (2.X)

CERIF Refactoring Goals

1. Keep the strong features of current CERIF
 - a. Multilinguality
2. Take away the perceived complexity of CERIF
 - a. Emphasize the conceptual model
 - b. Improve documentation
3. Modernize CERIF
 - a. Change the modeling notation
 - b. Adapt CERIF for usage in APIs and for Linked Open Data
 - c. Modern serialization formats
 - d. Allow for systematic provenance tracking and verifiable credentials
4. Involve the community in further development of CERIF
 - a. Modularity
 - b. Open source sw development practices

CERIF Refactoring Means

1. New modelling approach (and tool)
 - a. Improved documentation
 - b. Element addressability
2. Modularity ($\Rightarrow$ scalability of further CERIF development)
 - a. The Core and pluggable modules
 - b. Datatypes to represent reusable functional groups
 - c. Developed in a decentralized way
3. Modern serialization formats (with appropriate schema expressions)
 - a. JSON-LD (JSON Schema, SHACL) for APIs
 - b. RDF (RDF Schema, SHACL) for LOD
 - c. previously: XML (XML Schema, Schematron)

CERIF Core

Contains:

- common data types
- abstract entities
- commonly used entities
- common constructs

The basis for:

- Particular research information interchange scenarios
- Extensions in terms of coverage

A prototype CERIF Core repository at
<https://github.com/EuroCRIS/CERIF-Core>

The screenshot shows the GitHub interface for the repository **EuroCRIS / CERIF-Core**. The repository is public and has 2 stars and 1 fork. The main branch is selected. The repository description states: "The CERIF Refactoring Pilot project started in 2021 by euroCRIS." The repository contains several files and folders, including `.github/workflows`, `datatypes`, `diagrams`, `entities`, `examples`, `guidelines`, `serializations/RDF`, `tools`, and `README.md`. The `README.md` file is open, showing the title **CERIF Core** and the description: "CERIF (=Common European Research Information Format) covers the domain of research information with a focus on the administrative and organizational aspects. It aims to provide machine-processable". The contributors listed are `jdvorak001` (Jan Dvorak), `chenejac` (Dragan Ivanovic), and `actions-user`.

← → ↺ <https://github.com/EuroCRIS/CERIF-Core>

EuroCRIS / CERIF-Core Public Edit Pins Unwatch 4 Fork 1 Star 2

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main 2 branches 0 tags Go to file Add file Code

actions-user adding generated diag... d1e218d on Aug 26 350 commits

	<code>.github/workflows</code>	Update plantuml.yml	17 months ago
	<code>datatypes</code>	Aligning md files with example for UC1	5 months ago
	<code>diagrams</code>	adding generated diagrams	3 months ago
	<code>entities</code>	Add Person_Identifier as an entity	3 months ago
	<code>examples</code>	link correction	13 months ago
	<code>guidelines</code>	Let Attributes and Relationships sections ...	3 months ago
	<code>serializations/RDF</code>	Rename Affiliation Statement -> Affiliation	5 months ago
	<code>tools</code>	Correct the links to the parent entity	4 months ago
	<code>README.md</code>	Fix the links to entities	3 months ago

README.md

CERIF Core

CERIF (=Common European Research Information Format) covers the domain of research information with a focus on the administrative and organizational aspects. It aims to provide machine-processable

About

The CERIF Refactoring Pilot project started in 2021 by euroCRIS.

- Readme
- 2 stars
- 4 watching
- 1 fork

Releases

No releases published
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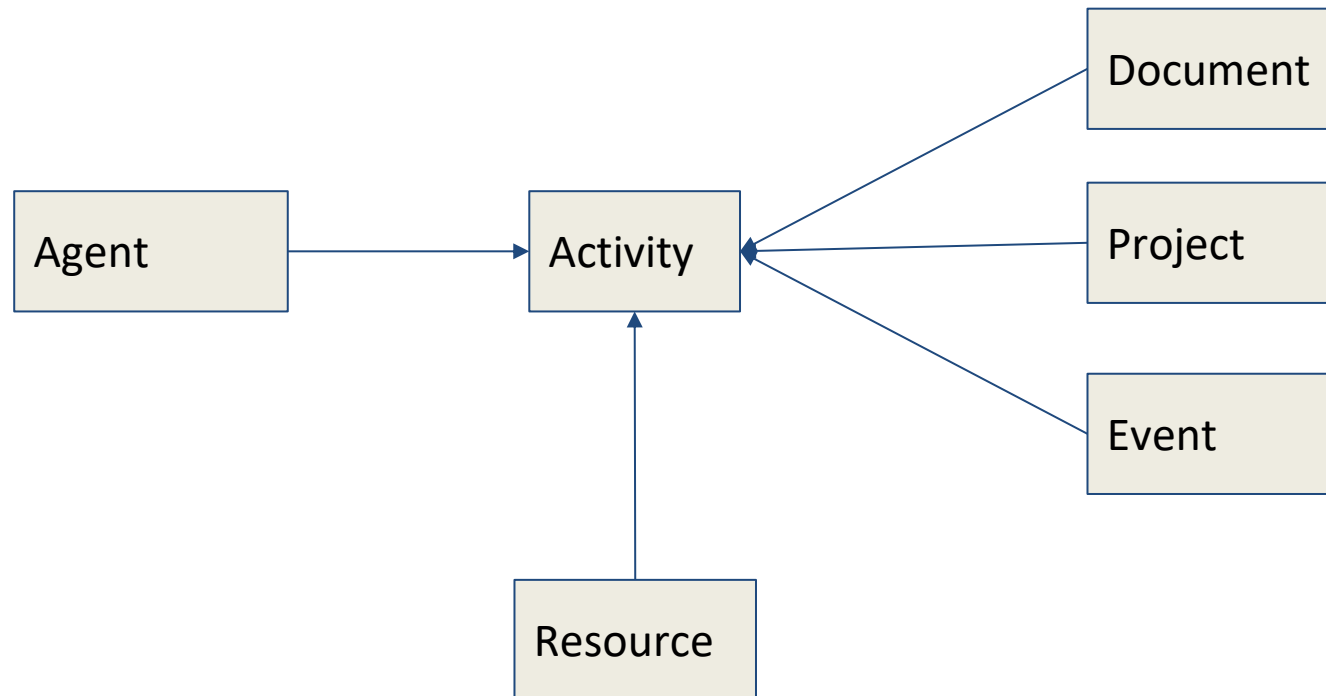
Packages

No packages published
[Publish your first package](#)

Contributors 3

- jdvorak001** Jan Dvorak
- chenejac** Dragan Ivanovic
- actions-user**

CERIF Core “View from the Top”



CERIF Modules

Add functionality

- E.g. the Scholarly publication module

Customize the model for a specific scenario

- E.g. institutions to report publications produced with Horizon Europe funding to the EC (tentative)

Contributed by another group of people

Reuse & Extend stuff from the Core and other modules

Candidate modules:

- Dataset metadata
- Funding agency
- Research software metadata
- Bibliometric indicators
- Research Infrastructure description

CERIF Scholarly Publication Module

1st module started along with the Core

Scope:

- Journal Article
- Journal
- Monograph
- (Book Chapter)
- (Proceedings Paper)

📄 EuroCRIS / CERIF-ScholarlyPublicationsModule Public

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🔗 main ▾ 🌿 1 branch 🏷 0 tags

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Code ▾

About

No description, website, or topics provided.

📖 Readme

☆ 0 stars

👁 3 watching

🍴 0 forks

Releases

No releases published

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Contributors 3

 **chenejac** Dragan Ivanovic

 **jdvorak001** Jan Dvorak

 **jdvorak001** Add human-readable anchors to the journal-articles relationship ✓ 7fe3b7a on 10 Mar 🕒 87 commits

📁 .github/workflows Update plantuml.yml 6 months ago

📁 datatypes The initial creation of datatypes ISBN and ISSN, and update of Editor... 10 months ago

📁 diagrams 🚀 adding generated diagrams 2 months ago

📁 entities Add human-readable anchors to the journal-articles relationship 2 months ago

📁 examples link correction 6 months ago

📁 serializations/RDF adding examples directory 6 months ago

📄 README.md The Development section now references the Core 6 months ago

☰ README.md ✎

CERIF Scholarly Publications Module

A module to represent scholarly publications in the refactored CERIF. Its secondary purpose is to demonstrate the liason between the [CERIF Core](#) and a module.

Status

Developed in the FAIRCORE4EOSC project

- CERIF as an intermediate model for Metadata Schema and Crosswalk Registry

Home / EOSC Components /

Metadata Schema and Crosswalk Registry (MSCR)



MSCR
EOSC Metadata Schema
& Crosswalk Registry

eosc | FAIRCORE4EOSC

Enabling a FAIR EOSC ecosystem

Expected impact of the Metadata Schema and Crosswalk Registry (MSCR):



Better metadata interoperability



Easy to use GUI for creating crosswalks



Incentivised FAIRification



MSCR
EOSC Metadata Schema
& Crosswalk Registry

Related Case Studies:



EOSC Service Providers & RDM Communities



European Integration of National-level Services



Mathematics



Climate Change



Social Sciences & Humanities

Overview

The MSCR allows registered users and communities to create, register and version schemas and crosswalks with PIDs. The published content can be searched, browsed and downloaded without restrictions. The MSCR also provides an API to facilitate the transformation of data from one schema to another via registered crosswalks.

Partners:



GRNET

Thank you!