

Institutional Repositories and Current Research Information Systems (CRIS) in the Context of Service-Oriented e- Infrastructures

**3rd Conference on Open Access, University of Minho – Braga
December 15 & 16, 2008**

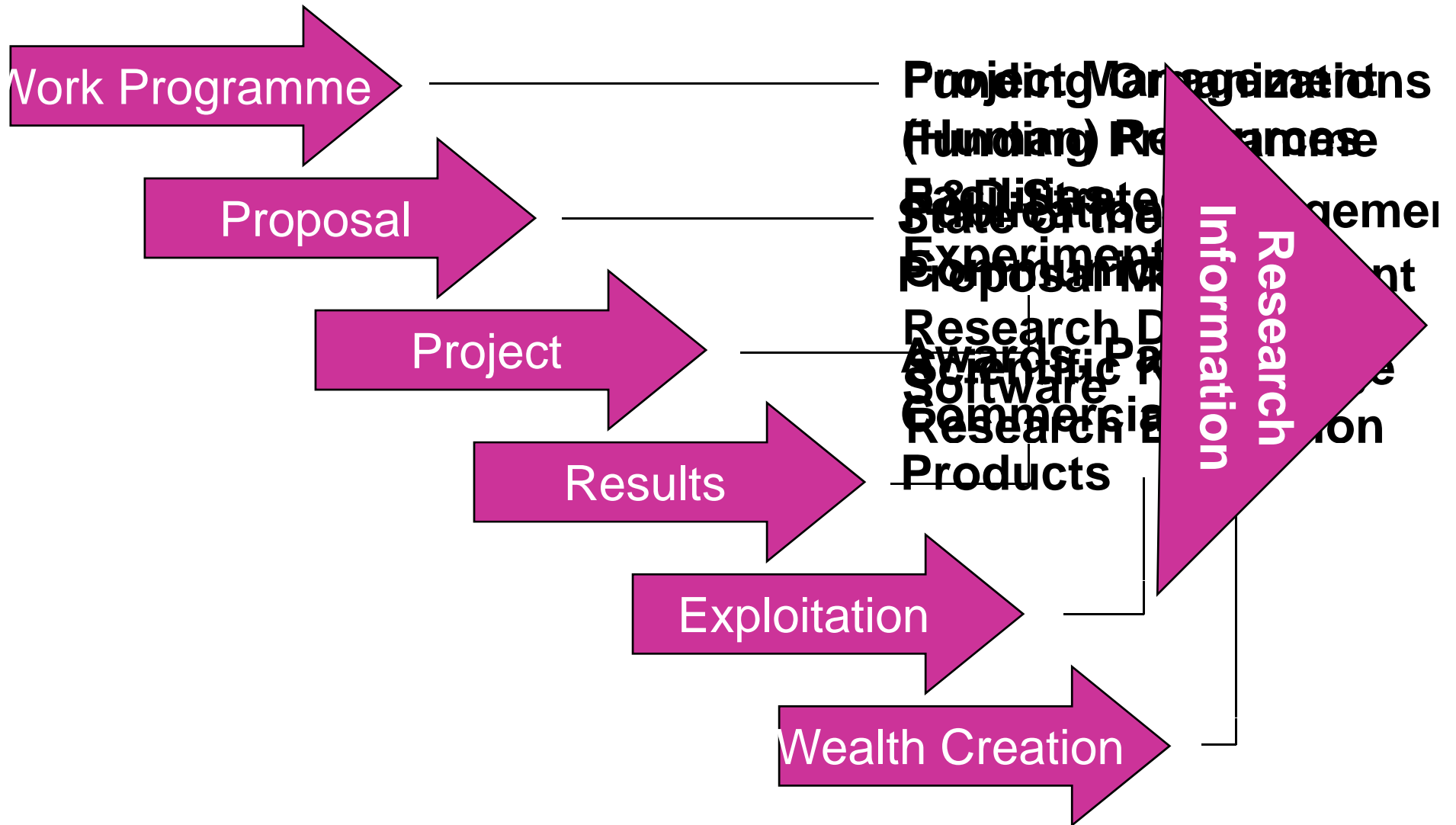
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Outline

- **What is a CRIS?**
- **euroCRIS & CERIF**
- **CRIS and Open Access Repositories**
- **sowiport.de - An Example of CRIS-IR connectivity**
- **CRIS and the e-Infrastructure**
- **Conclusions**

The R&D Process



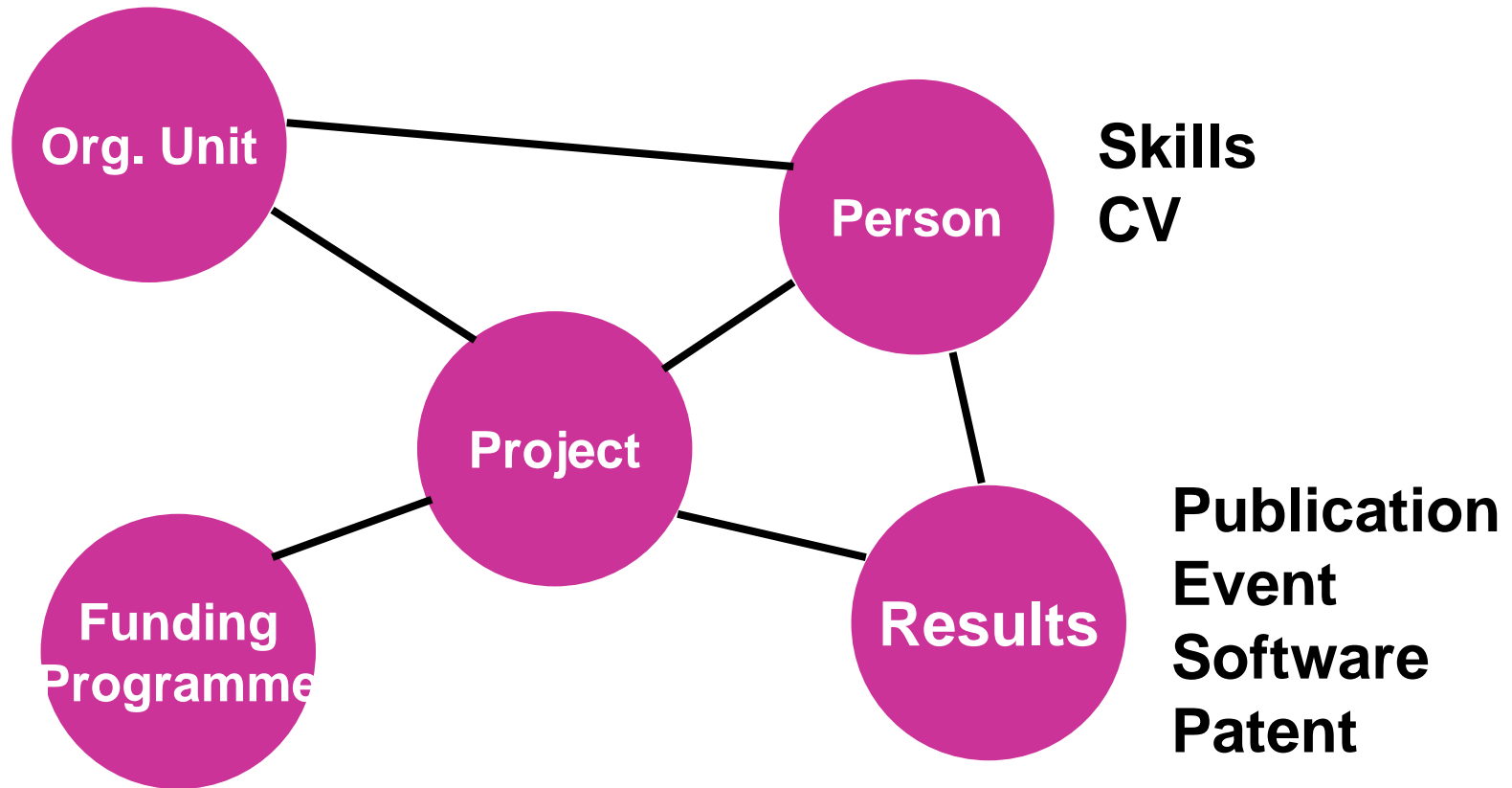
Organizing Research Information

- **What to store where and how?**
- **How to interlink information?**
- **How to manage quality?**
 - Completeness
 - Accuracy
 - Consistency
 - Timeliness
- **How to support processes and workflows?**
- **How to connect to existing systems?**



Research Information

Core Information Entities & Semantic Relationships



Current Research Information Systems



“A Current Research Information System, commonly known as ‘CRIS’, is any information tool dedicated to provide access to and disseminate research information” (www.euroCRIS.org)

A CRIS consists of

- a data model describing objects of interest to R&D**
- a tool or set of tools to manage the data**

Current Research Information Systems



Purpose of a CRIS

To assist users in their

- **recording,**
- **reporting and**
- **decision-making**

concerning the research process, whether

- **developing programmes,**
- **allocating funding,**
- **assessing and executing projects,**
- **generating and assessing results or**
- **transferring technology.**



Current Research Information Systems



Users of R&D Information and CRIS

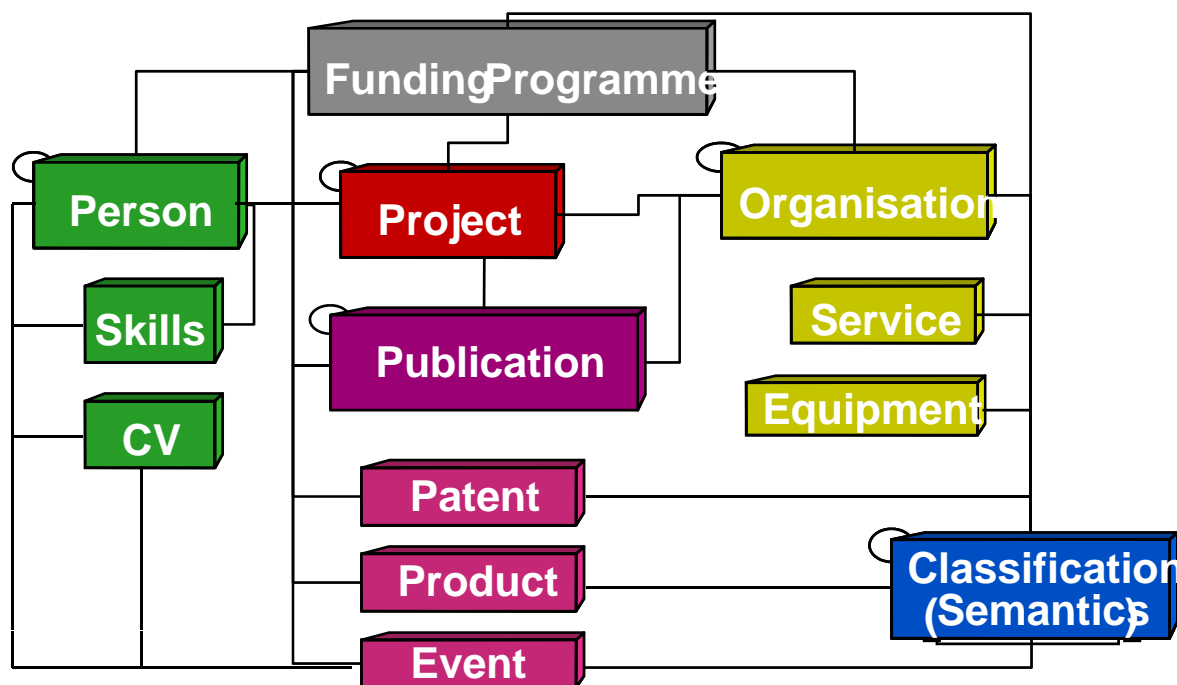
- **Political decision-makers**
- **Funding organisations**
- **Entrepreneurs**
- **Researchers**
- **Innovators**
- **Media**
- **General public**



Current Research Information Systems

CERIF - A Data Model for CRIS

Common European Research Information Fo



Brigitte Jörg, 2008



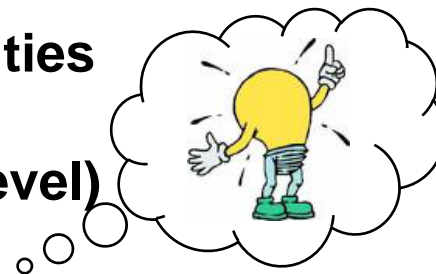
CERIF - A Data Model for CRIS

Common European Research Information Fo



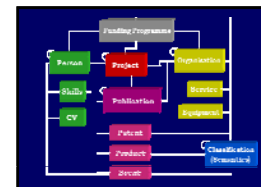
A Concept about Research Entities and their Relationships

→ Specification (Conceptual Level)



A Description of Research Entities and their Relationships

→ Model (Logical Level)



A Formalization of Research Entities and their Relationships

→ Database Scripts (Physical Level)

```

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

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The Role of euroCRIS

- **Not-for-profit association**
- **Dedicated to improvement of research information availability**
- **Developed CERIF with support of the European Commission**
- **Maintains CERIF as an actively used standard**
- **Task groups (CERIF, Best Practice, DRIS, IR-CERIF etc.)**
- **Institutional, personal, affiliate memberships**

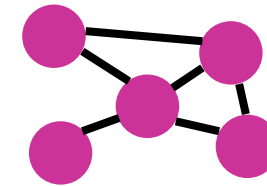


Join euroCRIS at www.eurocris.org

Current Research Information Systems

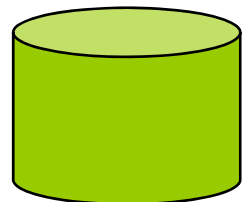


CRIS and Institutional Repositories



CERIF-CRIS
 Projects, Persons, Org. Units,
 Publications, Events, Patents,
 Funding Programmes, etc.

- Detailed, interlinked metadata/information
- Linked to the whole R&D process
- Rich semantics



Publication
 Repository

- Full text publications
- Information retrieval
- Long-term archiving



sowiport.de – Linking CRIS and Institutional Repositories

CRI

Social Science Open Access Repository

Neues Dokument aus Sowiport übernehmen

Wenn Sie Besitzer / Rechteinhaber des genannten Textes sind, können Sie diesen hier nach SSOAR hochladen.

One Could Laugh in the Old Times. A Reaction to Henk de Vos's 'Geld en 'de rest'

Burgers, Jack; Aupers, Stef
Quelle: 2003 [Aufsatz]

Es fehlen noch folgende Angaben von Ihnen:
 Legende: ● Pflichtfeld

Ihr Volltext ●

Ihr Name ●

Ihre EMail-Adresse ●

Ihre Institution

Lizenzvereinbarung ●

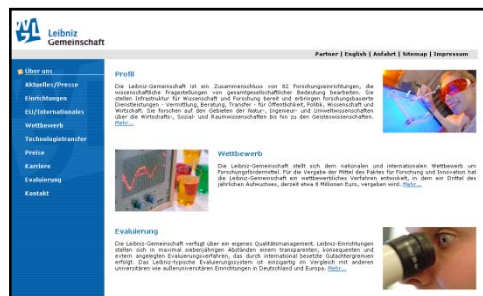
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Ja, ich stimme diesen Bestimmungen zu.

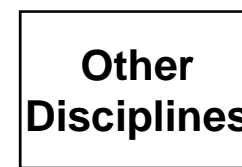
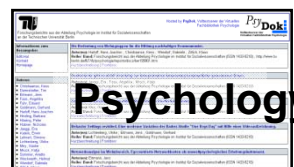
IR

Bigger Picture: Leibniz Association



Harvest Metadata

Harvest Metadata



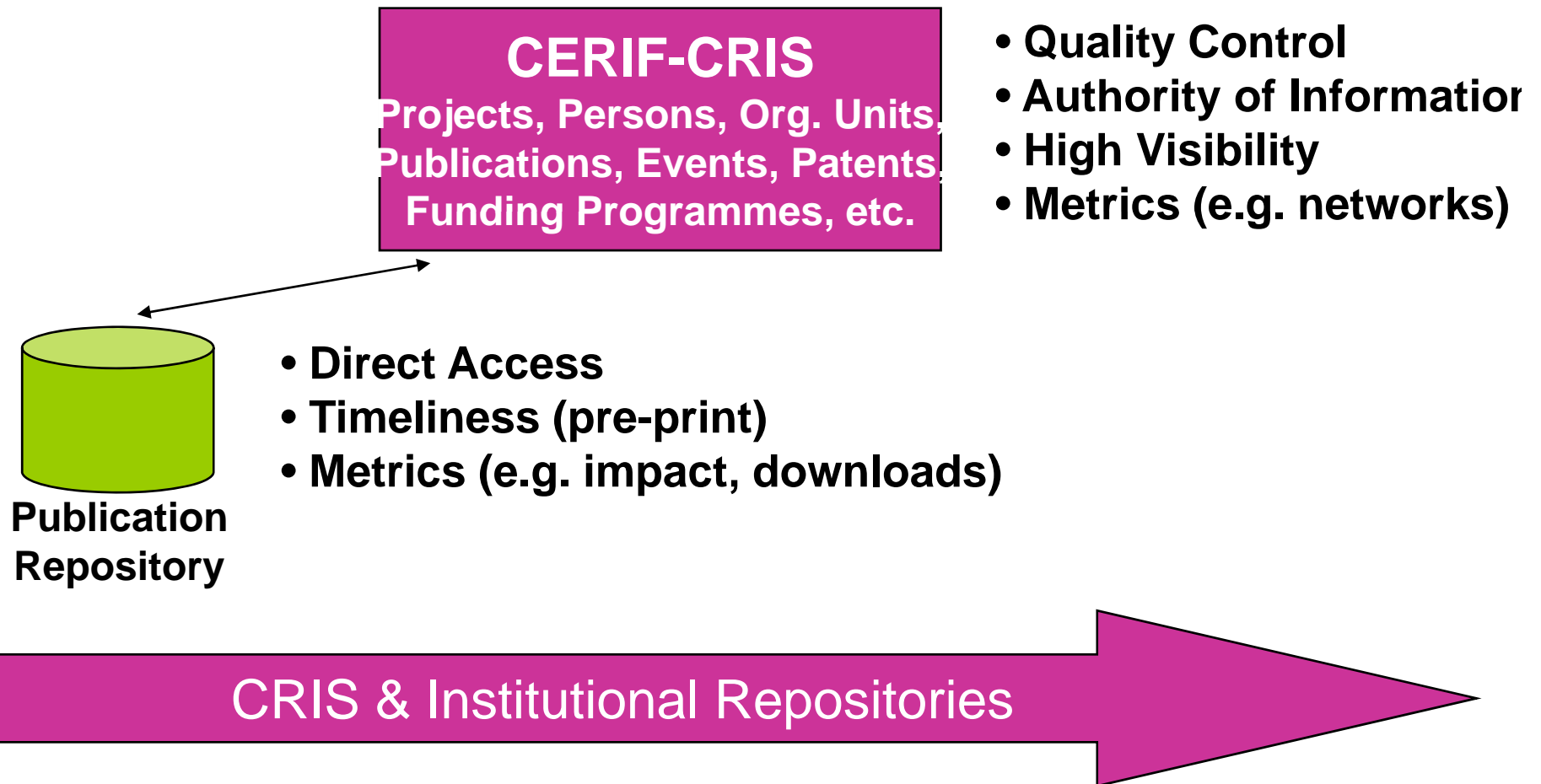
Deposit Publications

Deposit Publications

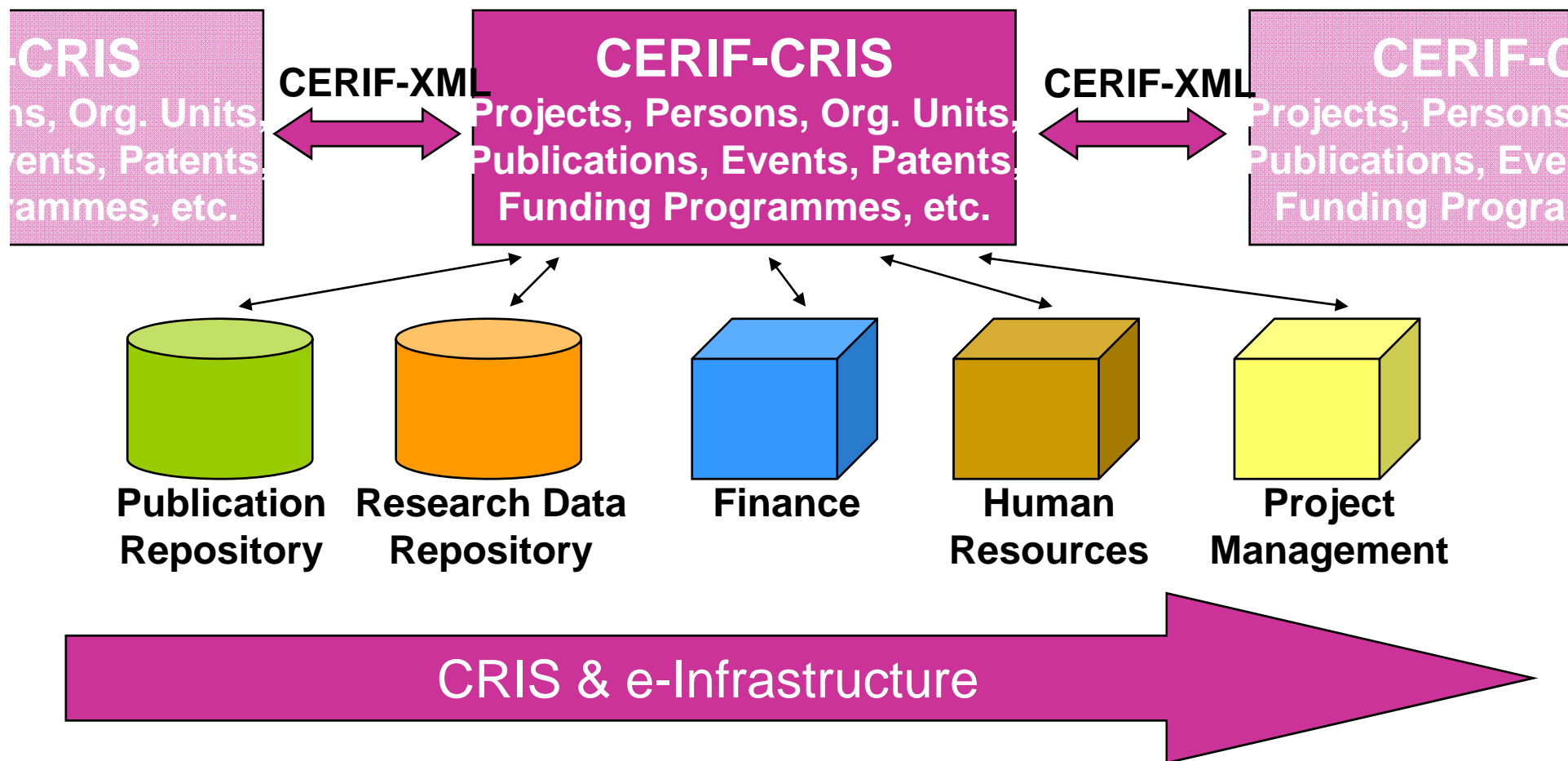
82 Leibniz Institutes



CRIS and Institutional Repositories



CRIS and the e-Infrastructure



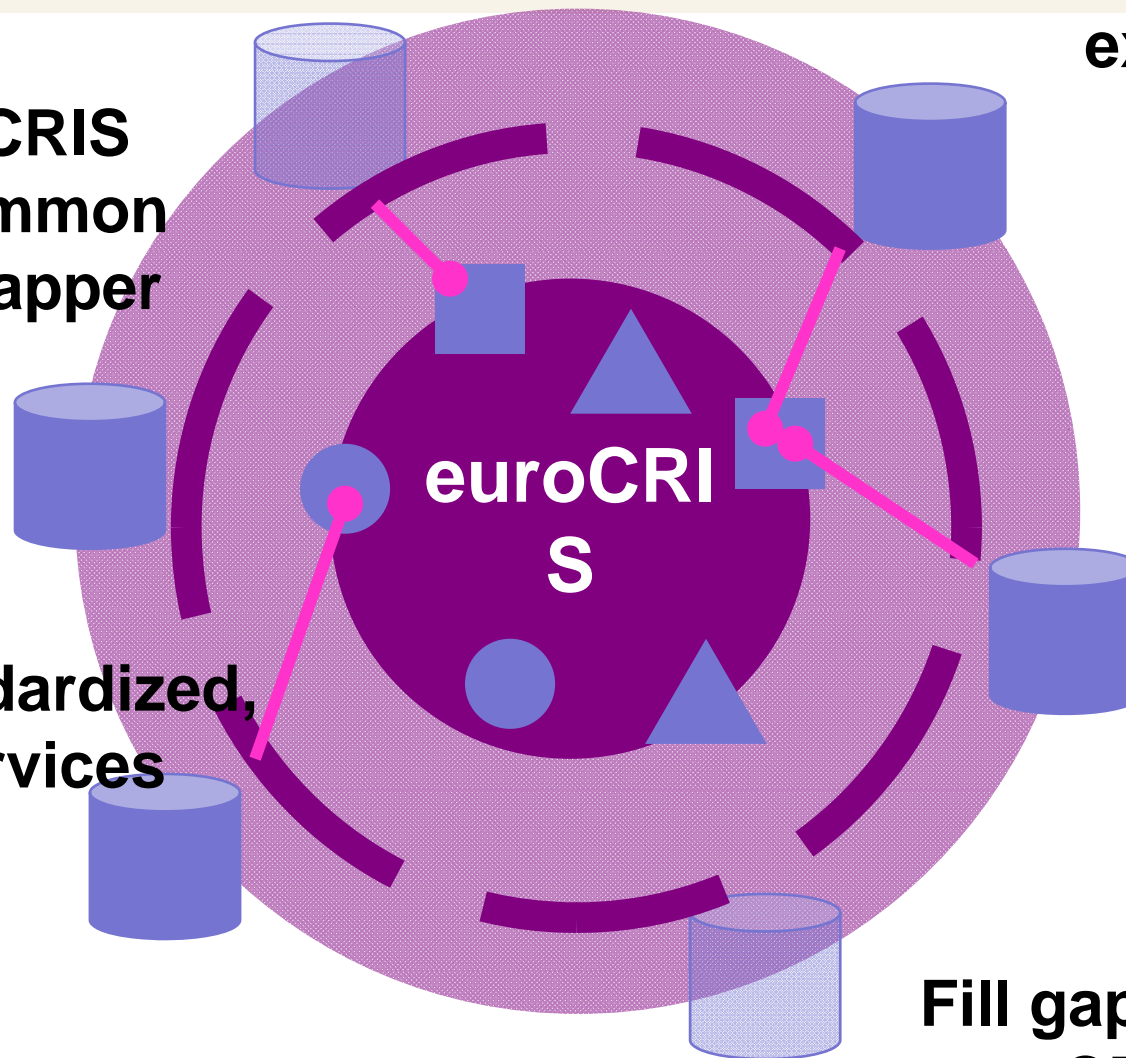
CRIS and the e-Infrastructure

Enhance existing CRIS

Connect CRIS with a common CERIF wrapper

Create standardized, reusable services

Fill gaps with new CRIS



Conclusions

- **CRIS and IR are not competitors**
 - **Complementary modules of the e-Infrastructure**
 - **Combine**
 - Timeliness
 - Direct access
 - High visibility
 - Authority
 - **Make R&D outcomes widely available**
 - **Communities need to synchronize**
- Current activity: Knowledge Exchange**

Thank you for your attention!



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