CERIF and related Projects

Brigitte Jörg



CSP Project - National Co-ordinator

UKOLN, University of Bath







euroCRIS, CERIF Task Group Leader

Outline

euroCRIS

- the Initiative
- ongoing Activities

CERIF and related projects

- UK
- Europe
- International















The Initiative

Mission: Development of Research Information Systems and their Interoperability



- non-profit organisation, registered in the Netherlands
- In 2002 the European Commission handed over the responsibility of CERIF

Activity:

- Assets Development
- Events: Membership twice a year; Seminar annual; Conference bi-annual
- Membership Development: International
- Strategic Partnerships: Strengthening
- Communication: Newsflashes; Mailing-Lists
- Project Engagements: National; EU

Assets:

- CERIF Common European Research Information Format
- DRIS Directory of Research Information Systems
- Multi-Layer Architecture Approach
- Generation of RDF and LOD from CERIF
- Best Practice
- Internal CERIF Ontology and Interoperation with other Ontologies

Board Elections

Ongoing
Call for Nominations
of new Board Members













euroCRIS

Current Research Information Systems

Board Members



Geert van Grootel, EWI, NL



Strategy

Anne Asserson.

UiB. NO

CERIF Brigitte Jörg, UKOLN, University of Bath, UK



DRIS, CERIF Best Practice Sergey Parinov, CEMI-RAS, RU



President Keith Jeffery, STFC, UK



Sekretariat

Harrie Lalieu.

euroCRIS, NL

ProjekteNikos Houssos,
EKT, DE



Conferences Barbara Ebert, Leuphena Uni, DE



Website Ed Simons, Radboud Uni, NL



Architecture David Baker, CASRAI, CA



Indicators

(NN)

Linked Open
Data
Miguel-Angel
Sicilia, University
of Alcala, ES



Repositorien Danica Zendulkova, CTVISR, SK

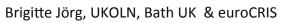














Strategic Partners













The Joint Information Systems Committee

← Alliance for Permanent Access →





















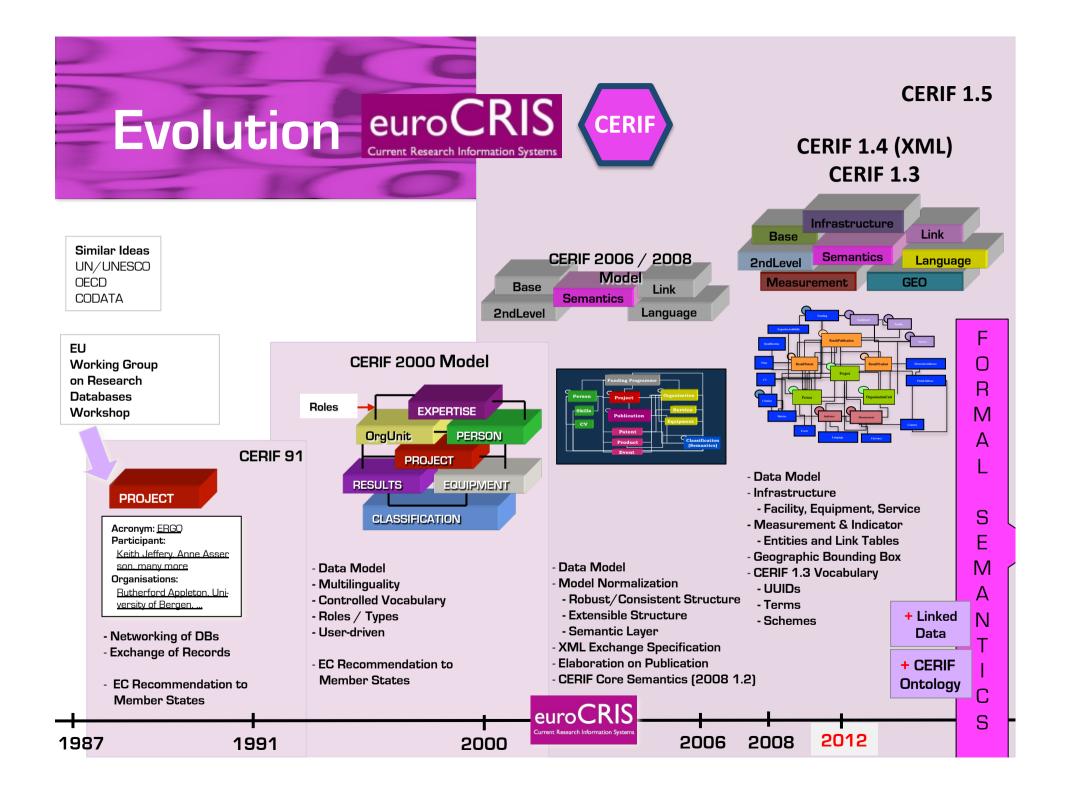


Outreach

Members in 42 countries
 (all continents except Antarctica)

- EU Project Partner
 - ENGAGE
 - EuroRIS-Net
- OpenAIREplus
- Institutional Members
- (only) Personal Members
- (only) Affiliate Members

Members outside of Europe:



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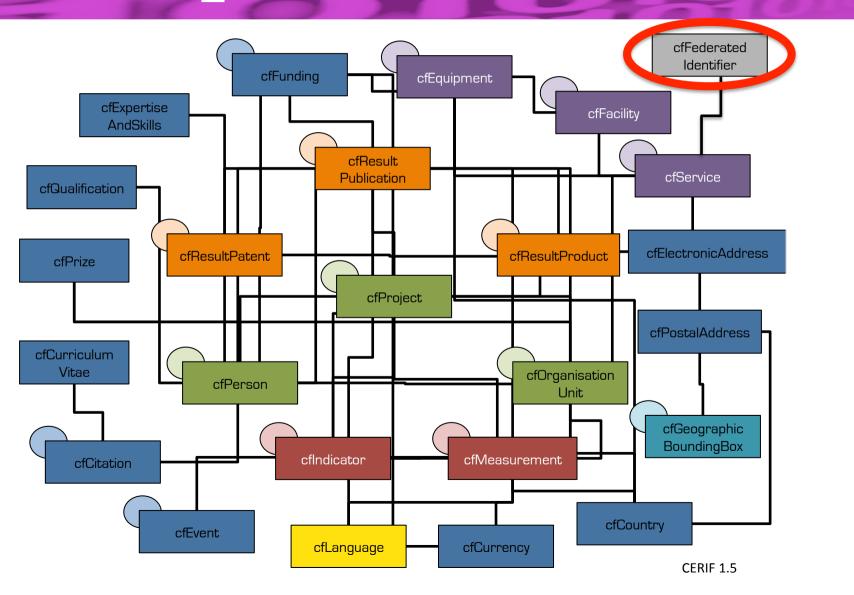




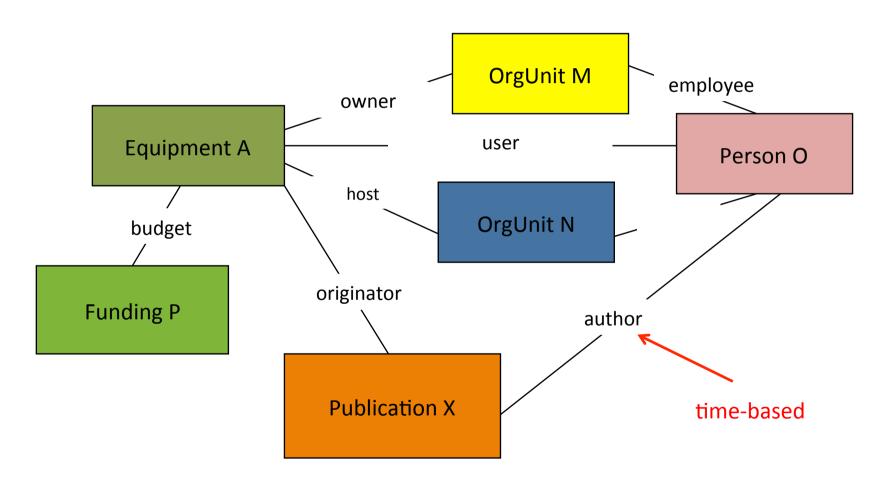




<u>Common European Research Information</u> Format – **CERIF** –



CERIF Use Cases













The RMAS use case

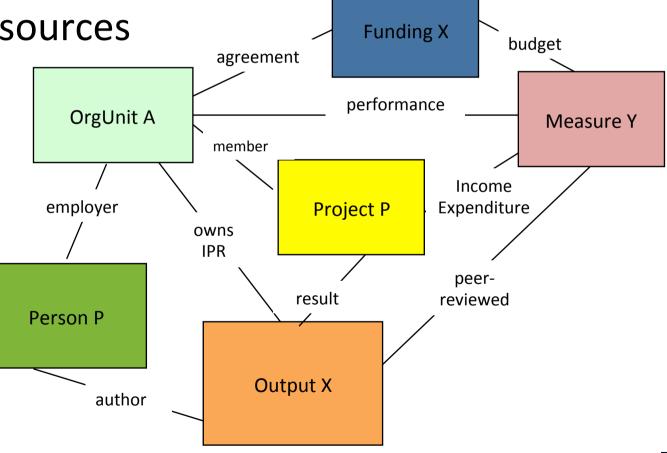
Human Resources

Projects

Outputs

Finance

Students





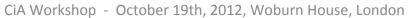






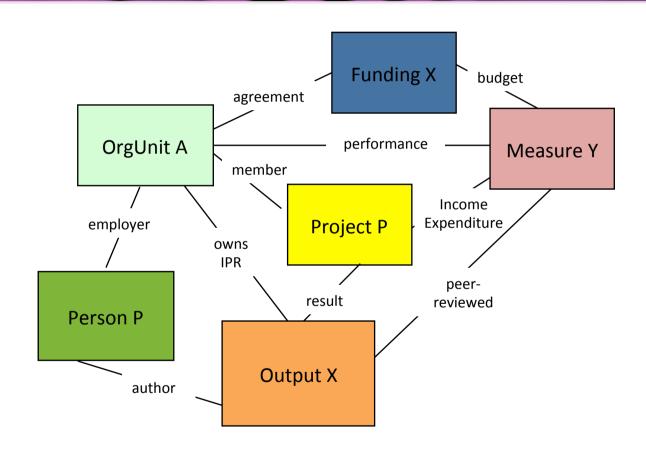






The CiA use case

- Person
- Publication
- Project
- Funding
- Organisation









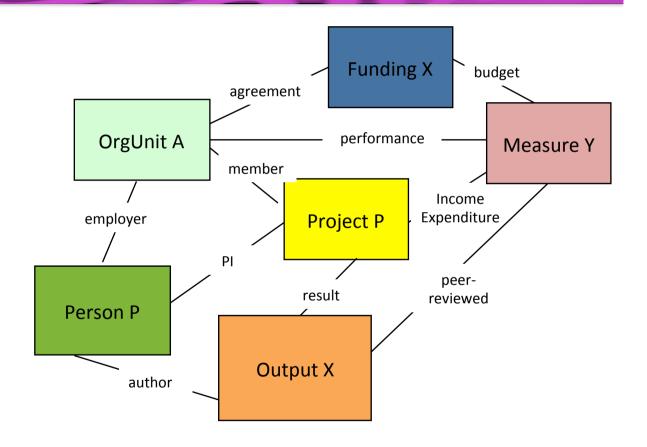






The GtR use case

- Funding
- Project
- Person
- Organisation
- Outputs
- Outcomes









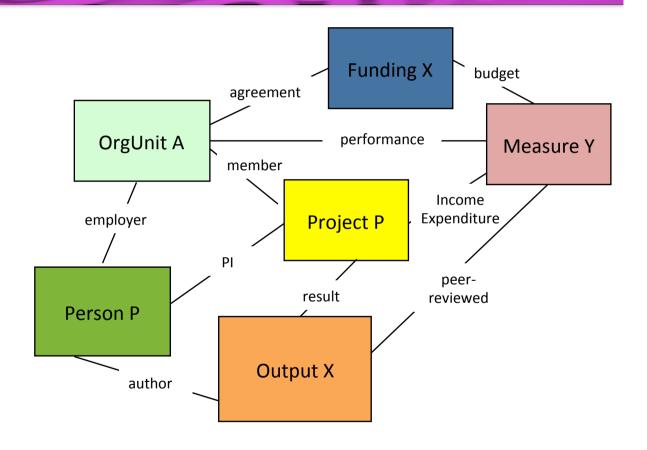






The REF use case

- Funding
- Project
- Person
- Organisation
- **Outputs**
- **Outcomes**















CERIF and Related Projects

- **UK**: CIA, GtR, RMAS, RMAS-EE, IRIOS-2, UKRISS, C4D, REDIC, DESCRIBE, UniQuip, ... **REF**
- Europe: OpenAIREplus, ENGAGE, EuroRISNet+
- International: Strategic Partnerships with CASRAI, VIVO, CODATA, Lattes, ...
- Emerging (changing) Market: (atira), Elsevier, avedas, symplectic, Thomson Reuters



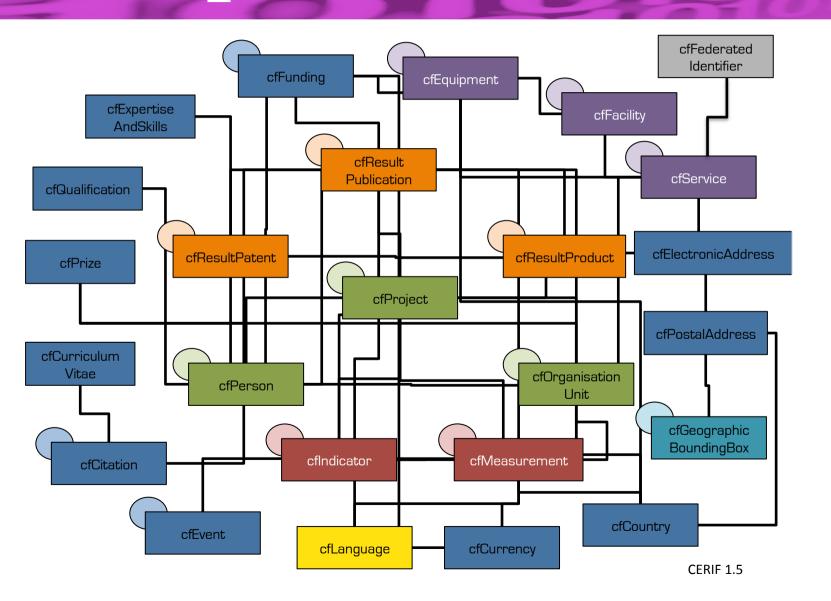








<u>Common European Research Information</u> Format – **CERIF** –



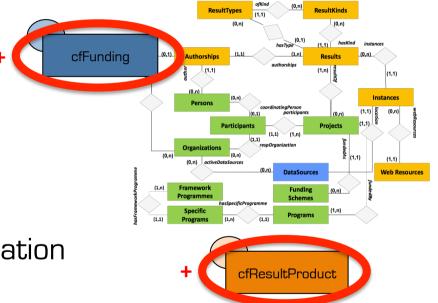
OpenAIREplus Use Case

EC Open Access Pilot project (FP7)

- CERIF extension with
 - Funding
 - Dataset

"The Data Model of the OpenAIRE Scientific Communication e-Infrastructure"

paper @ MTSR 2012 Cadiz, Spain



EuroRISNet+ Use Case

"European Network of National Contact Points for Research Infrastructures moving forward."

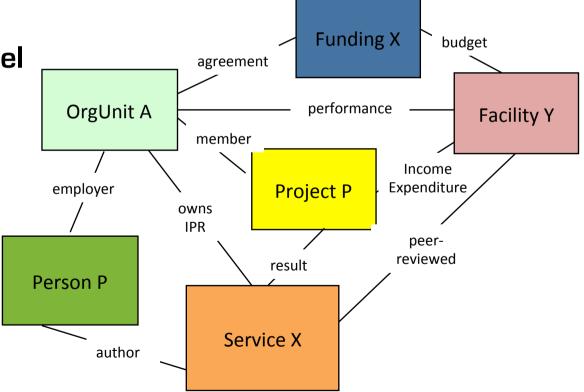
CERIF-based Datamodel

and Mapping

Facility

Service

- Project
- Funding
- Organisation
- Event
- Person







CERIF LOD Component view

CERIF LOD task group @ euroCRIS

- Leader: Miguel-Angel Sicilia
- Set up in: March 2012
- (1) euroCRIS hosted extended ontologies, mappings
- (2) Middle Ware / transformations / exchange / interfaces / exposure
- (3) CERIF Relational DB Model

For more information: Miguel-Angel Sicilia

Inline with the multi-layer architecture as presented at CRIS 2012: "A multi-level metadata approach for a Public Sector Information data infrastructure" [Nikos et al. 2012]

ENGAGE Use Case

"An Infrastructure for Open, Linked Governmental Data Provision towards Research Communities and Citizens."

Multi-layer architecture as presented at CRIS 2012: "A multi-level metadata approach for a Public Sector Information data infrastructure"

[Nikos et al. 2012]

Data Y budget agreement performance OrgUnit A **Publication A** member Income Expenditure employer Project P owns **IPR** peerresult reviewed Person P Service X author

http://www.engage-project.eu/engage/wp/

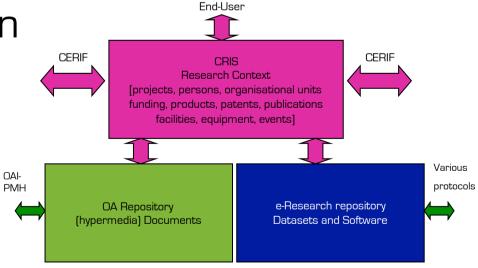


Interoperation with Repositories

- CERIF-CRIS interoperates with Repositories, several examples in UK
- OpenAIREplus CERIF streamlining

ROME Declaration

From CERIF generate DC, ...













Partnerships (MoU)

Canada



www.casrai.org

United States of America



vivoweb.org

Integration - Interoperability - Semantics



Finalizing Partnership





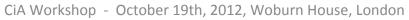












CERIF and related Activities

- CERIF XML
- CERIF Entities
- CERIF Vocabularies
- CERIF Mappings
- CERIF Architecture
- CERIF LOD

We must ensure
Consistency
in between
the approaches !!!

```
Human Resources: cfPers; cfPers_Class; cfPers_EAddr;
cfPers_PAddr; cfPers_Event; cfPers_OrgUnit;
cfPers_Pers; cfPers_ResPubl; cfPers_Srv; cfPers_Proj
Finance: cfFund: cfFund_Class: cfProj_Fund:
cfProi Meas
Projects: cfProj; cfProj_Class; cfProj_Pers;
cfProj_OraUnit; cfProj_Fund; cfProj_ResPubl;
cfProj_ResProd; cfProj_Meas; cfOrqUnit;
cfOrgUnit_Class; cfOrgUnit_PAddr;
Outputs: cfResPubl; cfResProd; cfResPat;
cfResPubl_Class; cfResProd_Class; cfResPat_Class;
cfResPubl_Pers; cfResProd_Pers; cfResPat_Pers;
cfResPubl_ResPubl; cfResPubl_ResPat;
cfResPubl_ResPat; cfResProd_ResProd;
cfResPat_ResPat; cfResPubl_Fund; cfResProd_Fund;
cfResPat_Fund; cfEvent; cfEvent_Fund; cfEvent_Pers
Students: cfPers_Class; cfPers_Pers; cfPers_Srv
```

















UK Projects

CIA, GtR, RMAS, RMAS-EE, IRIOS-2, UKRISS, C4D, REDIC, **DESCRIBE** Uniquip ... REF



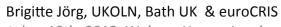












Forthcoming CERIF activities

- Increased Coordination & Communication
- Compliance Testing (Formality)
- Benchmarking
- Use Case Distribution
- CERIF Model: Research Data, Model Cleaning
- CERIF Mappings
- Vocabularies (e.g. CASRAI, ...), Identifiers, ...
- Roadmap at euroCRIS Members Meeting



















Autumn membership meeting, Nov 5-6, 2012

Madrid, Spain

organised by Pablo de Castro















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