An Updated Snapshot of the CRIS Landscape

EARMA CONFERENCE PRAGUE
APRIL 24-26 2023

#EARMAconference

EARMA
EUROPEAN ASSOCIATION OF
RESEARCH MANAGERS AND ADMINISTRATORS

Jan Dvořák

President

euroCRIS

jan.dvorak@ff.cuni.cz

https://orcid.org/0000 - 0001 - 8985 - 152X

euro CRIS
THE INTERNATIONAL ORGANISATION
FOR RESEARCH INFORMATION

Also Contributed to this Presentation

Pablo de Castro https://orcid.org/0000-0001-6300-1033

Technical Secretary, euroCRIS
University of Strathclyde Glasgow

Sadia Vancauwenbergh https://orcid.org/0000-0002-5201-8101

Board Member, euroCRIS
Hasselt University

Sebastian Herwig https://orcid.org/0000-0003-0488-386X

Board Member, euroCRIS
Head of Research Information Management, University of Münster

euro CRIS THE INTERNATIONAL ORGANISATION FOR RESEARCH INFORMATION

A not-for-profit association of research information management professionals

Est. 2002

Strategic Partners

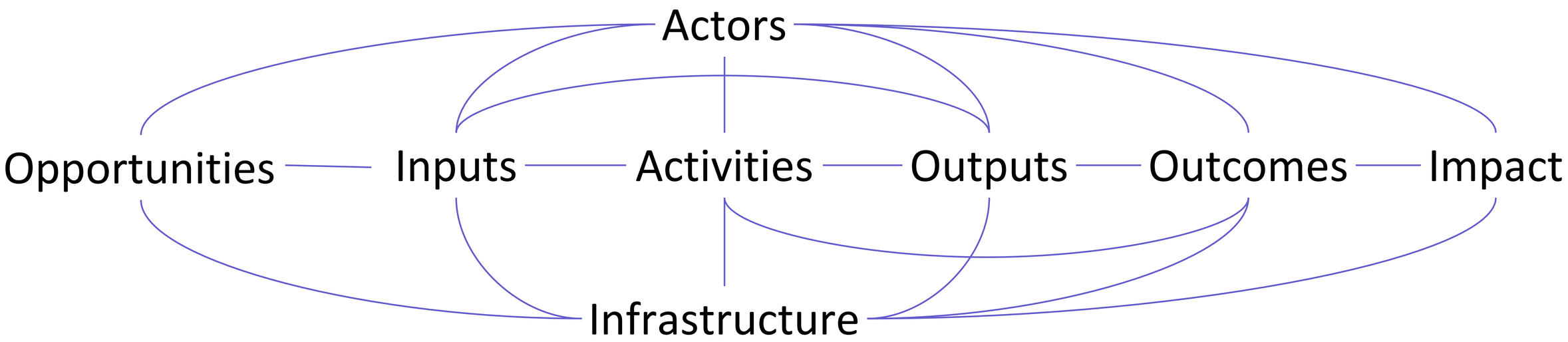
EARMA EUROPEAN ASSOCIATION OF RESEARCH MANAGERS AND ADMINISTRATORS

my other affiliations:

CRIS analyst & developer @ CTU CZECH TECHNICAL UNIVERSITY IN PRAGUE Information Systems and Technology

Researcher & lecturer @ INSTITUTE OF INFORMATION STUDIES AND LIBRARIANSHIP Faculty of Arts Charles University

Research Information



interconnected

global

What is a CRIS?

Current Research Information System

- (a.k.a. RIMS = Research Information Management System)
- current —> of current interest

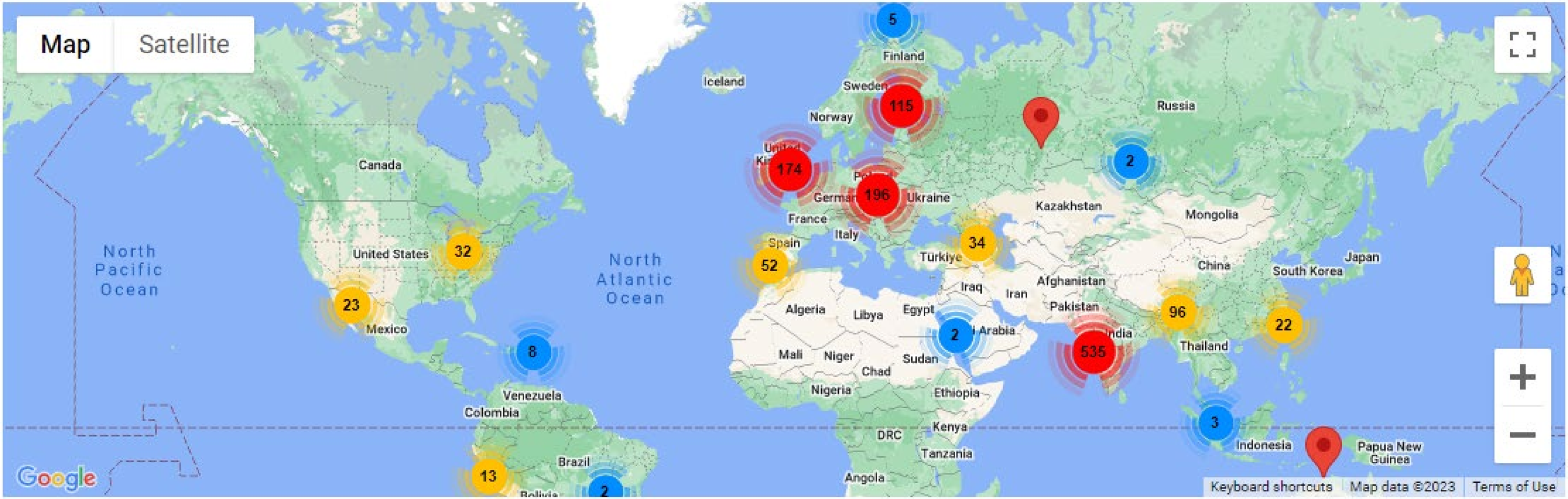
… to store, manage and exchange
contextual metadata for research activities
funded by research funder
or conducted at a research performing organization
(Wikipedia entry " Current research information system " ver. 2022 - 10- 03T03:30Z)

Functions:

- Visibility — showcasing, making research findable
- Planning & reporting
  - External – funding agency, national/regional CRIS
  - Internal – institutional research landscape, evidence - based decision making

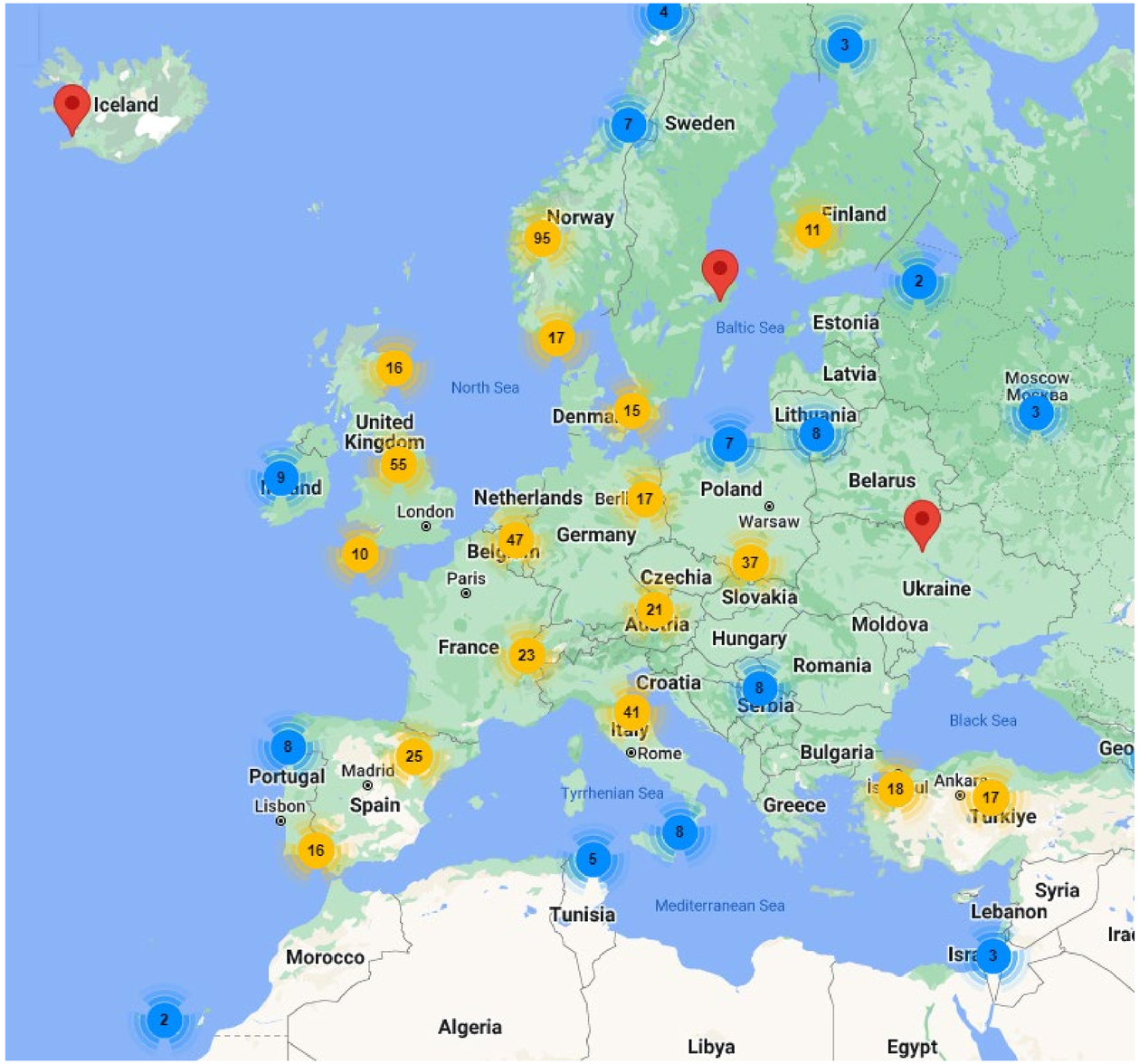
DRIS: The Directory of Research Information Systems

Created and operated by euroCRIS



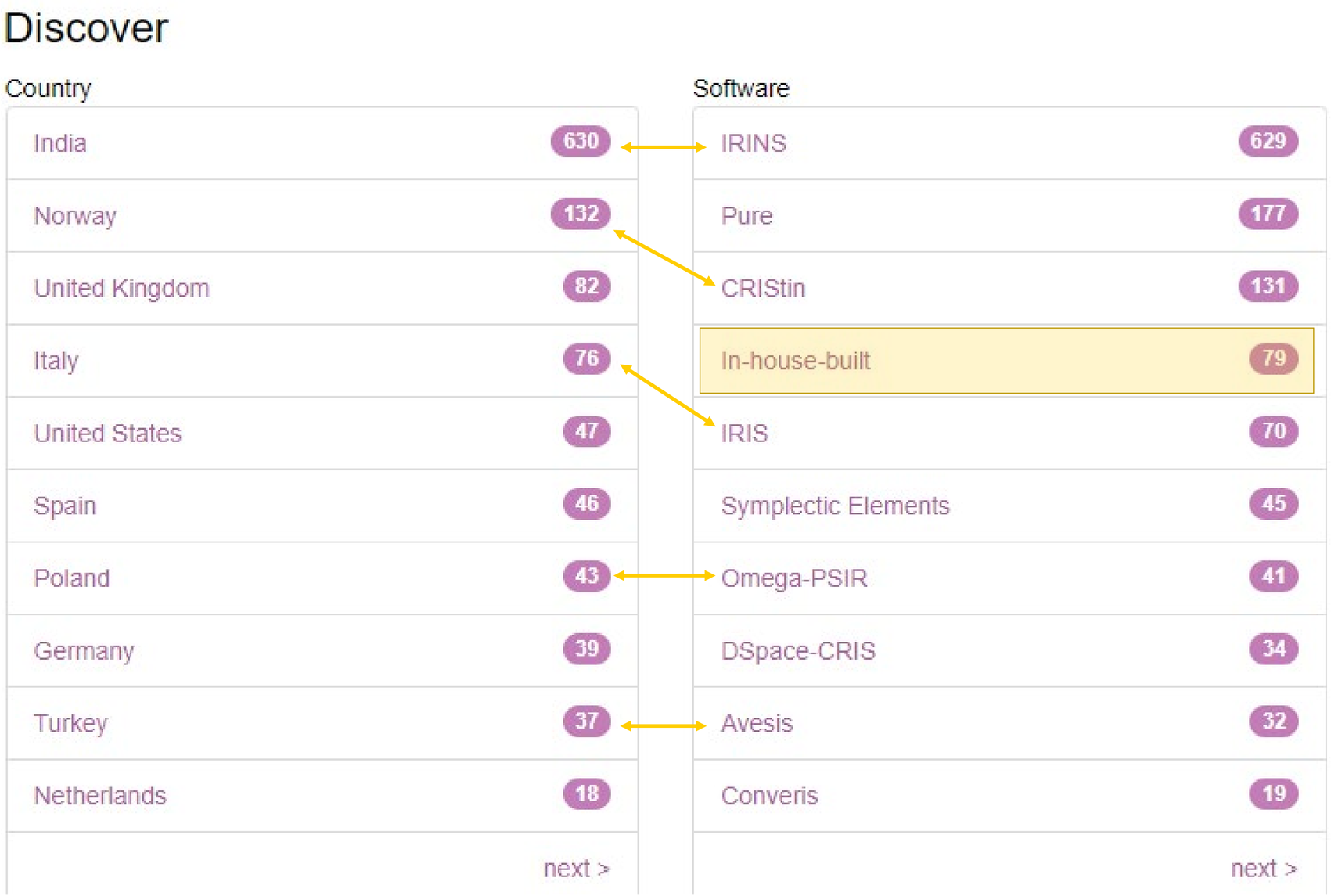
https://dspacecris.eurocris.org/cris/explore/dris

Europe @ DRIS



https://dspacecris.eurocris.org/cris/explore/dris

Country & Platform Frequencies in the DRIS



https://dspacecris.eurocris.org/cris/explore/dris

CRIS Landscape: Germany

Search the DRIS

for (Germany) Go Start a new search

› Add Filters

Results 11-20 of 39 (Search time: 0.001 seconds).
Results/Page 10 | **Sorted by** Relevance

previous 1 2 3 4 next

DRIS Entries

Acronym	Name	Scope	Organisation
	HU-FIS	*Institutional*	Humboldt-Universität zu Berlin
	GRIS	*Institutional*	GESIS - Leibniz-Institut für Sozialwissenschaften
	FIS Osnabrück	*Institutional*	Universität Osnabrück
	FIS Greifswald	*Institutional*	Universitätsmedizin Greifswald
TORE	TUHH Open Research	*Institutional*	Hamburg University of Technology
HeFIS	HeFIS-Verbund	*Institutional*	N/A
	FIS HSZG	*Institutional*	Hochschule Zittau/Görlitz
FIS UHH	Research Information System Uni Hamburg	*Institutional*	Universität Hamburg
	TIB VIVO	*Institutional*	Technische Informationsbibliothek (TIB)
LUH FIS	Leibniz University Hannover Research Information System	*Institutional*	Leibniz Universität Hannover

Discover

By type

Research Outputs	214
Organizations	59
People	1
DRIS	39
Events	4
CERIF Semantics	1
Others	1

Country

Germany	39

Software

In-house-built	11
Pure	8
DSpace-CRIS	6
Converis	5
HISinOne-RES	3
VIVO	3
Eprints	1
Symplectic Elements	1

Software

In-house-built	11
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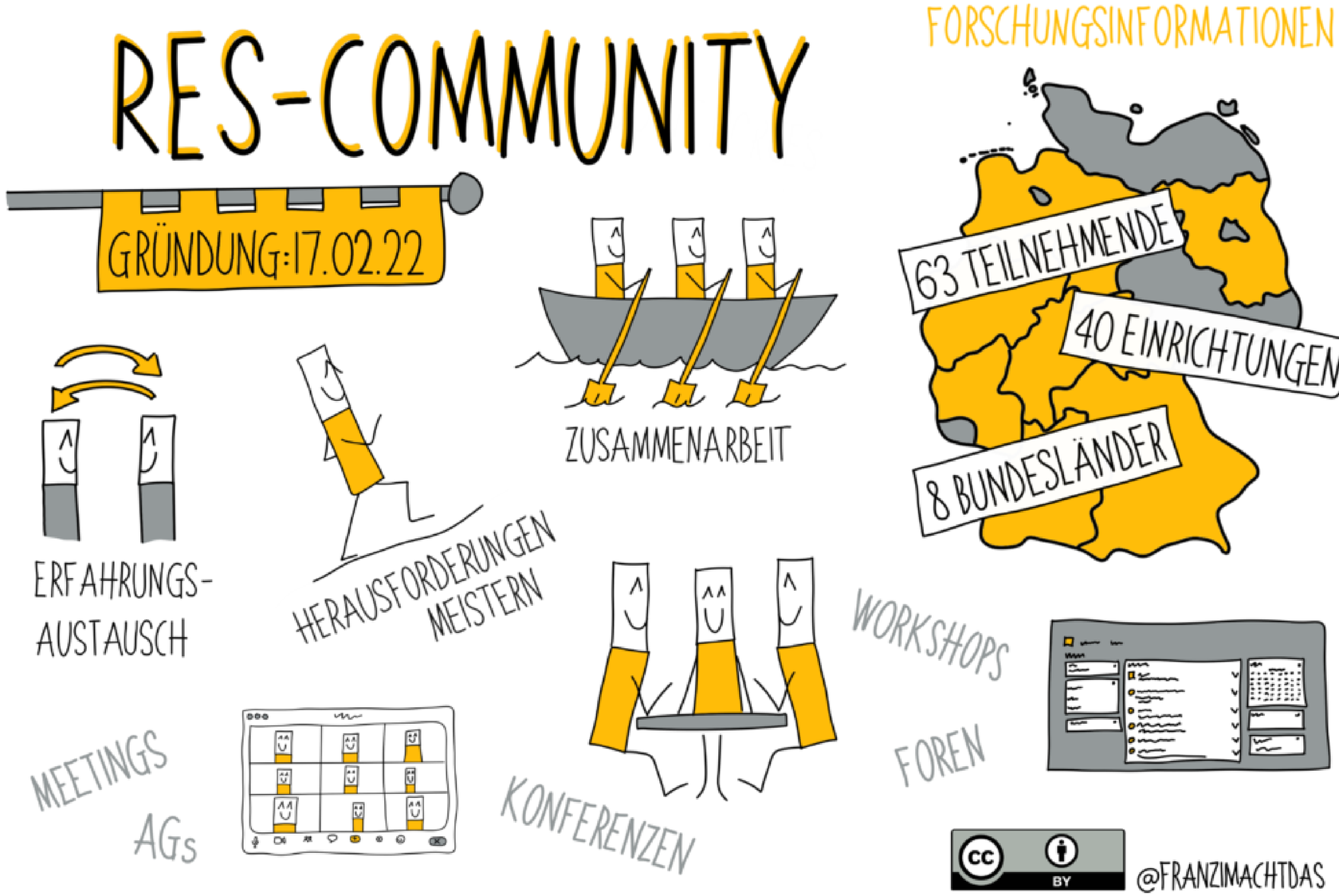
Eprints	1
Symplectic Elements	1

CRIS Landscape: Germany: HISinOne - RES



Example of a particular CRIS solution User Group

https://www.uni-muenster.de/CRIS.NRW/community/2022-resco.html

CRIS Landscape: Turkey

DRIS Entries

Acronym	Name	Scope	Organisation
	IZTECH GCRIS	*Institutional*	Izmir Institute of Technology
	TOBB ETU GCRIS Database	*Institutional*	TOBB University of Economics and Technology
	ESTU GCRIS Database	*Institutional*	Eskişehir Technical University
	KTUN GCRIS Database	*Institutional*	Konya Technical University
	TED University Annual Faculty Reporting System	*Institutional*	TED University
METU - Avesis	Middle East Technical University Research Information System	*Institutional*	Middle East Technical University
ERU - Avesis	Erciyes University Research Information System	*Institutional*	Erciyes University
Gazi - Avesis	Gazi University Research Information System	*Institutional*	Gazi University
Ankara - Avesis	Ankara University Research Information System	*Institutional*	Ankara University
ITU - Avesis	Istanbul Technical University Research Information System	*Institutional*	Istanbul Technical University

By type

DRIS	37

Country

Turkey	37

Software

Avesis	32
DSpace-CRIS	4
Symplectic Elements	1

Status

Operational	37

CRIS Landscape: Spain

DRIS Entries

Acronym	Name	Scope	Organisation
	Acceda	*Institutional*	University of Las Palmas de Gran Canaria (ULPGC)
SISIUS	Sistema de Información Sobre Investigación en la Universidad de Sevilla	*Institutional*	Universidad de Sevilla
PRC	PRC (Catalan Research Portal/Portal de la Recerca de Catalunya)	*Regional*	Consortium for Services to Catalan Universities (CSUC)
SICA	SICA (Andalusian Research Information System)	*Regional*	Andalusian Regional Government (Junta de Andalucía)
FUTUR	FUTUR	*Institutional*	Universitat Politècnica de Catalunya
PPC UPF	Portal de la Producció Científica UPF	*Institutional*	Pompeu Fabra University (UPF)
GREC UB	GREC UB (Gestió de la Recerca)	*Institutional*	University of Barcelona (UB)
GREC UdG	GREC UdG	*Institutional*	University of Girona (UdG)
GREC UIB	GREC UIB	*Institutional*	University of the Balearic Islands (UIB)
IRIS_URV	Sistema d'Informació de la Recerca i la Innovació URV	*Institutional*	University Rovira Virgili (URV)

Andalucía)

FUTUR FUTUR *Institutional* Universitat Politècnica de Catalunya

By type

DRIS	49

Country

Spain	49

Software

Dialnet CRIS	21
In-house-built	13
SIGMA Research	4
DSpace-CRIS	3
iMarina	3
UXXI-INV	3
Pure	1
Rhizomer	1

International vs Country - specific

Intl Proprietary

- Pure
- Converis
- Esploro
- Symplectic Elements
- Vidatum (Ireland)

Intl Open-Source

- DSpace-CRIS
- *VIVO*

Country-specific

- IRINS (India)
- IRIS (Italy)
- Avesis (Turkey)
- Omega-PSIR (Poland)
- HISinOne-RES (Germany)
- CampusOnLine (Austria)
- METIS (Netherlands)
- *OBD (Czechia)*

FAQ: Which CRIS product should we acquire and implement?

Criteria:

1. Support of research management processes
2. Reporting requirements in your country
3. Range of integrations (ORCID, WoS, Scopus, …)
4. Compatibility with your institution
5. Reputation of the vendor
6. User base and community

CRISs are socio-technical infrastructures

Joint euroCRIS/EARMA webinar on 2021-02-11:
RIM v RMA: Mutual areas of interest between Research Information Management (RIM) and Research Management and Administration (RMA) professionals

Session introduction by Pablo de Castro, euroCRIS

Presentations :

Sadia Vancauwenbergh (euroCRIS President)
Research Information Management

Simon Kerridge (EARMA)
Research Management and Administration

Lindsay Ramage (Edinburgh Napier University)
The view from an institution

Jon Hackney (Worktribe)
The vendor's perspective

40-60-min round table led by session chair with all presenters plus Erika Lilja (University of Turku, Finland)

Session slides Recording

The Challenges Ahead

Landscape near Paracas, Peru. Photo CC BY 4.0 Jan Dvořák.

for Research
&
for Research Management and Administration
&
for Research Information Management

All Kinds of Documents

Many research - related documents
beyond the scientific publications:

- Policies
- Memoranda
- Agreements
- Minutes
- Invoices

Stored in the CRIS or in specialized systems

-> CRISs have the metadata & pointers

Internal Information Protection

- Geopolitical situation dramatically different
- Global research workforce
- Working from home
- Use of electronic signatures / electronic seals (eIDAS) for process automation
- “Bring your own Device”
- Cloud solutions

- > Ensure sensitive data, information and knowledge is protected by as many measures as possible & practical

Artificial Intelligence in Research

- As subject of research
- As infrastructure for research
- As actor in research

Artificial Intelligence in Research

- As subject of research
  - AI development and testing
  - Making AI useful in the human world (incl. research)
  - The use of AI in the society (incl. research)
- As infrastructure for research
- As actor in research

Artificial Intelligence in Research

- As subject of research
- As infrastructure for research
  - Literature search & summarization
  - Automated labs
  - Large data analysis
  - Writing aid
    - Scientific publications
    - Project proposals & reports
    - Reviews
  - Reading aid
    - Scientific publications (by publishers, editors & reviewers)
    - Project proposals & reports (by funders & reviewers)
  - Assist in support roles
    - Research Assistants, Librarians, Data Stewards, Research Software Engineers, …
    - Research Managers
    - Research Administrators
- As actor in research

Audience interaction

How could an AI assistant meaningfully have helped you in the last month? 40

Audience interaction

What will be the most difficult to teach AI? 32

About your internal organization context

About the requirements of your funders

About the legislative context of research in your country

Artificial Intelligence in Research

- As subject of research
- As infrastructure for research
- As actor in research
  - Analyse datasets
  - Design experiments
  - Formulate hypotheses
  - …

- Future Impacts Largely Unknown
- Potential for Internal Research Information Disclosure
- Experimental

→ **Stress the Internal Information Non - Disclosure**
to researchers and support staff

→ **Insist on Documenting the Use of AI**
in all research-related processes

Summary

CRIS Landscape :

- International & in - country CRIS solutions
- Not all CRISs have a public portal

AI at the doorstep :

- Great opportunities
- New challenges for information protection
- Document what you do

THANK YOU

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