



Národný informačný systém podpory výskumu a vývoja v SR
– prístup k elektronickým informačným zdrojom

NISPEZ



Informačné systémy o vede

Integrácia pre otvorený prístup k vedeckým výstupom

Zborník z medzinárodnej konferencie

CVTI SR, Bratislava 2. apríla 2014

CVTI SR, Bratislava 2014

Podporujeme výskumné aktivity na Slovensku / Projekt je financovaný zo zdrojov EÚ

Standardising research contexts towards system interoperability – and more

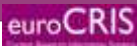


Brigitte Jörg

CASRAI, JeiBee Limited, Londýn, Veľká Británia

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spojila svoju pracovnú kariéru s informačnými systémami o výskume a v súčasnosti pracuje ako riaditeľka firmy JeiBee Limited so sídlom v Londýne. Práci v EuroCRIS a dátovému formátu CERIF venovala takmer desaťročie a má významný podiel na jeho vývoji a šírení. Je členkou Rady euroCRIS a do minulého roka pôsobila ako vedúca pracovnej skupiny CERIF.



Standardizing Research Contexts Towards System Interoperability – and More

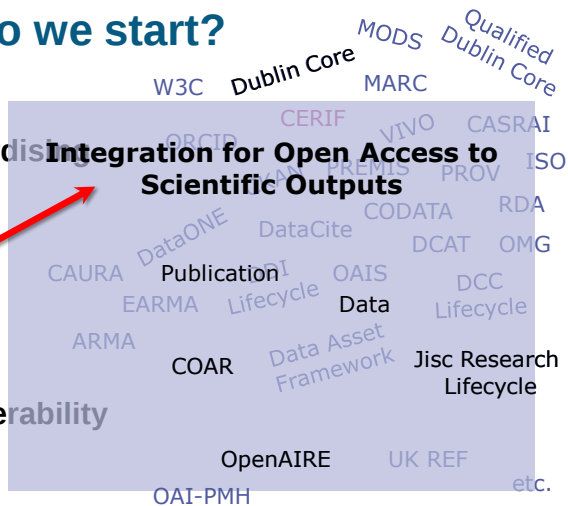
Research information systems: integration for
Open Access to scientific outputs
CVTISR, Bratislava
April 2nd, 2014

Dr Brigitte Joerg, euroCRIS, EU
JeiBee Ltd. London, UK

1

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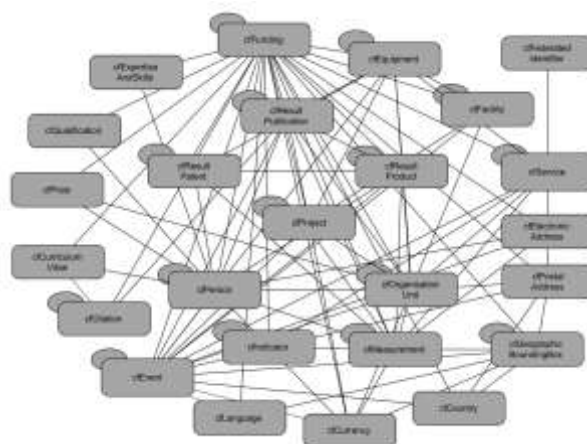
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- **Standardisation**
 - **Context**
 - **Interoperability**



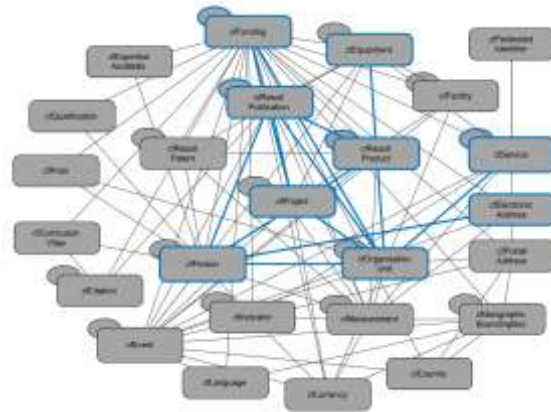
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- **What are needs / requirements ?**
- What has been done ?
- What is the context ?
- What are the boundaries ?
- Which standard is appropriate for my need ?
- How to reuse / collaborate / apply correctly ?

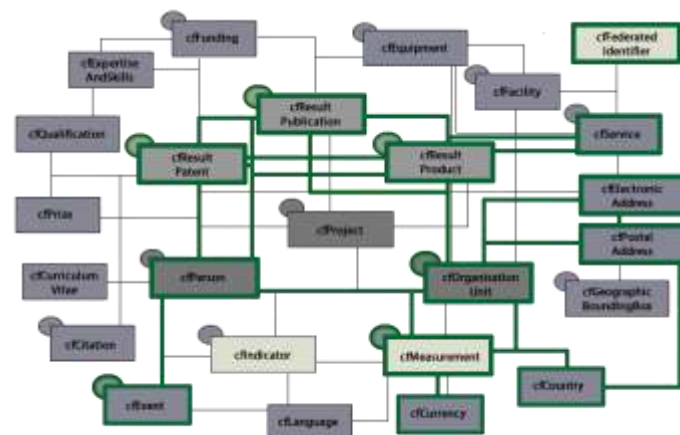
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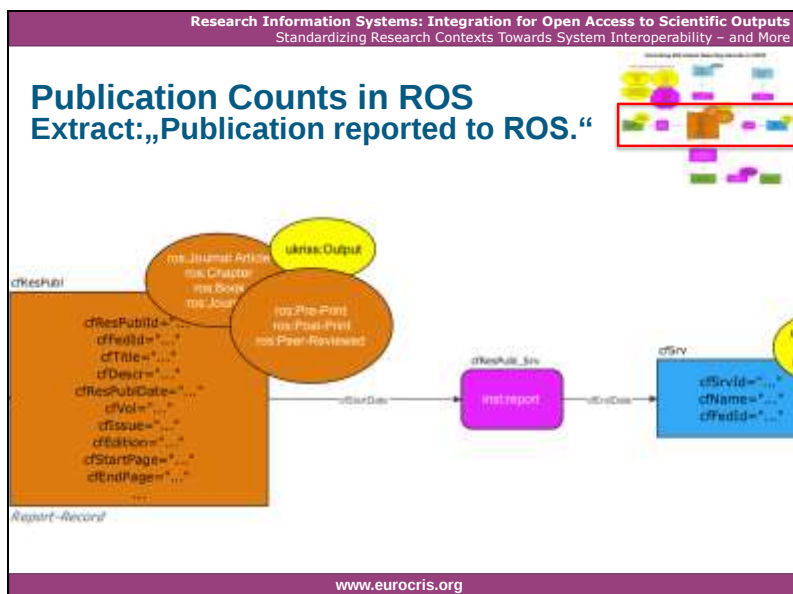
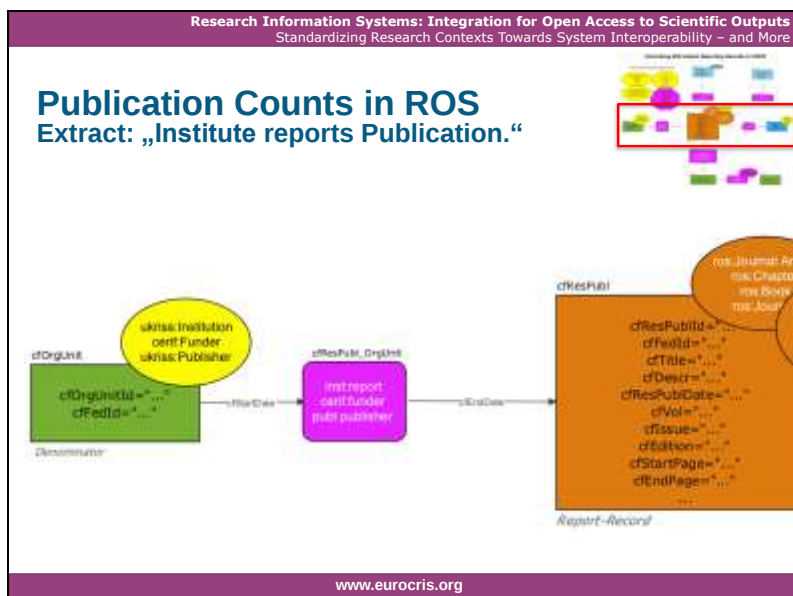
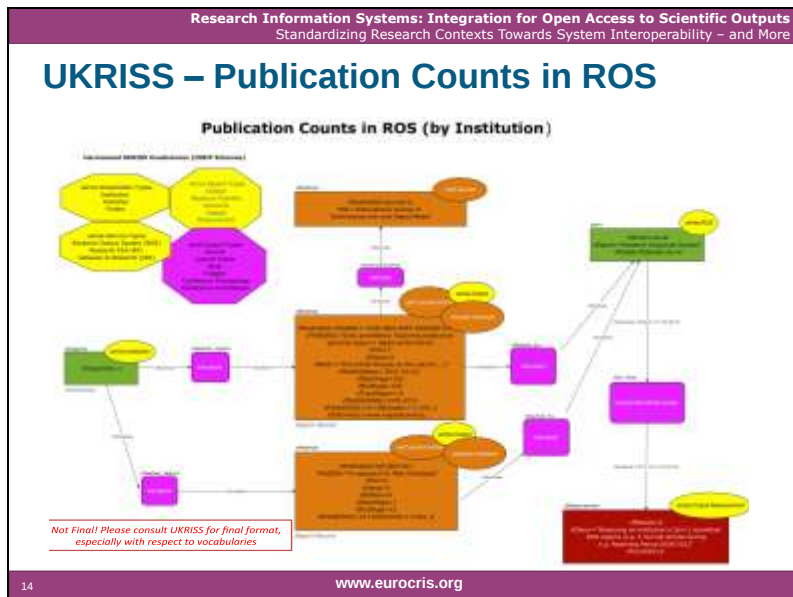
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- REF
- CASRAI
- VIVO
- EuroRIs-Net+
- UKRISS
- OpenAIRE
- ENGAGE
- Snowball Metrics
- RMAS
- etc. ...







Research Information Standards

Machine Anatomy in UK and Germany

Annual CASRAI International Conference
Ottawa, October 16-18, 2013

Mathias Riechert, Institute for Research Information and Quality Assurance (IFQ), Berlin, GER
Brigitte Jörg, euroCRIS, EU / CASRAI, INT

Joint Presentation!
See also slides by
Mathias Riechert, IFQ

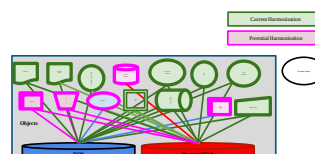
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Research Information Systems: Integration for Open Access to Scientific Outputs
Standardizing Research Contexts Towards System Interoperability – and More

UKRISS Objects



- Publication ✓
- Intellectual Property
- Product/Intervention
- Spin-Out
- Collaboration/Partnership
- Further Funding ✓
- Staff Development ✓
- Dissemination/Communication
- Exploitation
- Award / Recognition ✓
- Key Findings
- Impact
- Dataset
- Event



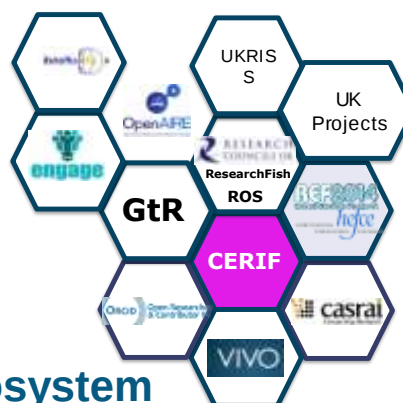
✓ = UK – GER Overlap

Underlying Vocabularies are not considered here

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Science is a global Activity



Science is a
dynamic Ecosystem

22

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CASRAI Dictionary

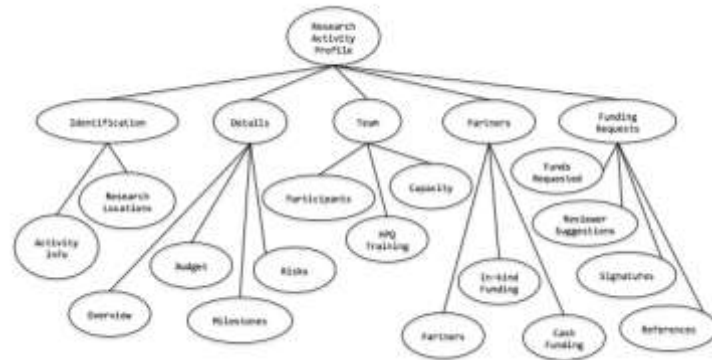


Image Source: PhD Thesis, Brigitte Jörg, July 2013

23

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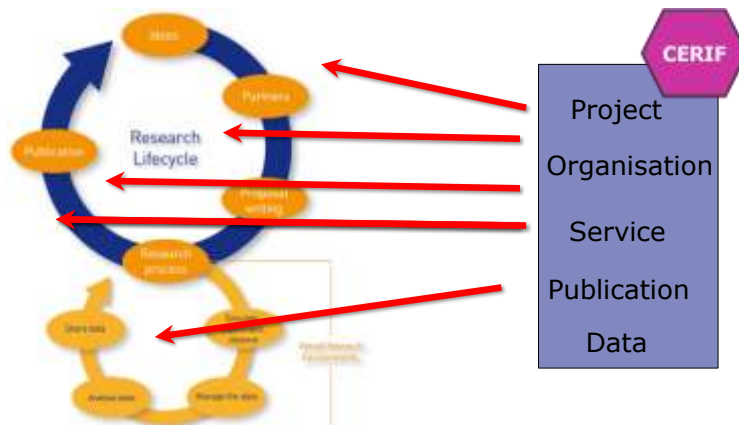
Jisc Research Lifecycle



24

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Jisc Research Lifecycle



25

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DCC – The Curation Lifecycle

<http://www.dcc.ac.uk/digital-curation/what-digital-curation>

26 www.eurocris.org

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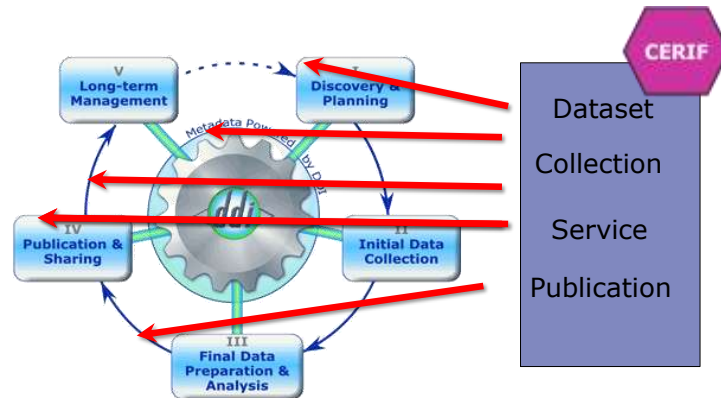
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DDI Lifecycle

28 www.eurocris.org

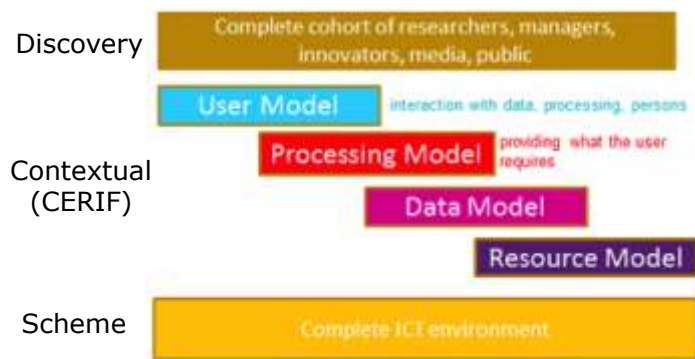
DDI Lifecycle



29

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Emerging e-Infrastructure



Jeffery et. al. 2013 <http://resources.metapress.com/pdf-preview.axd?code=v15422n2u7112669&size=largest>

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Application of Metadata Standards

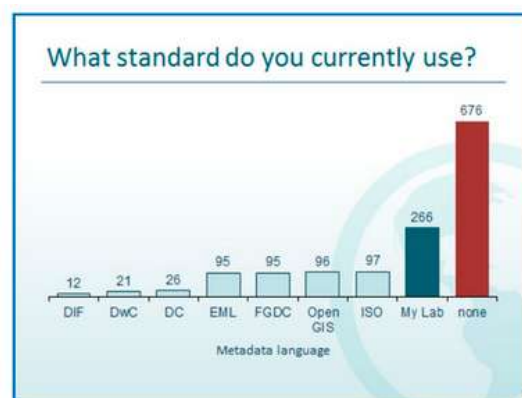


Figure 1: Application of Metadata Standards (Tenopir, et al, 2011), $n = 1329$.

31

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RDA Data in Context IG

Brigitte Jörg; Keith Jeffery
Co-Chairs

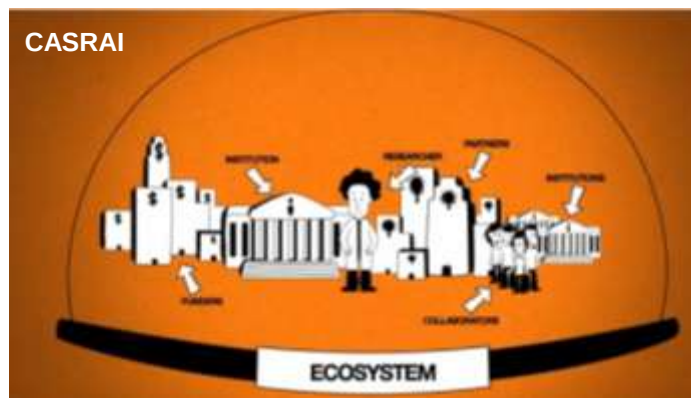
Deliverables:

- **M6:** Overview of contextually-aware standardization work
- **M12:** Priority List of Requirements

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We are the Machine



33

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34

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What do we need ?

- Stakeholders' Needs / Requirements
- Networking / Collaboration / Partnerships
- Communication
- Reuse / Extension of Existing Work
- Appropriate Standards Selection / Application
- Contextual assignment to e.g. the Research Lifecycle
- Formalisation of reusable Profiles (Syntax + Semantics)
- Best Practises

35

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What do we gain?

- Understanding the Context (Boundaries)
- Meaningful System Interoperation
- Improved Data / Information Quality
-> Informed Decisions
- Scalable Systems
- Sustainable Systems
- An Integrated / Dynamic Research Ecosystem

36

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euroCRIS
Current Research Information Systems

Strategic Partnerships



ORCID
Connecting Research
and Researchers

EUNIS
in preparation

37

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What we do not want ?



Figure 1 – standards (taken from <http://xkcd.com/927/>)

Upcoming Events



euroCRIS Members Meeting
Amsterdam, the Netherlands
November 2014