

Role of Standards Bodies and Organisations?

CSP Project - National Co-ordinator

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Introduction of the Speaker

CERIF TG Leader, Board Member

euroCRIS, non-profit organization
registered in the Netherlands

euroCRIS
Current Research Information Systems



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What is now ?



Towards a more economically driven model in developing standards intended for international use.



International Organization for Standardization



connect • share • discover



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What is now ?



Towards a more economically driven model in developing standards intended for international use.

OASIS



International Organization for Standardization



connect • share • discover



Cur David Baker, Keith Jeffery, José Salm, and Jon Corson-Rikert



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Consortia Advancing Standards in Research Administration Information



- **Form:** not-for-profit organization, 2006 in response from NatSci and SocSci government funding agencies
- **Mission:** Standards development towards interoperability of Research Information
- **What does CASRAI do?**
 - Assets: Data Dictionary
 - Collective Development
 - Advance Best Practise for Data Exchange / Reuse
 - International Membership



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An interdisciplinary network Enabling collaboration and discovery among scientists across all disciplines



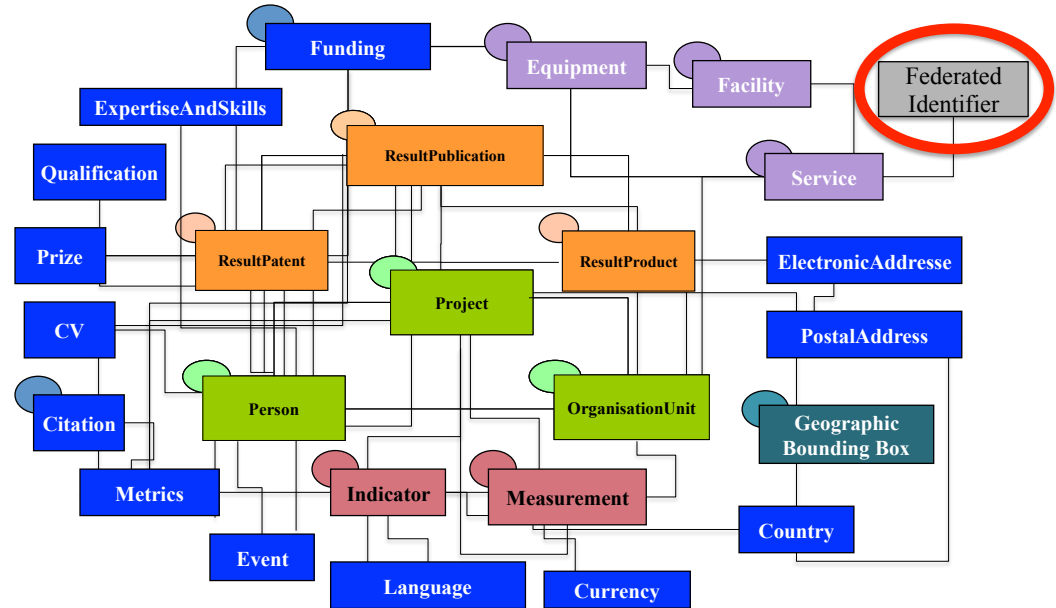
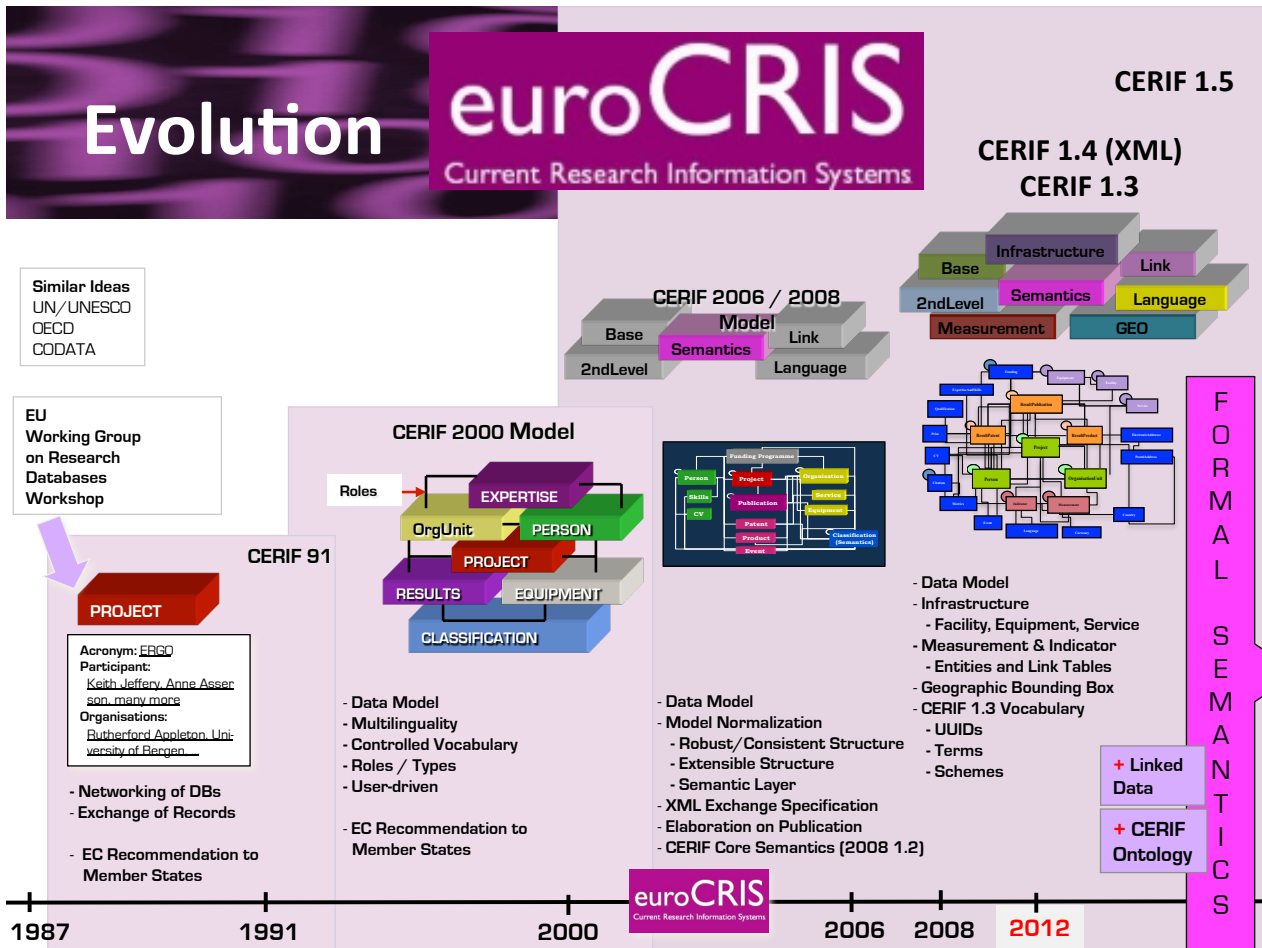
- **Form:** : NIH funded project, Cornell University, 2003 becoming DuraSpace incubator project and independent legal status
- **Goal:** Interoperation
- **What does VIVO do?**
 - **Assets:** Open Source Semantic Web Application
 - Visualisation, Search
 - Tools
 - Open Data, Interoperation



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- **Form:** : National System, origin 1999
- **Goal:** Research Assessment
- **What does Lattes do?**
 - Assets: Research Group and Curricula Information
 - Identification
 - Addresses,
 - Academic Degrees, Professional Experiences, Prizes, Projects, Bibliographic Production, Technical Production, Thesis Advisements, Complementary Data
 - Knowledge Domain, Idioms

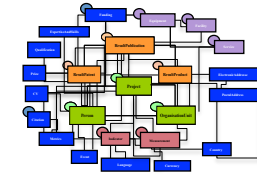
- **Form:** not-for-profit organisation, the Netherlands, 2002
- **Mission:** development of Research Information Systems and their interoperability.
- **What does euroCRIS do?**
 - Assets: CERIF, DRIS, Best Practise
 - Share experience
 - Joint R&D activities
 - Meetings: Membership; Seminar; Conference
 - Newsflashes
 - Strategic Partnerships
 - International Membership





the Common European Research Information Format

- **Conceptual Level (Specification)**
A description of the concepts of research involved entities and their relationships
- **Logical Level (Conceptual Model)**
A formal description of the research involved entities and their relationships according to a concept
- **Physical Level (Database Scripts)**
A formal machine readable description of the entities and their relationships according to a concept
- **Semantic Layer (Formal Semantics)**
A formalized controlled vocabulary describing a general contextual semantics of the research domain inline with the conceptual, logical and machine description



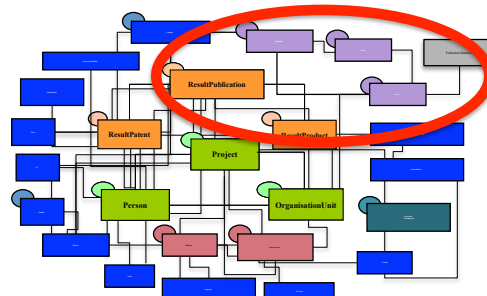
```
SQL Script
-----
CREATE Table Person
CREATE Table Project
CREATE Table OrgUnit
```



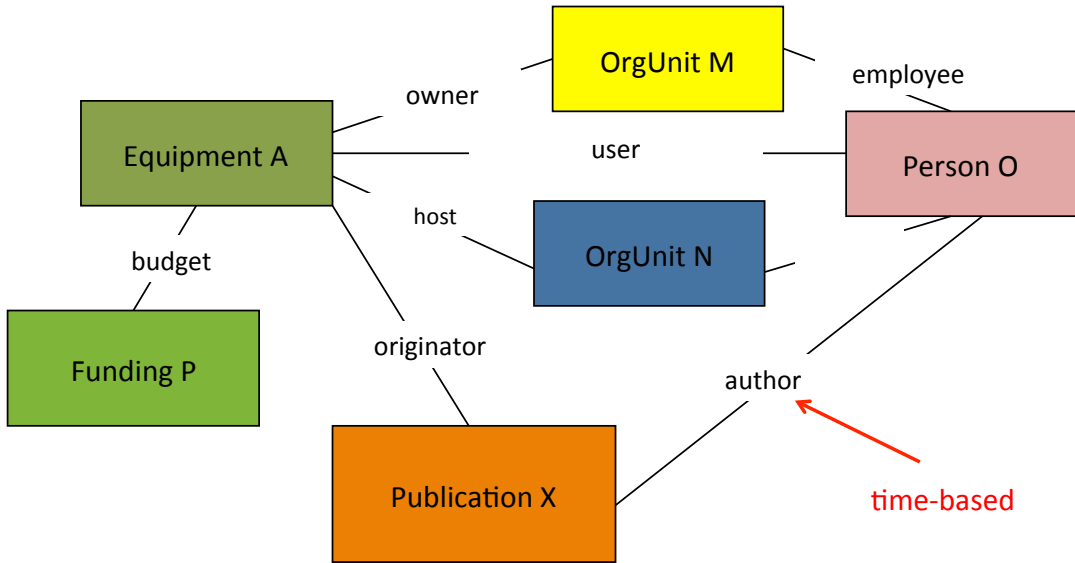
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- **Equipment, Facility, Service**
 - Name, Description, ID, Acronym; Federated ID, Keywords
- **Link Entities (employ existing Vocabularies)**
 - > Classification (Network; Virtual, Cluster, in Operation; Being Upgraded, ...)
 - > Publication, Patent, Data
 - > Postal Address
 - > OrgUnit (Host, Owner, ...)
 - > Person (User, Staff, ...)
 - > Project
 - > Funding
 - > Event
 - > Medium
 - > Indicator, Measurement

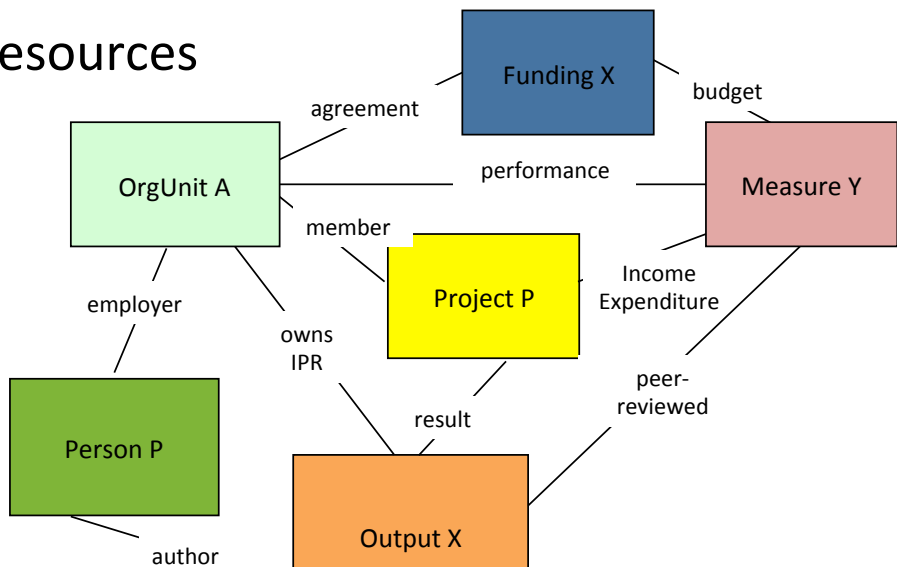


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RMAS (a use case)

- Human Resources
- Projects
- Outputs
- Finance
- Students





Aims:

- Data Quality
- Reuse
- In-time Information
- Integration
- System Development



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- **UK:** CIA, GtR, RMAS, RMAS-EE, IRIOS-2, UKRISS, C4D, **REDIC**, ...
RIM Programme
- **Europe:** OpenAIREplus, ENGAGE, EuroRISNet+
- **Overall:** euroCRIS members in 42 countries on all continents except Antarctica
- CERIF national standard in 9 countries and used (in some form) in research funding, research performing and research utilising institutions in just about all 42
- **Emerging (changing) Market:** atira (Elsevier), avedas, symplectic, Thomson Reuters



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What is the Future?

- 6 month ?
- 2 years ?
- 5 years ?
- 20 years ?
- 50 years ?



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How To Order timely ?



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Upcoming CERIF TG Meetings

- CERIF TG meeting
collocated with LOD TG meeting
October 10th - 12th in Athens, Greece
- CERIF TG meeting November 8th
collocated with euroCRIS Members Meeting
November 5-6 in Madrid, Spain
<http://eurocris.grandir.com/>



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