



# euroCRIS

Current Research Information Systems.

THE INTERNATIONAL ORGANISATION FOR RESEARCH INFORMATION

**INCONECSS**

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Berlin

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euroCRIS Board Member

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- ▶ **The future of Research Information:**
  - ▶ Research Data Management and Archiving
  - ▶ Management of Multi-dimensional Researcher Portfolio
  - ▶ Research Information Infrastructures

# euroCRIS in a Nutshell



# What is euroCRIS?

An international not-for-profit association of experts and users of research information and research information systems (CRIS)

## Mission

To advance Interoperability in the Research Community through **CERIF Common European Research Information Format**

## CERIF

Development and governance of the CERIF data model and promotion of its use

## Task Groups

- 1) CERIF
- 2) Architecture & Development
- 3) Best Practice & DRIS
- 4) CRIS-IR
- 5) Indicators

## Events

**Strategic Membership Meetings**  
(twice a year)  
&  
**Conferences**  
(every 2 years)

June 8-11, 2016 – St. Andrews (Scotland, UK)  
More info [here](#)



## Recent News

**Preliminary programme  
CRIS2016 now available**

04-14-2016

## CRIS2016 Conference, June 8-11 2016, St Andrews, Scotland, UK

From 8-11 June, 2016, euroCRIS will organise, in close collaboration with the university of St Andrews, the 13th International Conference on Current Research Information Systems: CRIS2016. The conference will be held in

## Mission

"To advance interoperability in the research community through CERIF"

# The euroCRIS Network

**>200  
Members**

**45  
Countries**

**13  
Strategic  
Partners**



# CERIF

Common European Research Information Format

# CERIF: Common European Research Information Format

An international standard relational data model for storage and interoperability of research information

Official EU Recommendation to Member States



**CERIF**

Standard exchange format (CERIF-XML) for interoperability between systems

Reference model for the development of Research Information Systems (CRIS)



# Strong points of CERIF

CERIF is a comprehensive “legobox” of research information metadata



## Broad Coverage

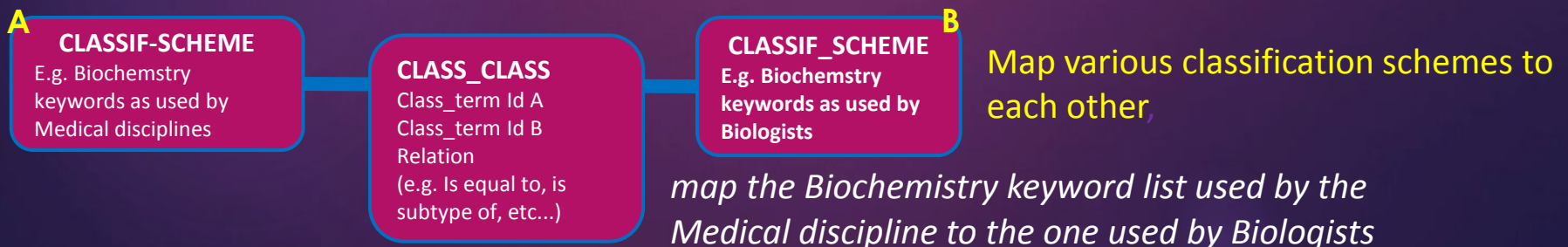
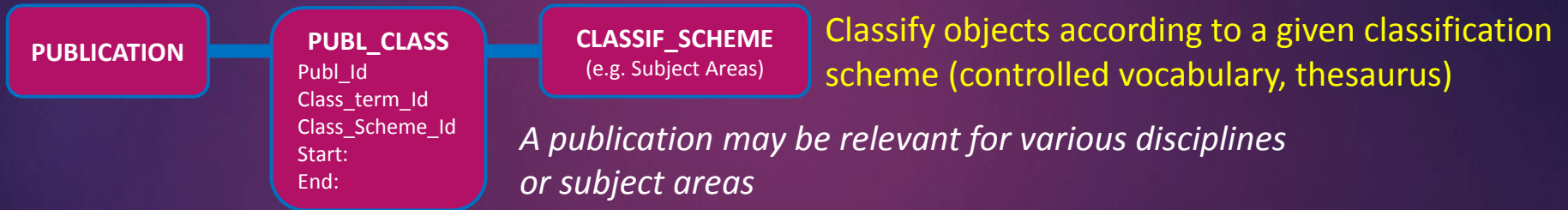
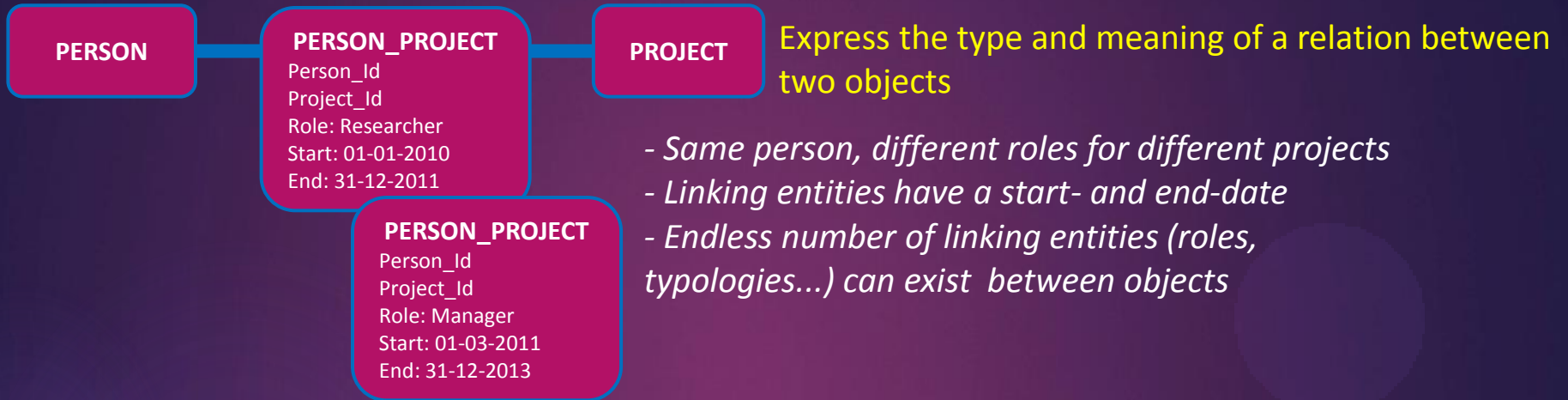
- Projects
- Persons
- Organisations
- Funding
- Publications
- Datasets
- Patents
- Products
- Bibliometrics
- Impact Indicators
- Equipment
- ...

## Fine-grained structure & flexible architecture

- Input/Output of any (meta)data format
- Expression (= translation) of any formalised use case
- Ingestion of an unlimited number of controlled vocabularies (semantic layer)



# Key feature of CERIF: Linking Entities



**Widely recognized as a standard storage model for research information metadata and a standard for interoperability of research information (CERIF-XML)**

## **OpenAIRE Guidelines for CRIS Managers based on CERIF-XML**

The OpenAIRE Guidelines for CRIS Managers version 1.0, together with the accompanying material, is available at <http://doi.org/10.5281/zenodo.17065>.

**STOA-Report: *Measuring Scientific Performance for Improved Policy Making*, p. 14.**

**The feasibility of a European integrated research information infrastructure**

We conclude that a European Integrated Research Information Infrastructure is technically feasible, thanks to recent technological developments and especially the maturity of the European CERIF standard, which allows seamless interlinking of datasets and/or research information systems, in different formats and including non-CERIF systems.

# The CRIS/IR Survey



# The CRIS/IR Task Group



CRIS-IR  
Task Group

The **CRIS-IR Task Group** aims at furthering the science and technology of the linkage between CRIS and repositories and specifically open access institutional repositories of publications

Joint euroCRIS-EUNIS **Survey on CRIS and IR systems** across Europe. The final report is available here:  
<http://www.eurocris.org/sites/default/files/files/cris-report-ED%281%29.pdf>

**Interoperability between National CRISs and National Repository Network:** a CRIS/IR interoperability workline for implementing Open Access (OA) in countries where there's little or no repository infrastructure

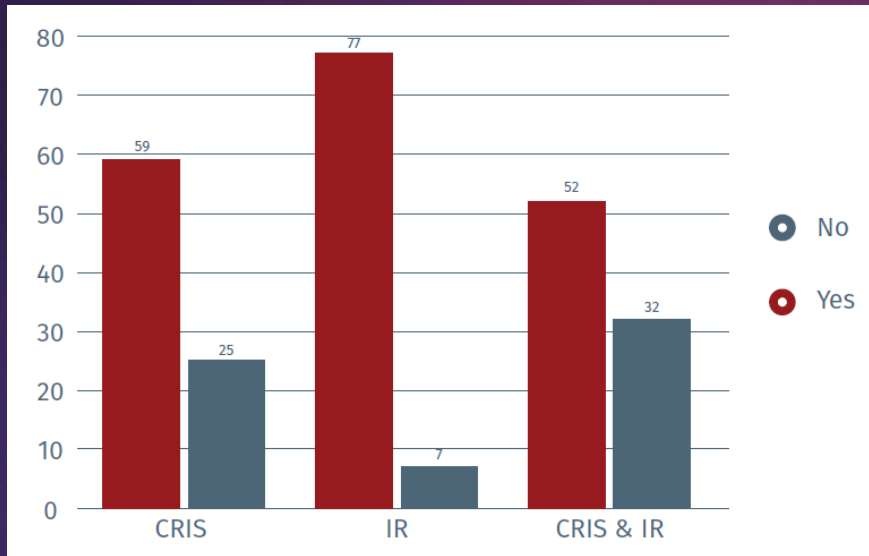
# The CRIS-IR Survey



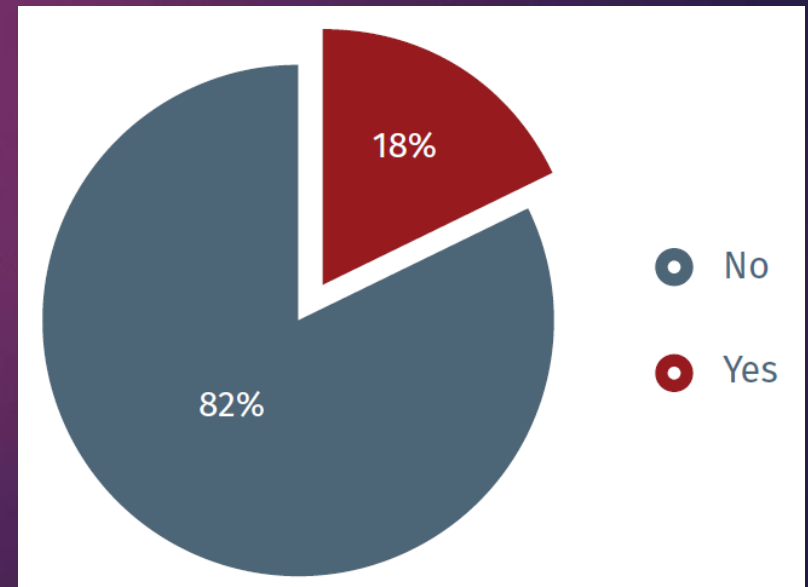
20 Countries



84 Institutions



It is interesting to observe that 62% of institutions have both a CRIS and an IR.



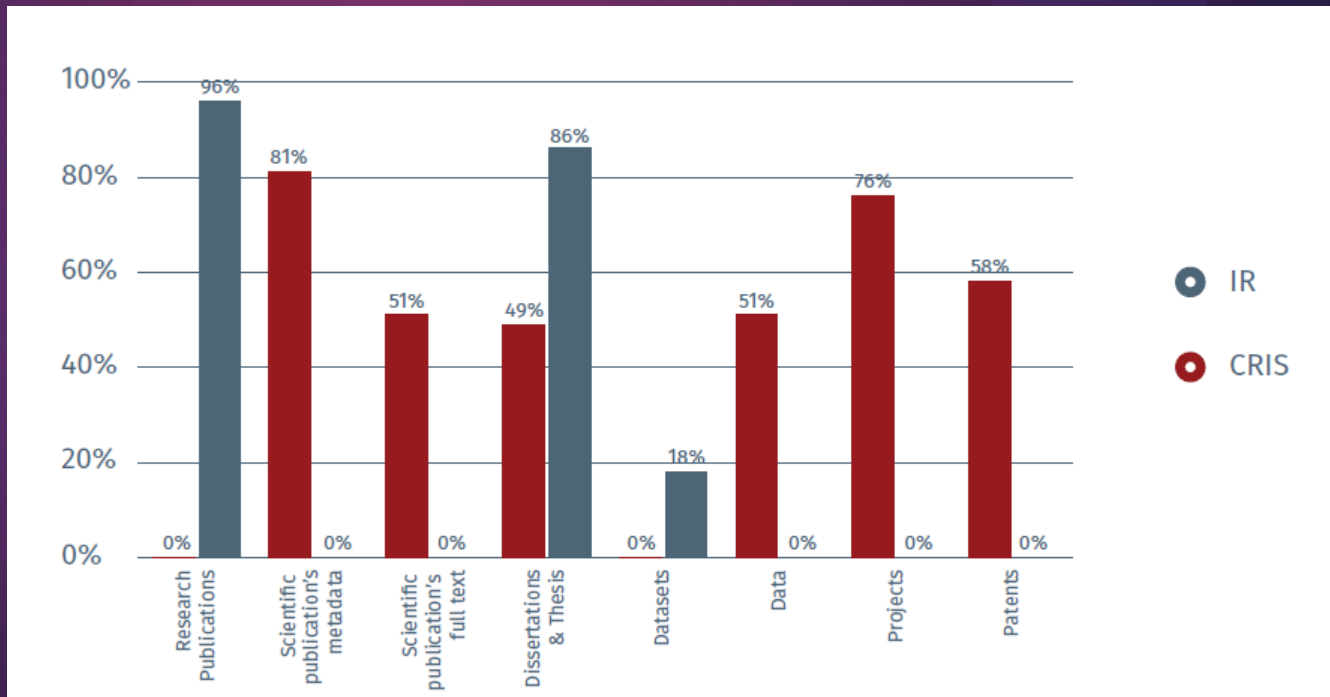
In the 18% of the cases where both CRIS and IR systems are available a single software platform is used for both

# CRIS/IR Survey: Type of Content

Are the two systems overlapping in their functionalities?

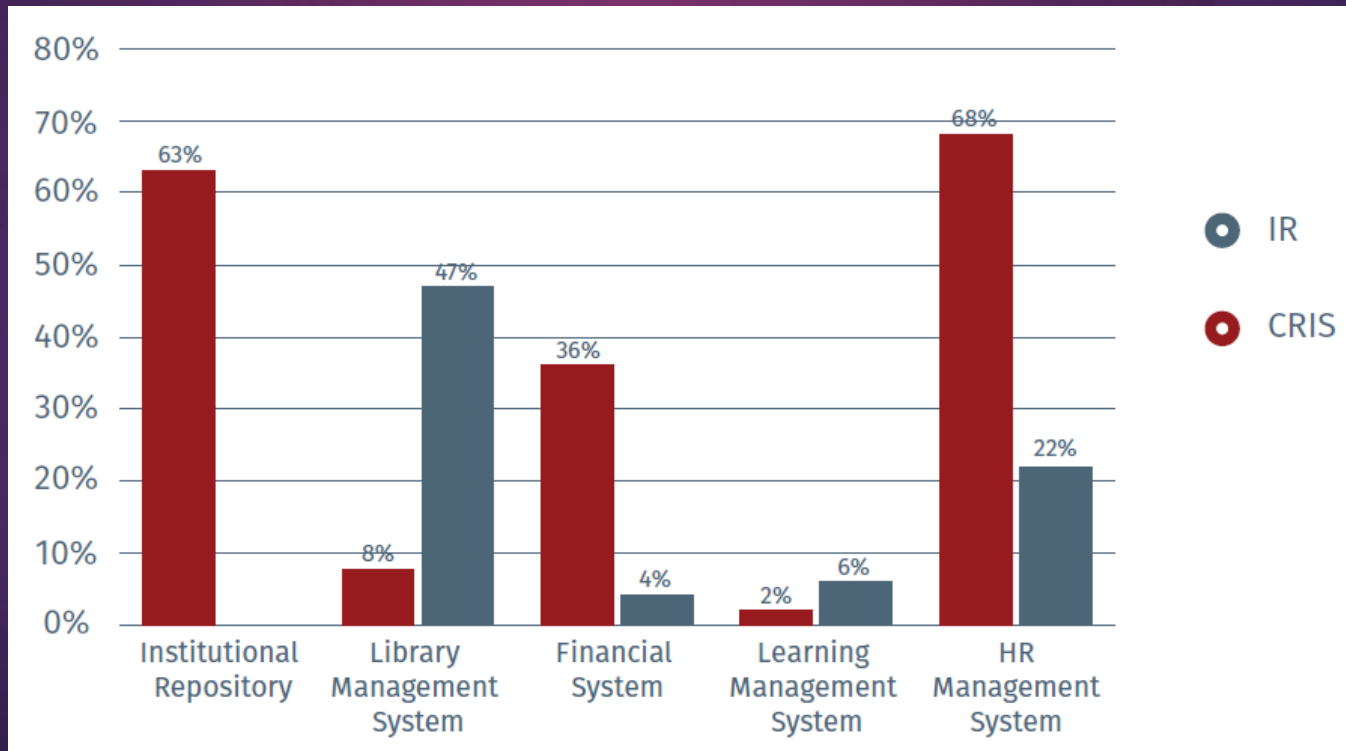
The two systems are clearly complementary

while IRs are the preferred ones for managing publications, dissertations and datasets, CRISs are regularly chosen for managing all the remaining data.



# CRIS/IR Survey: Link to Internal Systems

- Almost 65% of the institutions have linked their CRIS and their IR
- CRISs are the preferred systems to link to legacy systems
- There is still very little integration with Learning Management Systems

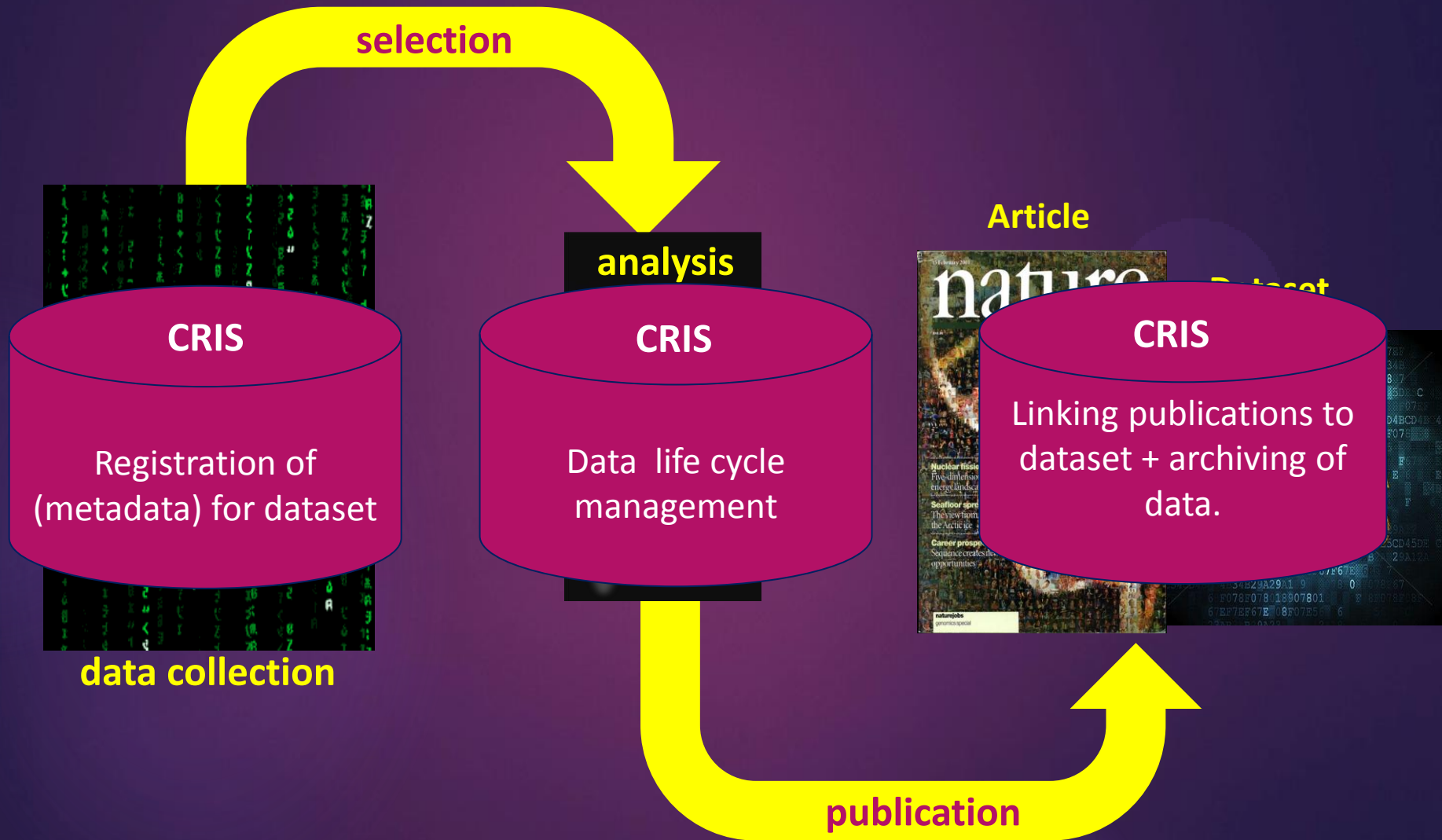




# The future of Research Information

## Research Data Management and Archiving

# Research Data: role of CRIS





# The future of Research Information

## Management of Multi-dimensional Researcher Portfolio

# Towards multi-dimensional research(er) evaluation and monitoring tools

## The issue

- Growing questioning of the “traditional” bibliometrics

## A possible solution

- Combination of an extensive set of quantitative and qualitative indicators, altmetrics, narratives to give a complete picture of a researcher’s expertise, skills, experience, performance and impact

## The challenge for a CRIS

- Integrate all these aspects and various types of data into their systems

# Towards a DRE/VRE?

The **Digital Research(er) Environment** is an extensive toolbox covering all information and management aspects of the research life cycle including research production tools

## DRE – My Active Studies (1)

Jan Janssen, your Active Study Test 04

[View data \(report\)](#)

[Import data](#)

[Import from local source](#)

1. Find file:  [format detected](#)
2.  Use first row as field names  
 Assign automatic field names
3. [Import](#)
4. [View imported data](#)

[Export data](#)

[Go to datamanagement system](#)

[Close Study](#)

Home > My Active Studies > Study Test 04 > Export data

### PaNaMa Overview

- ✓ Datamanagement plan
- ✓ Analysis plan [document](#)
- ✓ Lokale Uitvoerbaarheid
- ✓ CMD (light) approval
- ! Budget approval [data](#)
- ! No. of participants 200
- ! Data quality check
- ! Monitoring
- ! Data integrity check

## DRE – My Budgets

Test 04

due-date: **25-06-2014**

Item	Units	Unit cost	Budget	Grant budget	PL
<b>Personnel</b>				70.000	
J. Jansen	200	150		40.000	
Research Assist Type 4	400	75	30.000	30.000	
<b>Material</b>			20.000	5.000	?
<b>Data</b>			20.000	0	
<b>Total</b>			100.000	75.000	

Er is een maximum van €30.000 = 125 uur

[Quick links](#) | [need help](#) | [Epic Userweb](#) | [cohort selection](#) | [budget](#) | [datamanagement system](#) | [reports](#) | [an](#)

## DRE – My Analysis Platform

Jan Janssen, your Study Test 04

[Choose software](#)

[Install software](#)

[Choose study](#)

[Load clinical data](#)

[Load questionnaires](#)

[Load lab data](#)

[Load images](#)

[Store analysis](#)

[Export analysis](#)

[Share analysis](#)

The screenshot shows the 'DRE – My Analysis Platform' interface. It features a main plot area displaying a chromatogram with multiple colored peaks. Below the plot, there is a table with columns for 'Retention Time', 'Peak', 'Height', 'Area', and 'Abundance (Mean)'. The table contains several rows of data points. On the right side, there is a sidebar with various tool icons and settings.



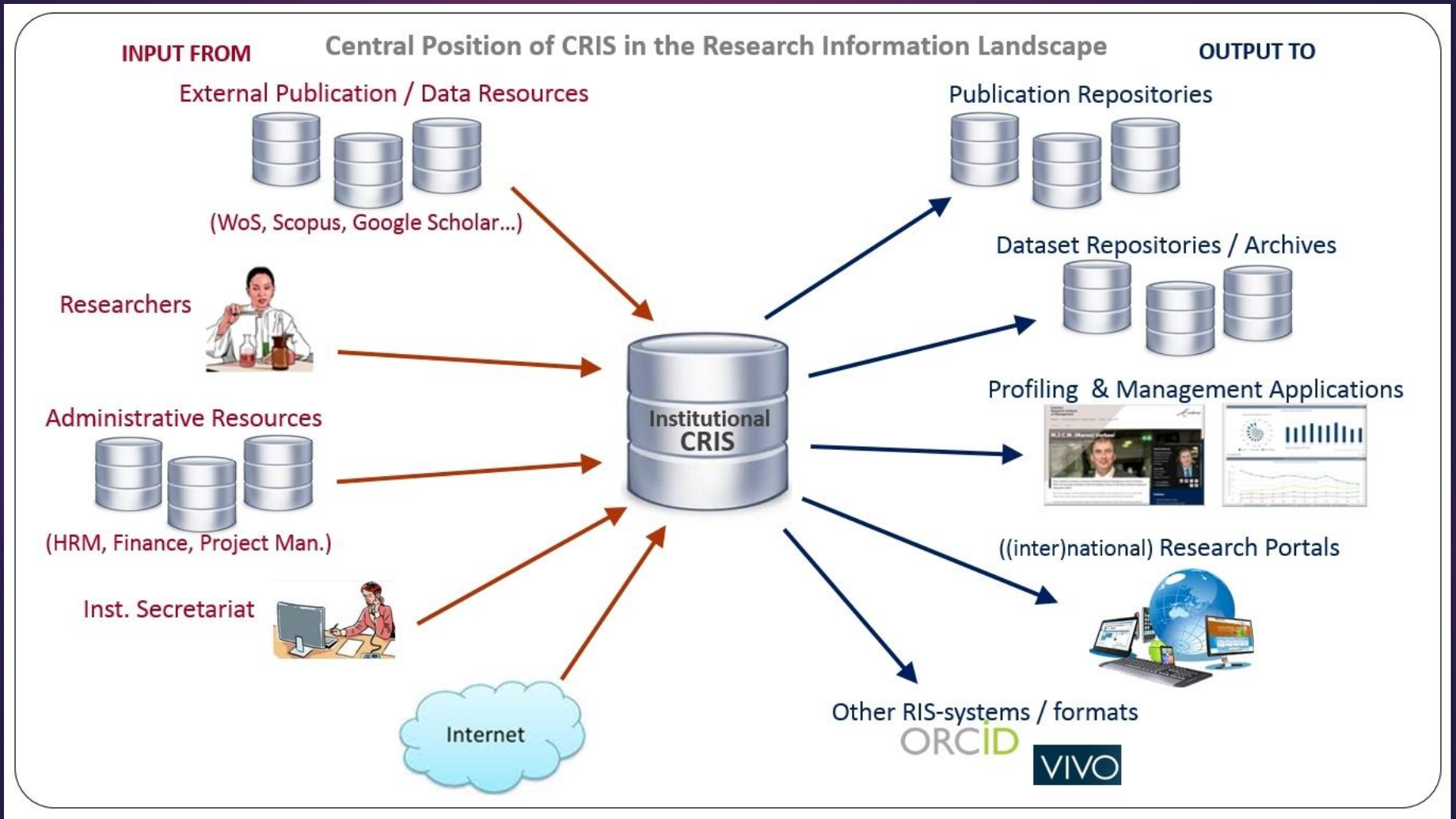
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# The future of Research Information Research Information Infrastructures

# Research Information Infrastructure

integration | networked structure | interoperability standards  
**Identifiers | vocabularies | exchange format**





**Thank you very much for your attention!**

**INCONECSS**

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