

Natalia Manola

Athena Research and Innovation Centre

Towards the realisation of a European Research Information Infrastructure The OpenAIRE view



euroCRIS Strategic Membership Meeting
Athens, 8-10 November, 2016



@openaire_eu



Fosters the **social** and **technical** to
facilitate the shift of scholarly
communication towards making
science **open** and **reproducible**

It's all about openness



OA is here to stay.
Policies and practices
hand in hand for a
sustainable OA

Policy alignment
& advising



Service provision
at all levels
for all stakeholders



Who we are

- In 24x7 operation since Dec 2010
 - OpenAIRE
 - OpenAIREplus
 - OpenAIRE2020
 - **A legal entity in 2017**
- Consortium of 50 partners

Open Access experts

- Institutional, national and international perspectives on OA policies & e-Infrastructures

Information & Computer Science experts

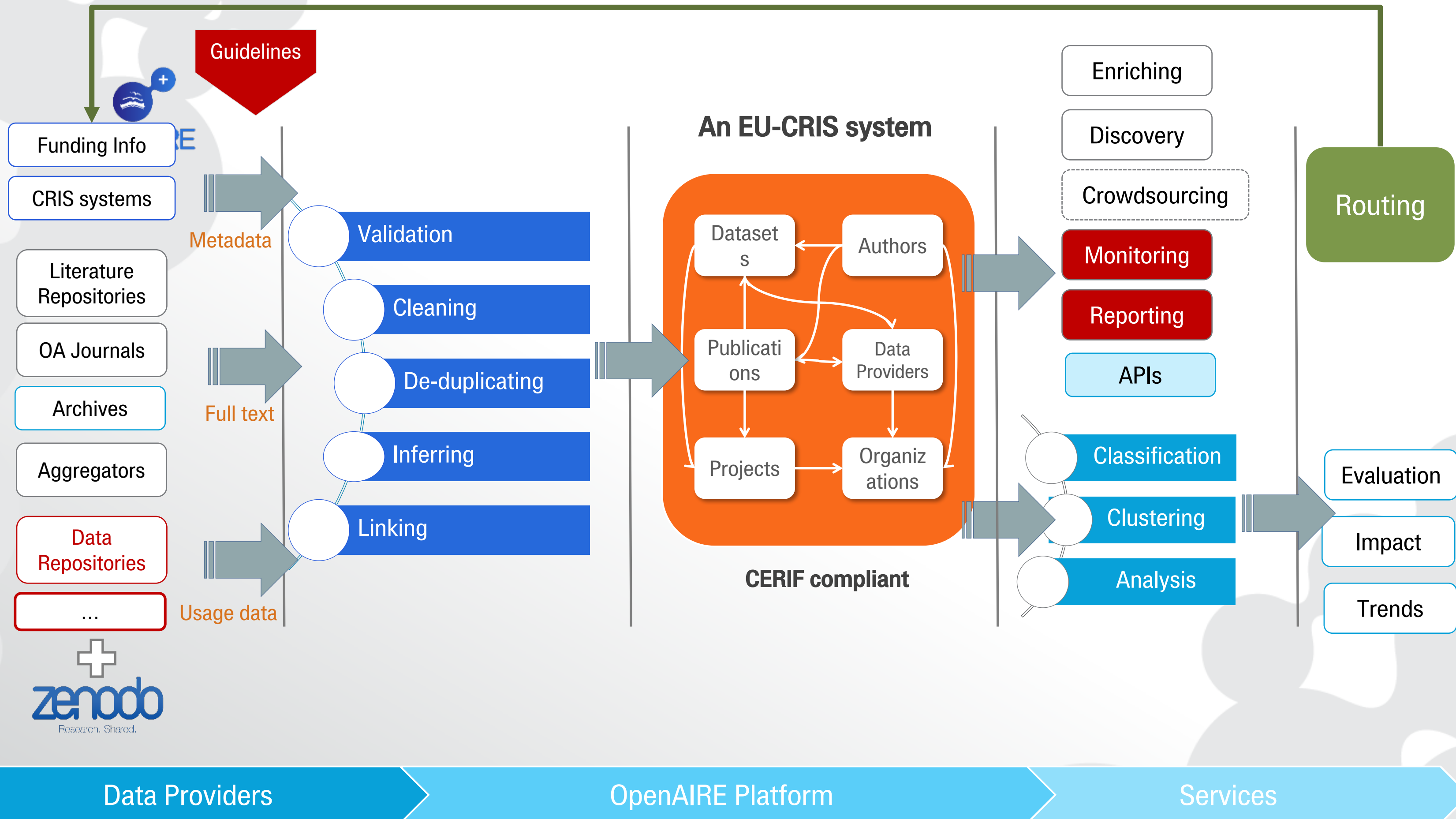
- Building efficient e-Infra technologies
- State of the art technologies (big data, linked data)

Legal experts

- Legal & policy recommendations

Data communities

- Best practices for data
- Linking to data infrastructures

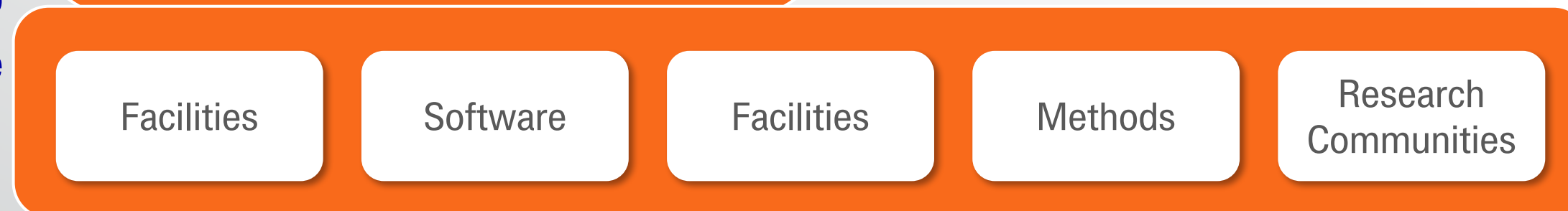


Integrated Scientific Information System



17.3 mi **unique** publications
 760+ **validated** data providers
 500K publications linked to **projects**
 from **12 funders**
 28 K datasets **linked** to publications
 or funders
 3.5K links to **software** repositories
 33K organizations

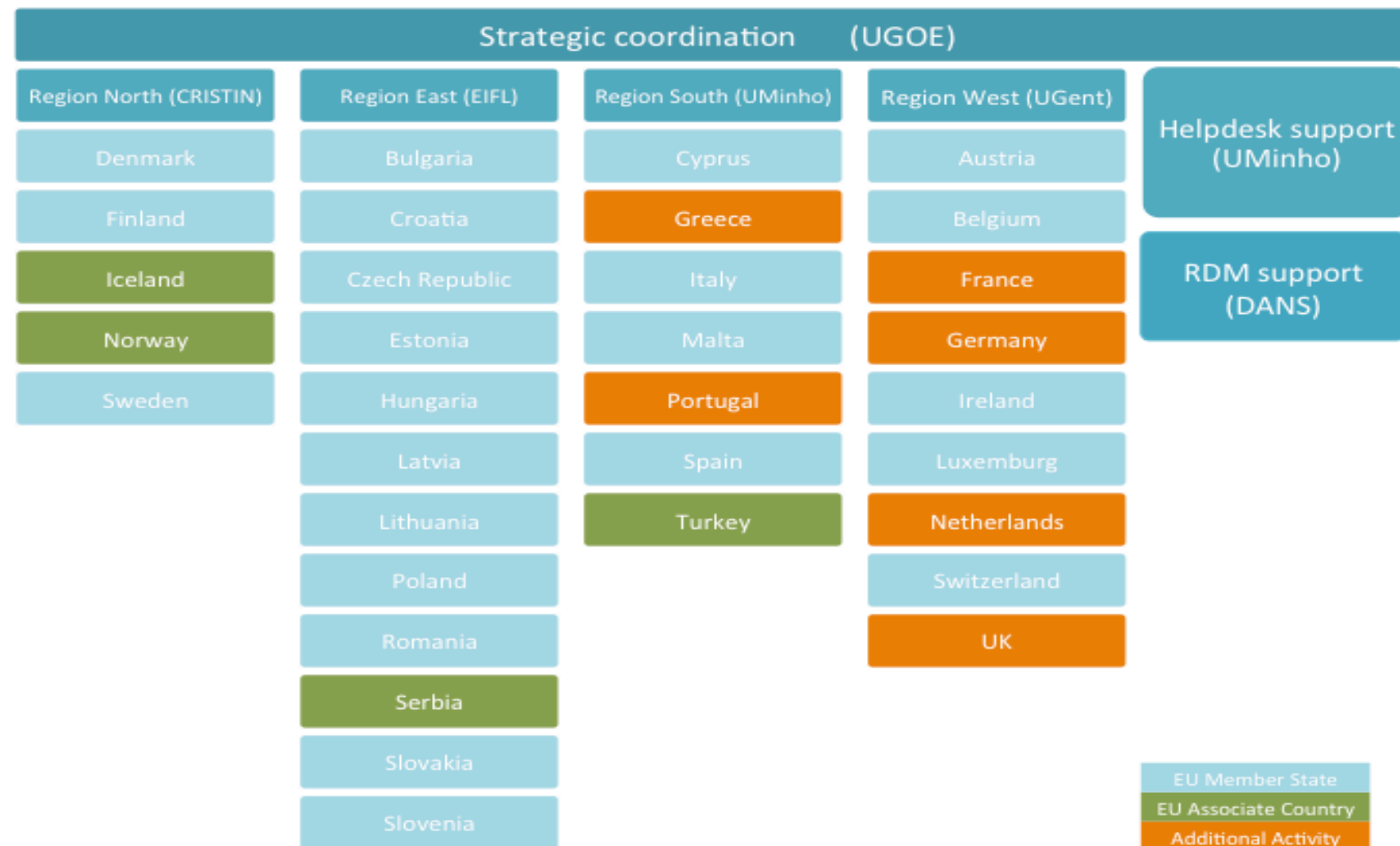
Moving to
 Open Science

OpenAIRE-Connect
 From January 2017

It's all about people

- Local support for Europe's diverse research landscape



Human support network

- 33 expert nodes all over Europe to helping with:
 - Open Science training & support
 - OA policy alignment
 - Technical assistance



World-wide alignment & synergies



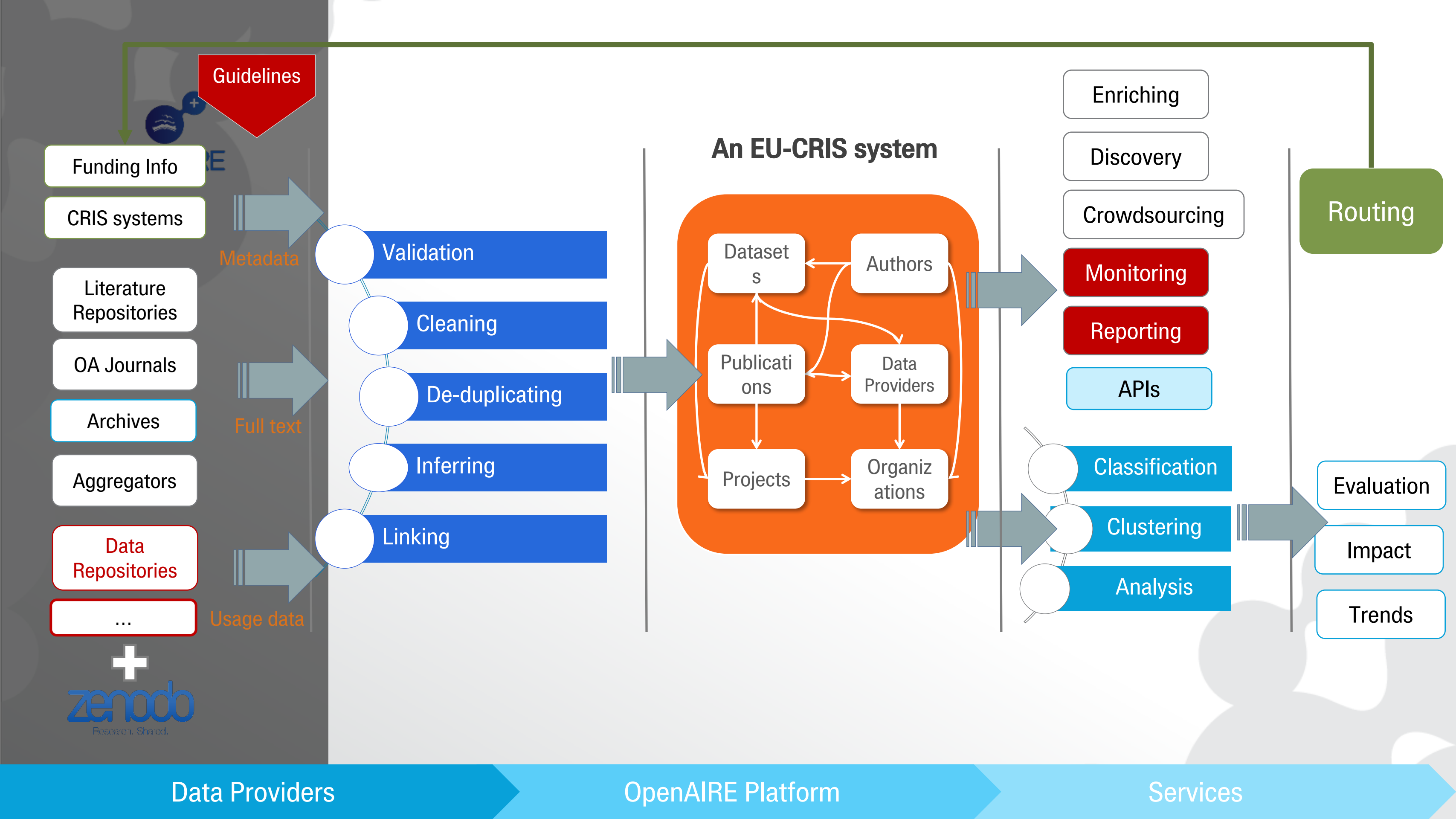
Red Mexicana
de Repositorios
Institucionales



Interoperability alignment, sharing technologies & services

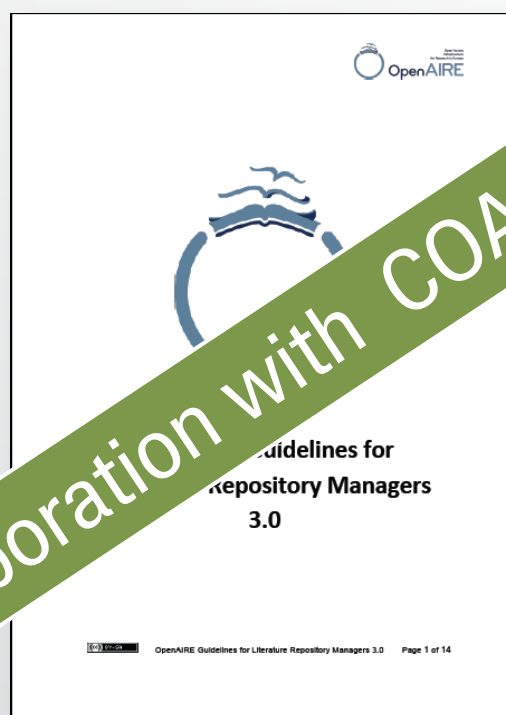
- La Refencia: Latin America repository network
- JAIRO – Japanese Institutional Repositories Online
- REMERI – Mexican Network of Institutional Repositories
- World Data Service – 70 data repositories around

our services



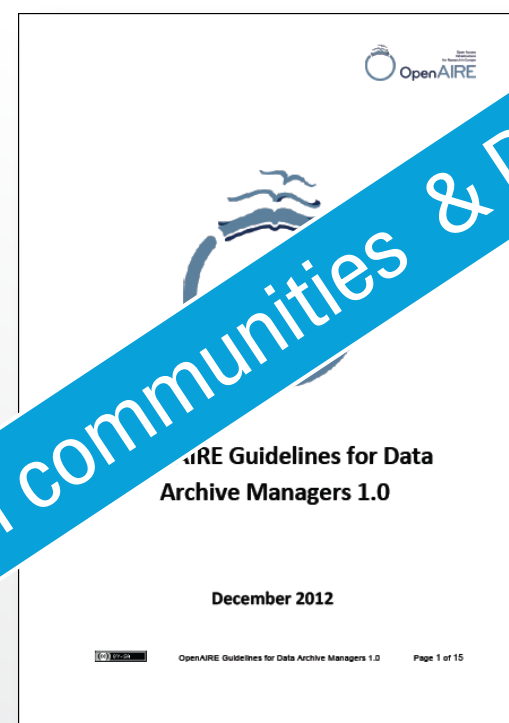
Guidelines

1 Guidelines for Literature Repository managers



Collaboration with COAR

2 Guidelines for Data Archive Managers



Work with communities & DataCite

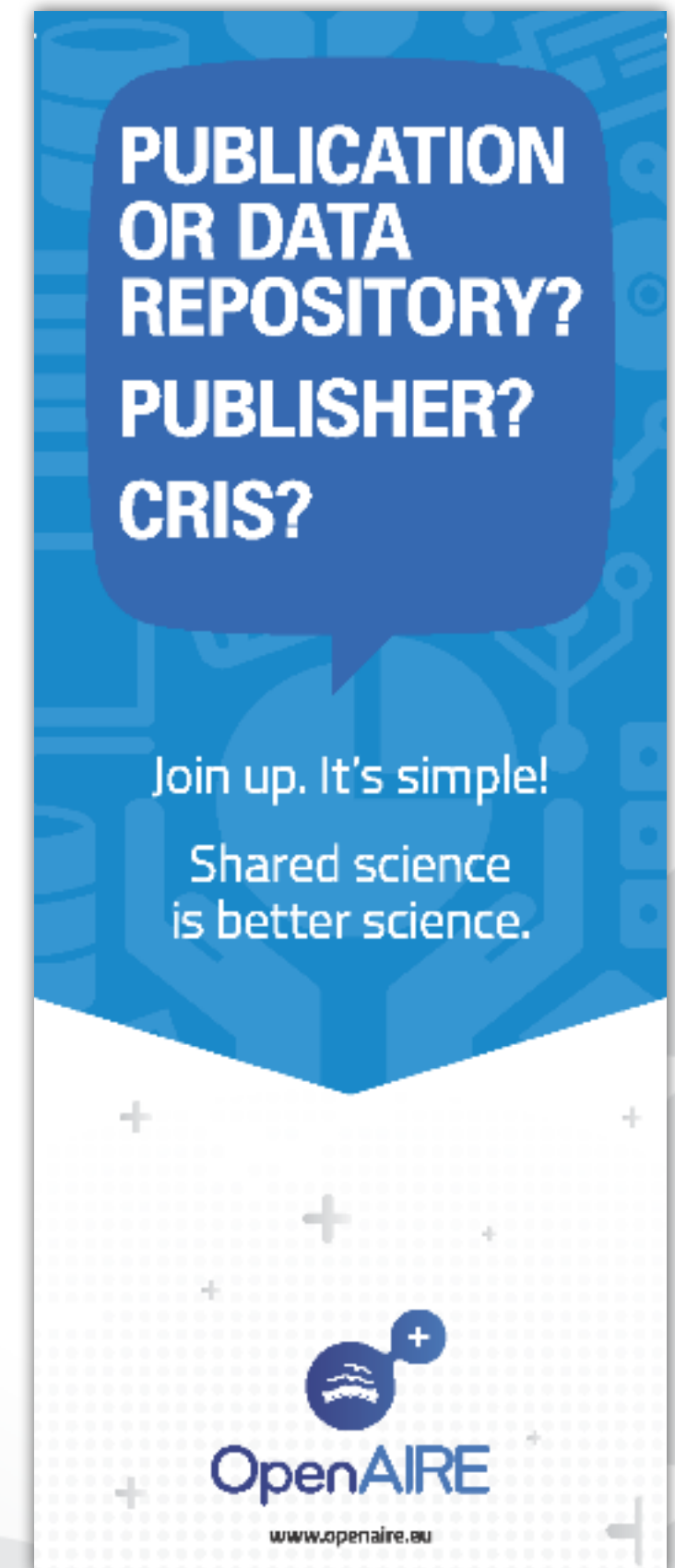
3 Guidelines for CRIS - CERIF-XML



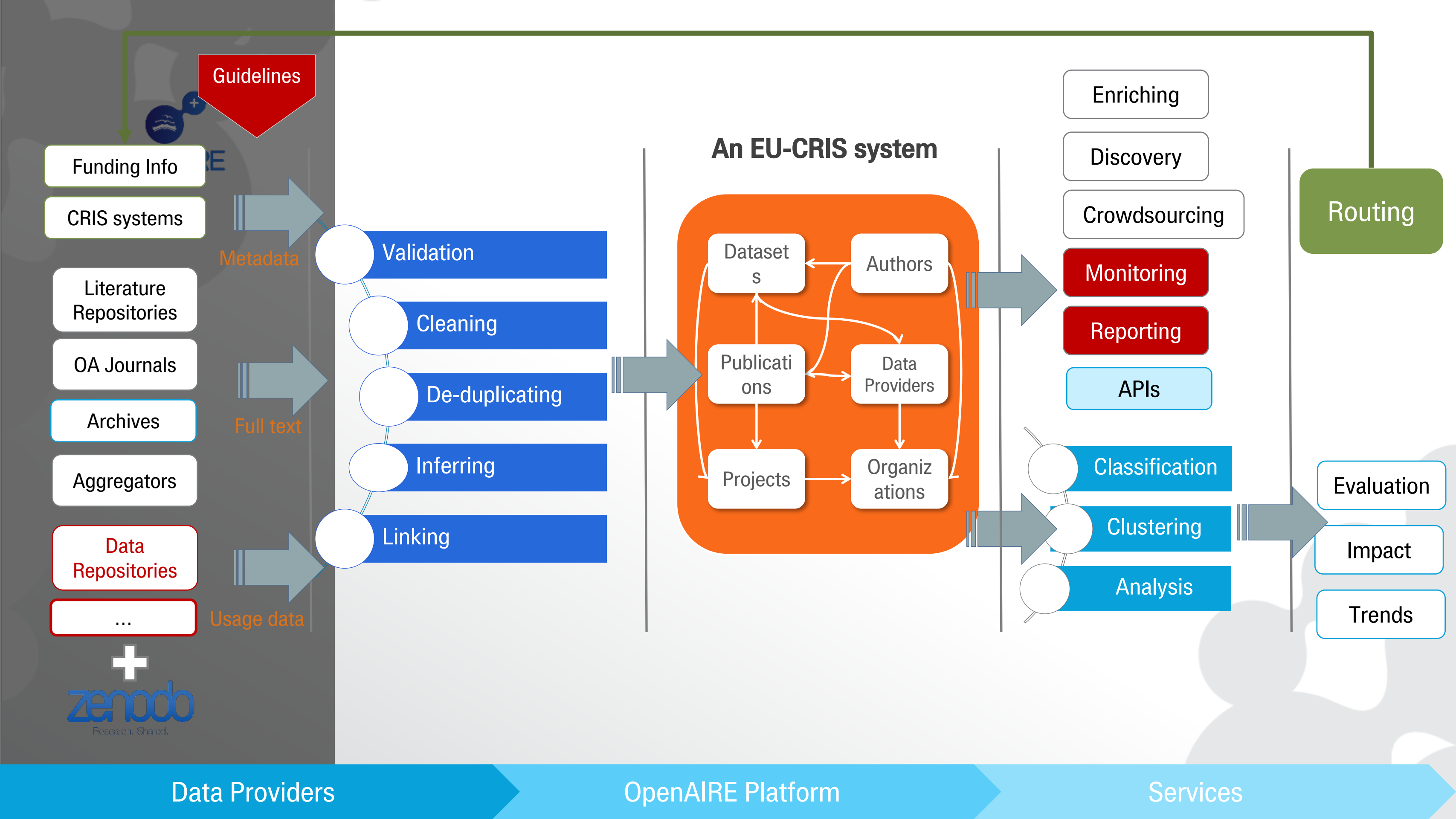
Work with EuroCRIS

For CRIS

- Goal - empower CRIS at institution and national level
- Challenge - **Interoperability**
 - Common vocabularies
 - Common representation of funding information
 - Common identifier schemes
 - People (authors, research managers)
 - Publications and Data Ids
 - Organization ids



validating



ONE STOP SHOP FOR ALL OPENAIRE SERVICES.

VALIDATE > REGISTER > SHARE > ENRICH > RE-USE

START HERE

CONNECT AND LINK

If your content is related to any aspect of research, then you should connect to the wider network of scholarly communication resources. This allows more visibility for you, better access for everyone else.

ENRICH YOUR CONTENT

We are a gateway to many other resources and can help you get more content that belongs to your repository via our Broker, or use our text mining services to enrich your metadata. Connect to other resources

LEARN YOUR IMPACT

Your content is used in a variety of ways that may not be visible all the time. Use the OpenAIRE analytics services to get a comprehensive suite of analytics services.

[Details »](#)

OPEN UP FOR TEXT MINING

OA publications are better used through advanced text and data mining processes. Researchers are

[Details »](#)

Data source validation



Repo Manager Admin
Repository Manager ▾

Dashboard

Register

Manage

Validate

Browse History

Enrich your Content

Metrics

★ Landing Page



Welcome to OpenAIRE's repository manager.



Log out

Run Compatibility Test

Home / **Run Compatibility Test**

Literature Repository

Validate Literature Repository

Lorem ipsum dolor sit amet, consectetur adipiscing elit...

Data Repository

Validate Data Repository

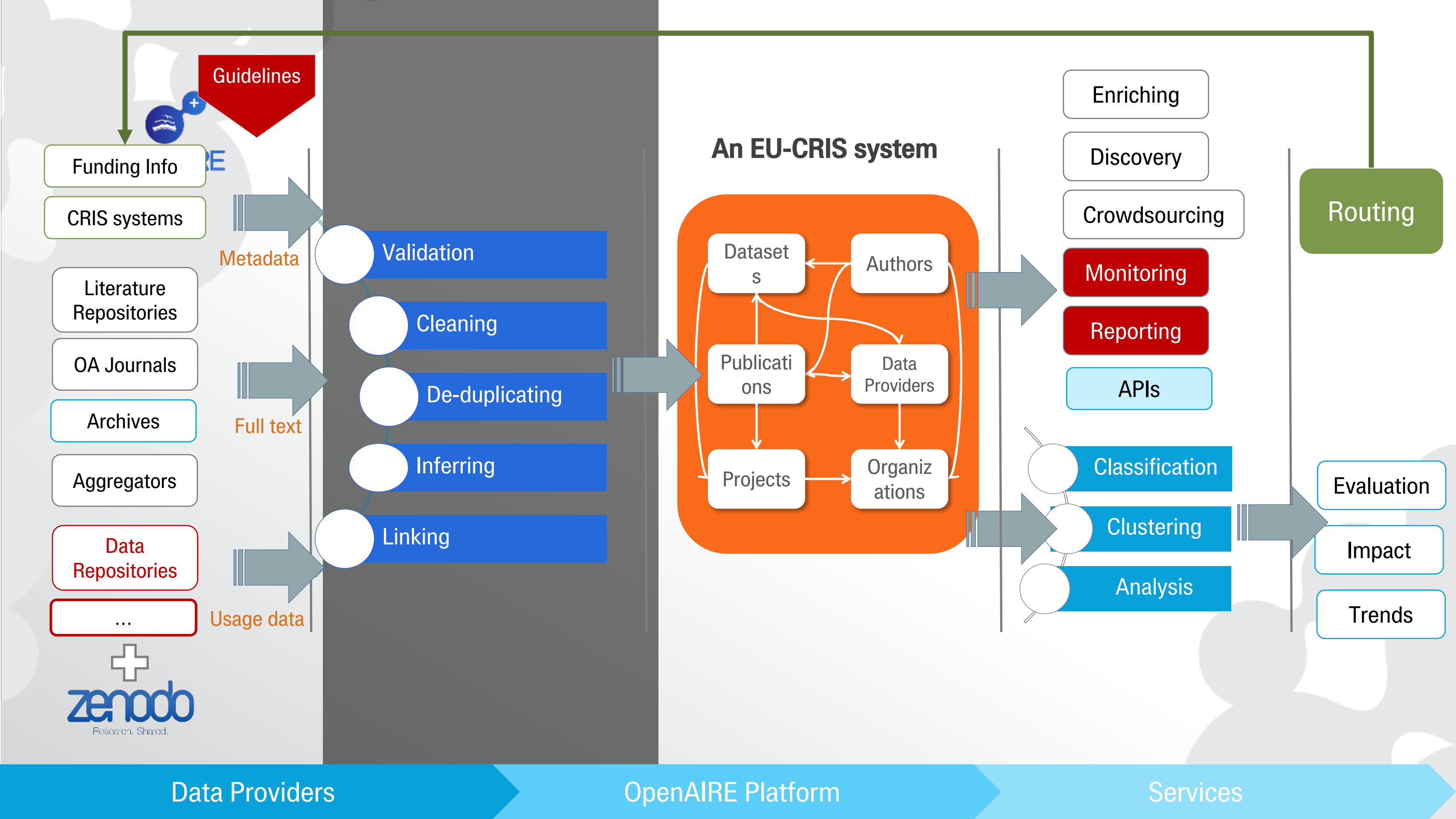
Lorem ipsum dolor sit amet, consectetur adipiscing elit...

CRIS Systems

Validate Cris Repository

Lorem ipsum dolor sit amet, consectetur adipiscing elit...

reporting & monitoring



Reporting & monitoring at various levels

- **Funders**

FUNDER

European Commission (EC) (183418)
NIH (131034)
NSF (120503)
Fundação para a Ciênc... (20827)
Wellcome Trust (WT) (15613)
NWO (11695)
Australian Research C... (8224)
NHMRC (6978)
SFI (2084)
MESTD (1085)
MZOS (809)
HRZZ (5)

- **Institutions**

All funding data
available via
OpenAIRE's APIs

Cleaned and provided
in a uniform way

Reporting & monitoring at various levels

- Funders

FUNDER

European Commission (EC) (183418)
 NIH (131034)
 NSF (120503)
 Fundação para a Ciênc... (20827)
 Wellcome Trust (WT) (15613)
 NWO (11695)

- Institutions

Austra
 NHMR
 SFI (2
 MESTI
 MZOS
 HRZZ



SUB GÖTTINGEN

Name	Georg-August-Universität Göttingen
Country	Germany
Projects	-

DATA SOURCES

Publikationenserver der Georg-August-Universität Göttingen
 (6412 items - 2015/04/14, as reported from openDOAR)
 Organizations: Georg-August-Universität Göttingen
 Type: Publication Repository
 Languages: deu/ger
 Contents: Journal articles, Books, chapters and sections
 Website URL: <http://goedoc.uni-goettingen.de/>
 OAI-PMH URL: <http://goedoc.uni-goettingen.de/oai/request>

APP BOX



Download projects report
(CSV)



Download publications
report (CSV)

All funding data
 available via
 OpenAIRE's APIs
 Cleaned and provided
 in a uniform way

Project level – Automatically export results

APP BOX

-  Publication details
-  Dynamically incorporate publications in your site (HTML)
-  View EC progress report (HTML)
-  Download EC progress report (CSV)

LINK RESEARCH RESULTS

DEPOSIT PUBLICATIONS

 Dynamically incorporate publications in your site (HTML)

Close

```
<script type="text/javascript">
<!--
document.write('<div id="oa_widg
et"></div>');
document.write('<script type="te
```

Most Recent Scientific Publications

PSHREG: A SAS macro for proportional and non proportional subdistribution hazards regression.

Kohl M, Plischke M, Lefondre K, Heinze G.

Comput Methods Programs Biomed 2014 Dec 3 [Epub ahead of print]

» [read more](#)

Modifiable lifestyle and social factors affect chronic kidney disease in high-risk individuals with type 2 diabetes mellitus.

Dunkler D, Kohl M, Heinze G, Teo KK, Rosengren A, Pogue J, Gao P, Gerstein H, Yusuf S, Oberbauer R, Mann JF.

Kidney Int. 2014 Dec 10. [Epub ahead of print]

» [read more](#)

Synergistic induction of CCL2/MCP-1 expression driven by oncostatin M and IL-1 β in human proximal tubular cells depends on STAT3 and p65 NF κ B/RelA.

Sarközi R, Corazza U, Osterkamp JP, Pirklbauer M, Mayer G, Schramek H

Physiol Rep. 2015 Feb 22;3(2). pii: e12298.

» [read more](#)

PathCards: multi-source consolidation of human biological pathways.

Belinky F, Nativ N, Stelzer G, Zimmerman S, Iny Stein T, Safran M, Lancet D.

Database (Oxford). 2015 Feb 27;2015. pii: bav006.

» [read more](#)

Assessment of metabolomic and proteomic biomarkers in detection and prognosis of progression of renal function in chronic kidney disease.

Nkuipou-Kenfack E, Duranton F, Gayraud N, Argilés A, Lundin U, Weinberger KM, Dakna M, Delles C, Mullen W, Husi H, Klein J, Koeck T, Zübig P, Mischak H.

PLoS One. 2014 9(5):e96955.

» [read more](#)

Modulation of NADPH oxidase activity by known uraemic retention solutes.

Schulz AM, Terne C, Jankowski V, Cohen G, Schaefer M, Boehringer F, Tepel M, Kunkel D, Zidek W, Jankowski J;

European Uremic Toxin Work Group (EUTox).

Eur J Clin Invest. 2014 44(8):802-11.

» [read more](#)

Project's web site

Project level – Automatically export results

APP BOX

Publication details

Dynamically incorporate publication details to project web site (HTML)

View EC progress report (HTML)

Download EC progress report (HTML)

LINK RESEARCH RESULTS



CORDIS

Community Research and Development Information Service

European Commission > CORDIS > Projects & Results Service > Systems biology towards novel chronic kidney disease diagnosis and treatment

Home

News and Events

Projects and Results

research*eu magazines

Research Partners

National and Regional

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Print

Booklet

My booklet (0)



SYSKID

Project reference: 241544

Funded under: [FP7-HEALTH](#)

Systems biology towards novel chronic kidney disease diagnosis and treatment

Open Access (198)



- Identification of novel indicators of cyclosporine A nephrotoxicity in a CD-1 mouse model
O'Connell, S.; Slattery, Craig; Ryan, Michael P.; McMorrow, Tara
Elsevier 2011
doi:10.1016/j.taap.2011.02.015
- [Urinary Proteome Analysis to Exclude Severe Vesicoureteral Reflux](#)
AMER ACAD PEDIATRICS 2012
doi:10.1542/peds.2010-3467
- [Cardiovascular and Renal Outcomes With Telmisartan, Ramipril, or Both in People at High Renal Risk Results From the ONTARGET and TRANSCEND Studies](#)
LIPPINCOTT WILLIAMS & WILKINS 2011
doi:10.1161/CIRCULATIONAHA.110.964171
- [Resistin and all-cause and cardiovascular mortality: effect modification by adiponectin in end-stage kidney disease patients](#)
OXFORD UNIV PRESS 2013
doi:10.1093/ndt/gft365

EC front-end system

Project's web site



euroCRIS Strategic Membership Meeting @ Athens, 8-10 November, 2016

22

...to the EC's participant portal

EC back-end reporting

Grant Management

Project 700301 (Project 700301)

HORIZON 2020

Call: H2020-EE-2014-2-RIA

Action : RIA

Resp. Unit: REA/B/01

Duration: 60

Publishable Summary

Deliverables

Milestones

Critical Risks

Publications

Infrastructure

Open Data

Genders

Science for Society

Recycle Bin

Implications

Project Continuous Report

✓

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✓

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Publications

☐ This project does not currently have any scientific publication

Suggested Publication from Open Aire (88 publications)

	Authors	Title of the Journal/Proc./Book	Date of Acceptance	D.O.I.	Non-D.O.I. Weblink	Actions
Insights from the Trout a	Lefèvre, Florence; Bricard	Plos One 3 (9), 8 p.. (2014)	2014-01-01	10.1371/journal.pone.0091876		
the Y-chromosome gene	Guyomard, René; Yano, Ayaka		2013-01-01	10.1111/eva.12032		
t on behavioural and phy	Chatain, Béatrice; Manca, M	Aquatic Living Resources 2 (26), 121-131.	2013-01-01	10.1051/alr/2013049		
posure to clotrimazole or	Ravaud, Catherine; Baudiffier	ISSN:0944-1344	2013-01-01	10.1007/s11356-013-1474-7		
has persistent effects on	Gisbert, Enric; Andree, Karl B.		2012-01-01	10.1371/journal.pone.0051884		
y trout gonad, brain and	Le Guen, Isabelle; Lluch, Jero	Gene 1 (500), 32-39. (2012)	2012-01-01	10.1016/j.gene.2012.03.053		
entiation and determina	Gerdol, Marco; Buonocore, Fr	2012; AQUA 2012 Global aquaculture seci	2013-01-01			
tion of the rainbow trout	Dong, Xiaohua; Dong, Zhang	Marine biotechnology (New York, N.Y.) 2	2011-01-01	10.1007/s10126-013-9546-8		
n in salmonids	Hansen, Tom; Moller, Dag	20. International Plant and Animal Genor	2012-01-01			

Manually Add Publication

	Authors	Title of the Journal/Proc./Book	Number, date or freq. of the Journal/Proc./Book	D.O.I.	Repository Link	Actions
tion of calpain family	Garcia La Serrana Castillo, Dani	PLoS ONE	Volume 8, Issue 9	10.1016/j.yhbeh.2012.04.003		
ent Kisspeptin Syst	Le Page, Yann; Servili, Arianna;	Endocrinology	Volume 152, Issue 4	10.1210/en.2010-0948		
kiss receptors sugges	Espigares, F.; Brocal, I.; Gome	PLoS ONE	Volume 8, Issue 7	10.1371/journal.pone.0070177		
es: Avances en la cara	Alvarado, M.V.; Gomez, Ana Mar	XIII Congreso Nacional de Acuicultura	2011			
omatophore different	Andree, Karl B.; Fernandez, Ign	PLoS ONE	Volume 8, Issue 5	10.1371/journal.pone.0063005		
source, and a Target of	Diotel, Nicolas; Do Rego Jean-Luc	Frontiers in Neuroscience	Volume 5	10.3389/fnins.2011		

Validate

You are free to deposit your peer-reviewed publications in those repositories most appropriate for your subject and publication (for instance a thematic or institutional repository). But you **must continuously report all publications related to your project** in 1 of the following 3 ways:

1. OpenAIRE

For publications accessible via OpenAIRE, references to these publications (with link to the project ID) are displayed automatically in the reporting section of the Participant Portal for the project.

Simply check if the references are directly linked to the work performed within the project. If so, tick these publications as relevant and they will then be included in the table of publications when the report is generated.

OpenAIRE

links and federates existing repositories. As such it provides access to publications that have been deposited in all repositories that are technically interoperable with OpenAIRE ("OpenAIRE compliant")

2. DOI

For publications not registered via OpenAIRE, you must enter the Digital Object Identifier (DOI). All the other columns of the table will then be filled automatically.

DOI - Digital Object Identifier

Permanent identifier which should be a persistent link to the published version full text or abstract (if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

3. No OpenAIRE or DOI

you must manually enter the full reference data.

Monitor across funders

Genomic insights into the Ixodes scapularis tick vector of Lyme disease

Gulia-Nuss, Monika; Nuss, Andrew B.; Meyer, Jason M.; Sonenshine, Daniel E.; Roe, R. Michael; Waterhouse, Robert M.; Sattelle, David B.; de la Fuente, José; Ribeiro, Jose M.; Megy, Karine; Thimmapuram, Jyothi; Miller, Jason R.; Walenz, Brian P.; Koren, Sergey; Hostetler, Jessica B.; Thiagarajan, Mathangi; Joardar, Vinita S.; Hannick, Linda I.; Bidwell, Shelby; Hammond, Martin P.; Young, Sarah; Zeng, Qiandong; Abrudan, Jenica L.; Almeida, Francisca C.; Ayllón, Nieves; Bhide, Ketaki; Bissinger, Brooke W.; Bonzon-Kulichenko, Elena; Buckingham, Steven D.; Caffrey, Daniel R. ... view all 93 authors (2016)

Publisher: Nature Publishing Group

Journal: Nature Communications

Languages: English

Types: Article

Subjects: Article

Identifiers: [pmc:PMC4748124](#), [doi:10.1038/ncomms10507](#)

Ticks transmit more pathogens to humans and animals than any other arthropod. We describe the 2.1 Gbp nuclear genome of the tick, *Ixodes scapularis* (Say), which vectors pathogens that cause Lyme disease, human granulocytic anaplasmosis, babesiosis and other diseases. The large genome reflects accumulation of repetitive DNA, new lineages of retro-transposons, and gene architecture patterns resembling ancient metazoans rather than pancrustaceans. Annotation of scaffolds representing ~57% of the genome, reveals 20,486 protein-coding genes and expansions of gene families associated with tick-host interactions. We report insights from genome analyses into parasitic processes unique to ticks, including host 'questing', prolonged feeding, cuticle synthesis, blood meal concentration, novel methods of haemoglobin digestion, haem detoxification, vitellogenesis and prolonged off-host survival. We identify proteins associated with the agent of human granulocytic anaplasmosis, an emerging disease, and the encephalitis-causing Langat virus, and a population structure correlated to life-history traits and transmission of the Lyme disease agent.

[LINK TO PROJECT](#)
[LINK TO RESEARCH DATA](#)


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[Europe PubMed Central](#)

FUNDED BY PROJECTS

[NSF | Endocrinology of Tick Repro...](#)

[NSF | Graduate Research Fellowshi...](#)

[NIH | Signaling pathways for tick...](#)

[NIH | Development of Celera Whol...](#)

[ARC | Evolution and function of f...](#)

[EC | ANOCAP](#)

[FCT | SFRH/BD/22360/2005](#)

[EC | OLFACTORYIGLURS](#)

[EC | ANTIGONE](#)

[NIH | INTERSPECIFIC COMPETITION B...](#)

[NIH | MURINE TYPHUS--VECTOR BIOLO...](#)

[NIH | First Transcriptome to the ...](#)



References (69)

Related Research Data (0)

Similar Publications (0)

Monitor across funders

Genomic insights into the Ixodes scapularis tick vector of Lyme disease

Gulia-Nuss, Monika; Nuss, Andrew B.; Meyer, Jason M.; Sonenshine, Daniel E.; Roe, R. Michael; Waterhouse, Robert M.; Sattelle, David B.; de la Fuente, José; Ribeiro, Jose M.; Megy, Karine; Thimmapuram, Jyothi; Miller, Jason R.; Walenz, Brian P.; Koren, Sergey; Hostetler, Jessica B.; Thiagarajan, Mathangi; Joardar, Vinita S.; Hannick, Linda I.; Bidwell, Shelby; Hammond, Martin P.; Young, Sarah; Zeng, Qiandong; Abrudan, Jenica L.; Almeida, Francisca C.; Ayllón, Nieves; Bhide, Ketaki; Bissinger, Brooke W.; Bonzon-Kulichenko, Elena; Buckingham, Steven D.; Caffrey, Daniel R. ... view all 93 authors (2016)

Publisher: Nature Publishing Group

Journal: Nature Communications

Languages: English



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Nature Publishing Group/ Nature Communications

ANTICIPATING THE GLOBAL ONSET OF NOVEL EPIDEMICS

Project Code:278976

Funder:European Commission (EC)

Funding:EC | FP7 | Cooperation

NIH | Development of Celera Whol... 

ARC | Evolution and function of f... 

EC | ANOCAP 

FCT | SFRH/BD/22360/2005 

EC | OLFACTORYIGLURS 

EC | ANTIGONE 

NIH | INTERSPECIFIC COMPETITION B... 

NIH | MURINE TYPHUS--VECTOR BIOLO... 

NIH | First Transcriptome to the ... 

At the project and funding scheme level

Ticks transmit more pathogens to humans and animals than any other arthropod. We describe the 2.1 Gbp nuclear genome of the tick Ixodes scapularis (Say), which vectors pathogens that cause Lyme disease, human granulocytic anaplasmosis, babesiosis and other diseases. The large genome reflects accumulation of repetitive DNA, new lineages of retro-transposons, and gene architecture patterns resembling ancient metazoans rather than pancrustaceans. Annotation of scaffolds representing ~57% of the genome, reveals 20,486 protein-coding genes and expansions of gene families associated with tick-host interactions. We report insights from genome analyses into parasitic processes unique to ticks, including host 'questing', prolonged feeding, cuticle synthesis, blood meal concentration, novel methods of haemoglobin digestion, haem detoxification, vitellogenesis and prolonged off-host survival. We identify proteins associated with the agent of human granulocytic anaplasmosis, an emerging disease, and the encephalitis-causing Langat virus, and a population structure correlated to life-history traits and transmission of the Lyme disease agent.

LINK TO PROJECT

LINK TO RESEARCH DATA



References (69)

Related Research Data (0)

Similar Publications (0)

Monitor across funders



Genomic insights in

Gulia-Nuss, Monika; Nuss, Andrew B.; David B.; de la Fuente, José; Ribeiro, Sergey; Hostetler, Jessica B.; Thiagar Young, Sarah; Zeng, Qiandong; Abrud Bonzon-Kulichenko, Elena; Buckingham

Publisher: Nature Publishing Group

Journal: Nature Communications

Languages: English

At the project an

ticks transmit more pathogens to humans than Ixodes scapularis (Say), which vector Lyme diseases. The large genome reflects a lifestyle resembling ancient metazoans rather than insects. It has protein-coding genes and expansions of parasitic processes unique to ticks, including haemoglobin digestion, haem detoxification, and human granulocytic anaplasmosis, an emerging life-history traits and transmission of the

Acknowledgments

Go to: ▼

This project has been funded in part with federal funds from the National Institute of Allergy and Infectious Diseases, National Institutes of Health, Department of Health and Human Services (NIAID, NIH, DHHS) under contract numbers N01-AI30071, HHSN272200900007C, HHSN266200400001C and 5R01GM77117-5. Its contents are solely the responsibility of the authors and do not represent the official views of the NIH. Additional grants and contracts supporting work described in this manuscript were from the NIH-NIAID (HHSN266200400039C and HHSN272200900039C) to F.H.C., and a subcontract under HHSN272200900039C to C.A.H. and J.M.M., the Australian Research Council Discovery Project (DP120100240) to S.C.B. and R.S., the Ministerio de Ciencia e Innovación of Spain (BFU2007-6292; BFU2010-15484) to J.R., BIO2009-07990 and BIO2012-37926 to J.V. NIH-1R01AI090062 to Y.P., L.S., and J.K., NIH 1R21AI096268 and NSF IOS-0949194 to R.M.R., the Xunta de Galicia of Spain (10PXIB918057PR) to J.M.C.T. and M.T., BFU2011-23896 and EU FP7 ANTIGONE (278976) to J.F., the USDA-NRI/CREES (2008-35302-18820) and Texas AgriLife Research Vector Biology grant to P.V.P. and European Research Council Starting Independent Researcher Grant (205202) to R.B., J.M.R was supported by the intramural program of the NIAID, R.M.W. by a Marie Curie International Outgoing Fellowship PIOF-GA-2011-303312, E.M.Z. by Swiss National Science Foundation awards 31003A-125350 and 31003A-143936, J.M.G. by an NIH-NCATS award TL1 TR000162 and NSF Graduate Research Fellowship (DGE 1333468), V.C. by a Boehringer Ingelheim Ph.D. Fellowship, F.G.V. by a Fundação para a Ciência e a Tecnologia, Portugal fellowship (SERH/BD/22360/2005), C.J.P.G. and F.H. by The Lundbeck Foundation (Denmark), and J.J.G. by NIH awards HHSN272200900040C, R01AI017828 and R01AI043006. Support from the Broad Genomics Platform is gratefully acknowledged.



References (69)

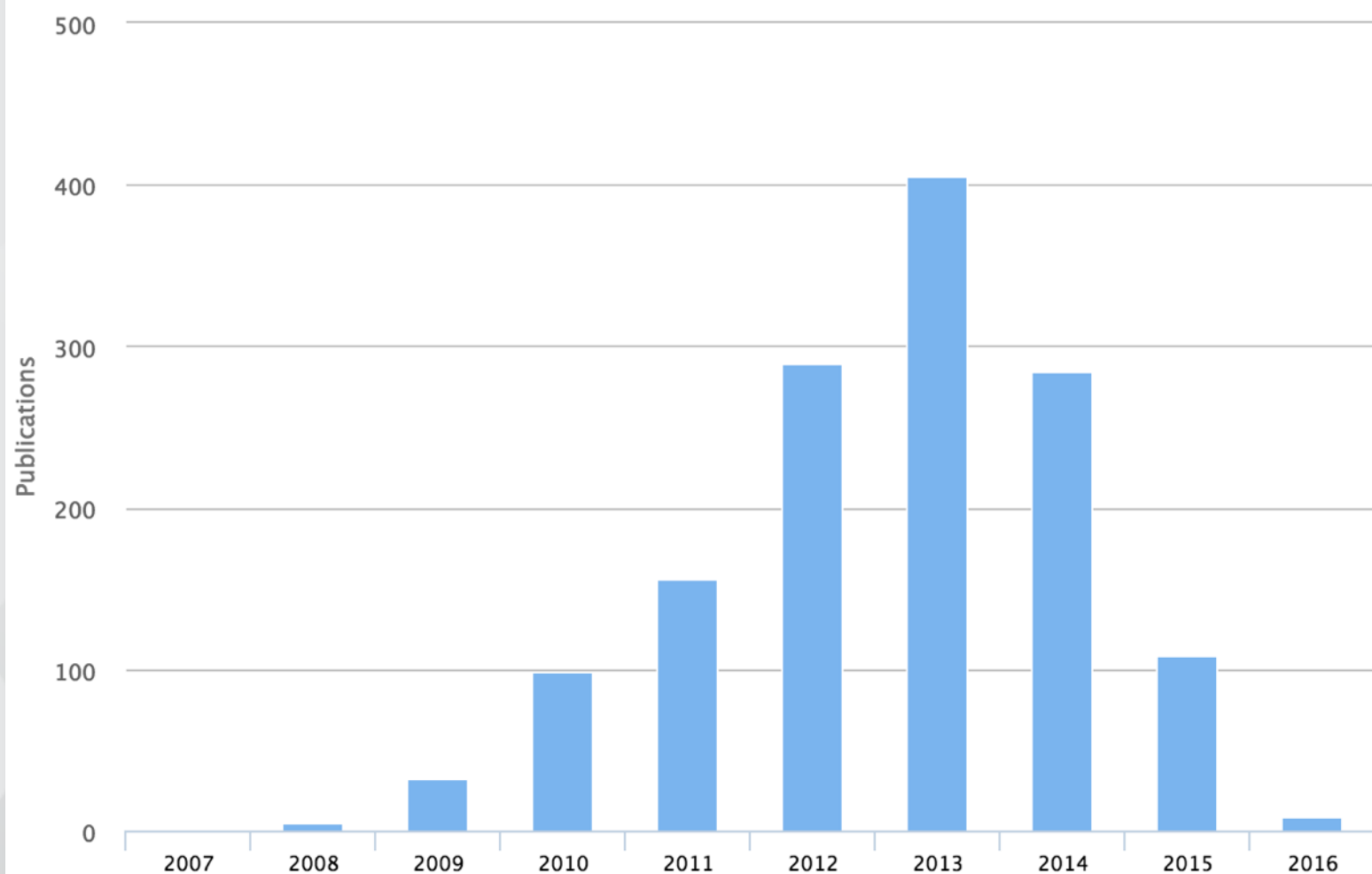
Related Research Data (0)

Similar Publications (0)

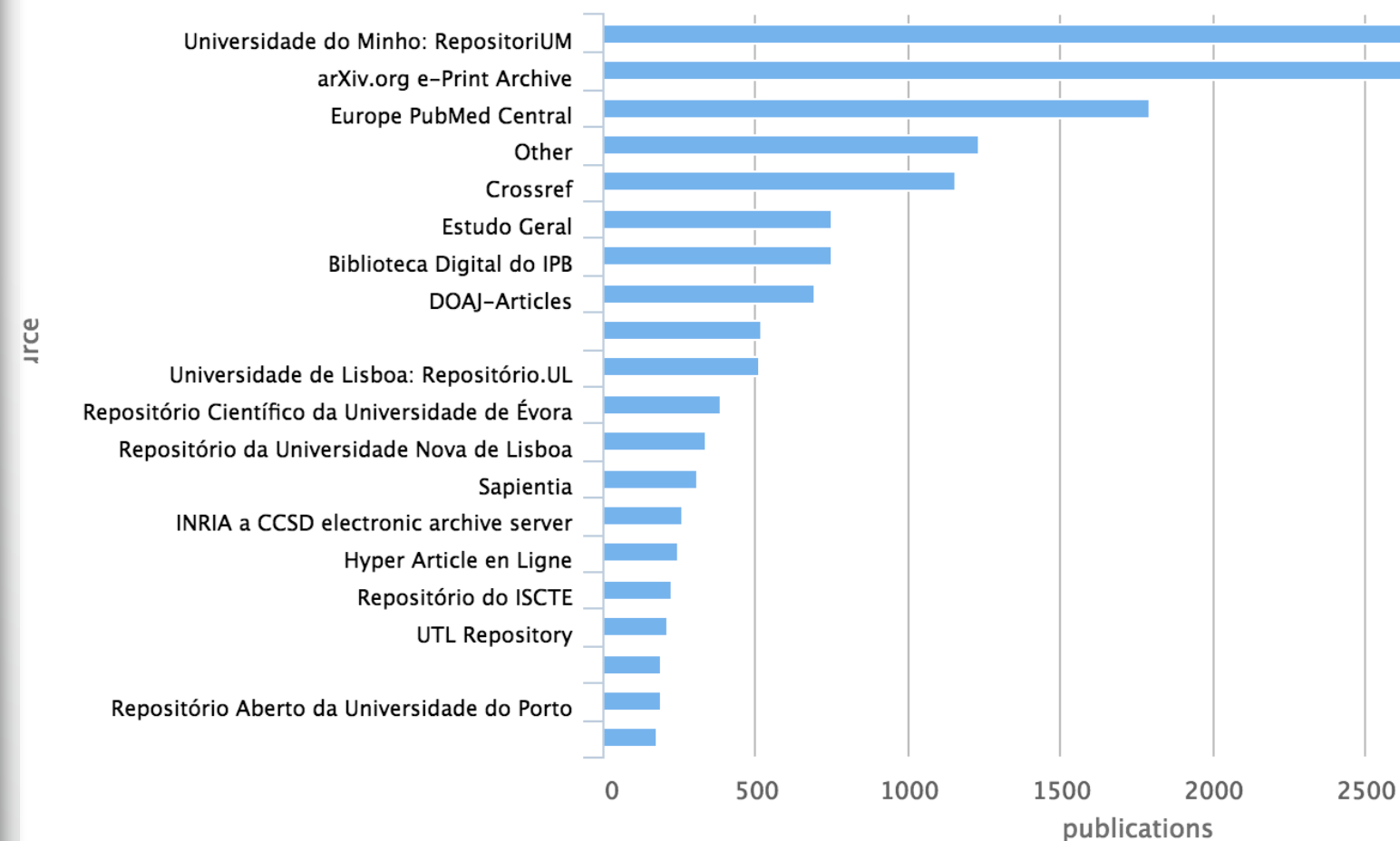
NIH | First Transcriptome to the ...

Data used in policy implementation

Publications co-funded by FCT and FP7 through the years



FCT Publications by data provider (top 20)



An example: Ex-post FP7 Evaluation

http://europa.eu/rapid/press-release_MEMO-16-146_en.htm

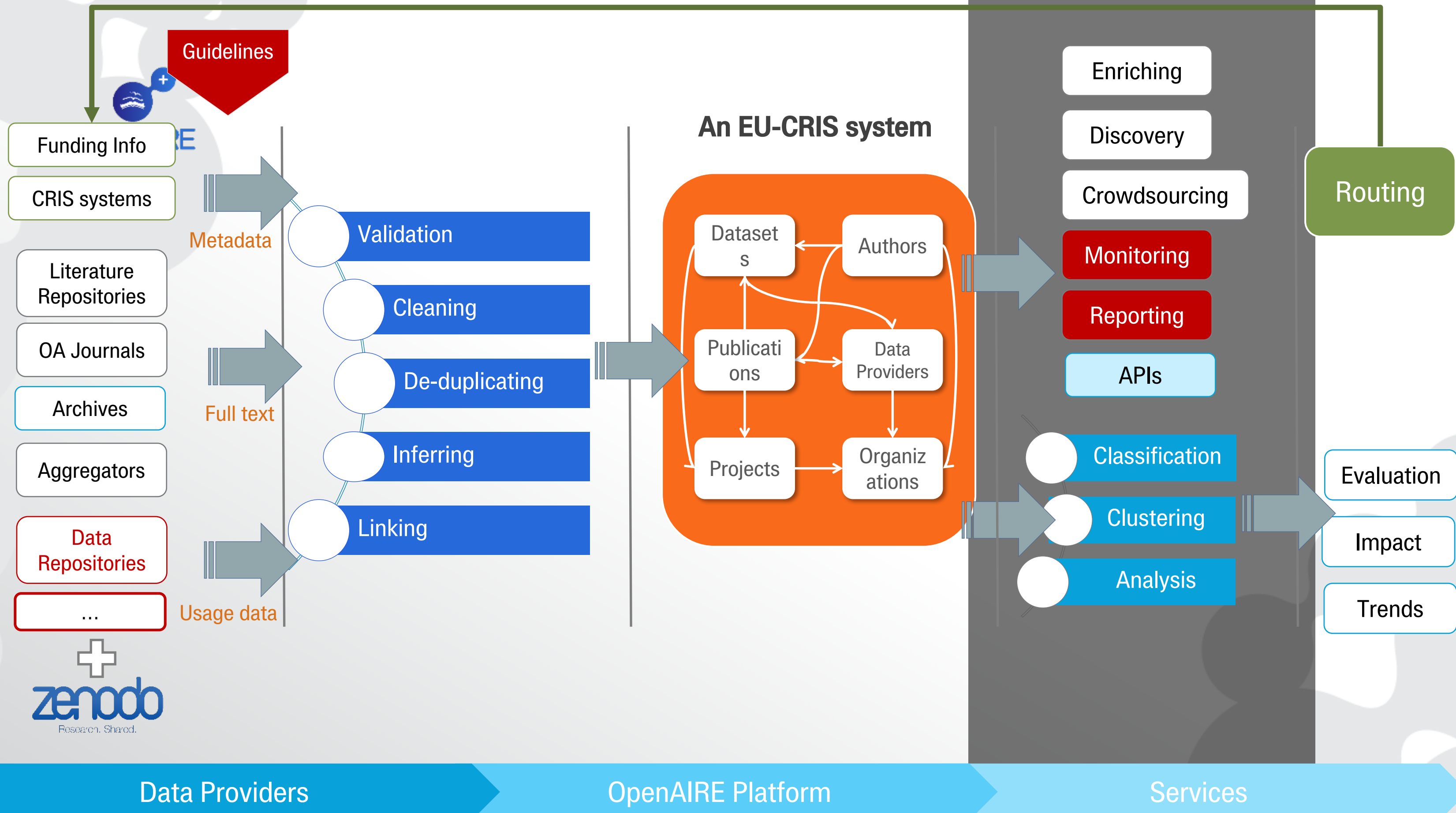
Brussels, 25 January 2016

The European Commission has published its ex-post evaluation of the 7th Framework Programme (FP7), the EU's research funding programme between 2007 and 2013.

The evaluation is based on a report by an independent group of high level experts, as well as the Commission's response to its recommendations published in two legal documents.

- **FP7 was particularly effective in strengthening scientific excellence.** FP7 projects have so far generated 170,000 publications, with an open access rate of 54% for all scientific peer reviewed publications created during the life time of FP7. The share of publications that is in highly-ranked journals lies above the EU average. In some programmes up to 30% of publications arising from FP7-funded projects rank among the top 5% of highly-cited publications in their disciplines - well above the European and US averages. More than 1,700 patent applications and

analyzing



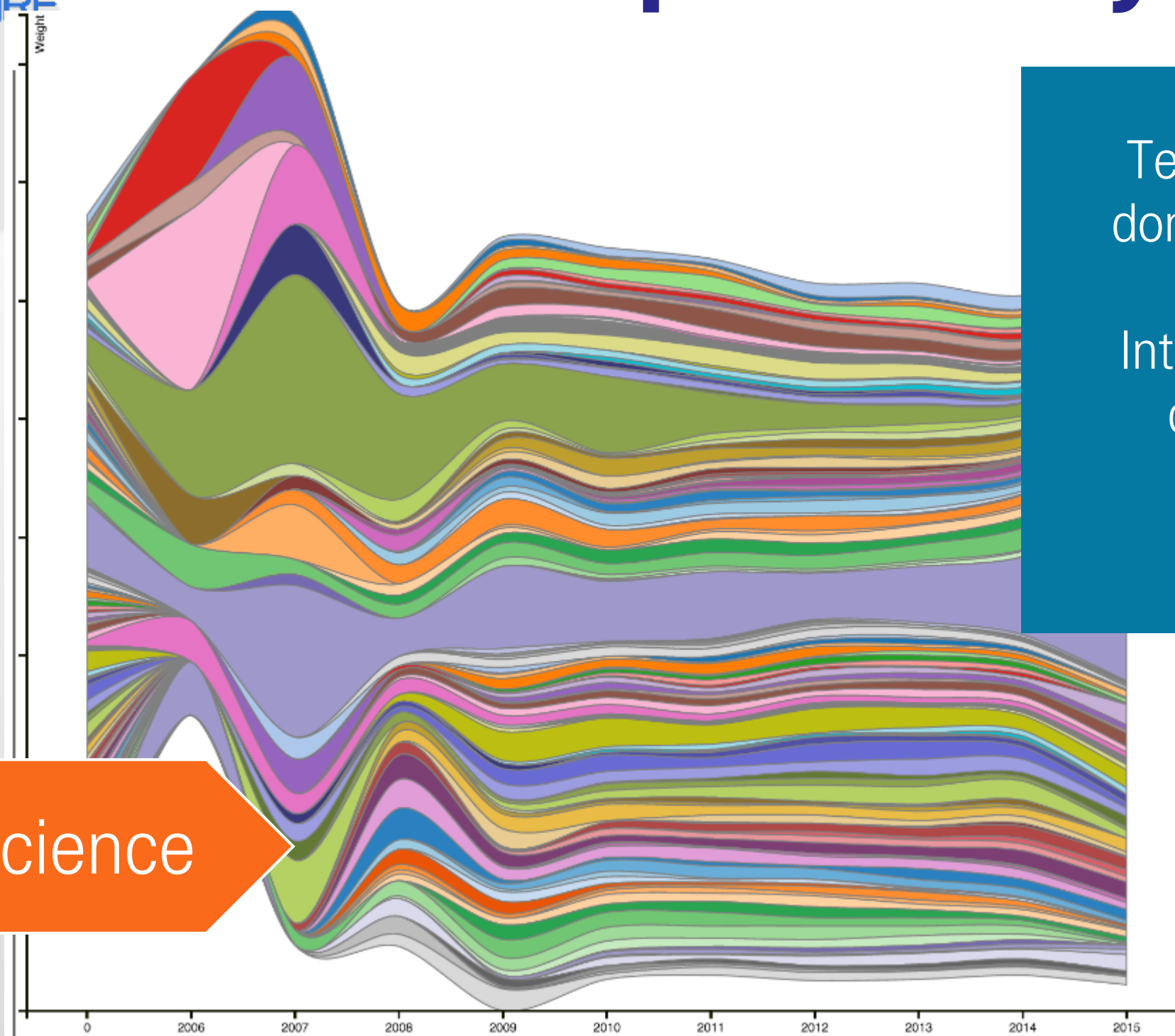
In depth analytics services

Text and data mining with
domain specific knowledge

Interactive visualization for
drill-down information

...

Trends in science

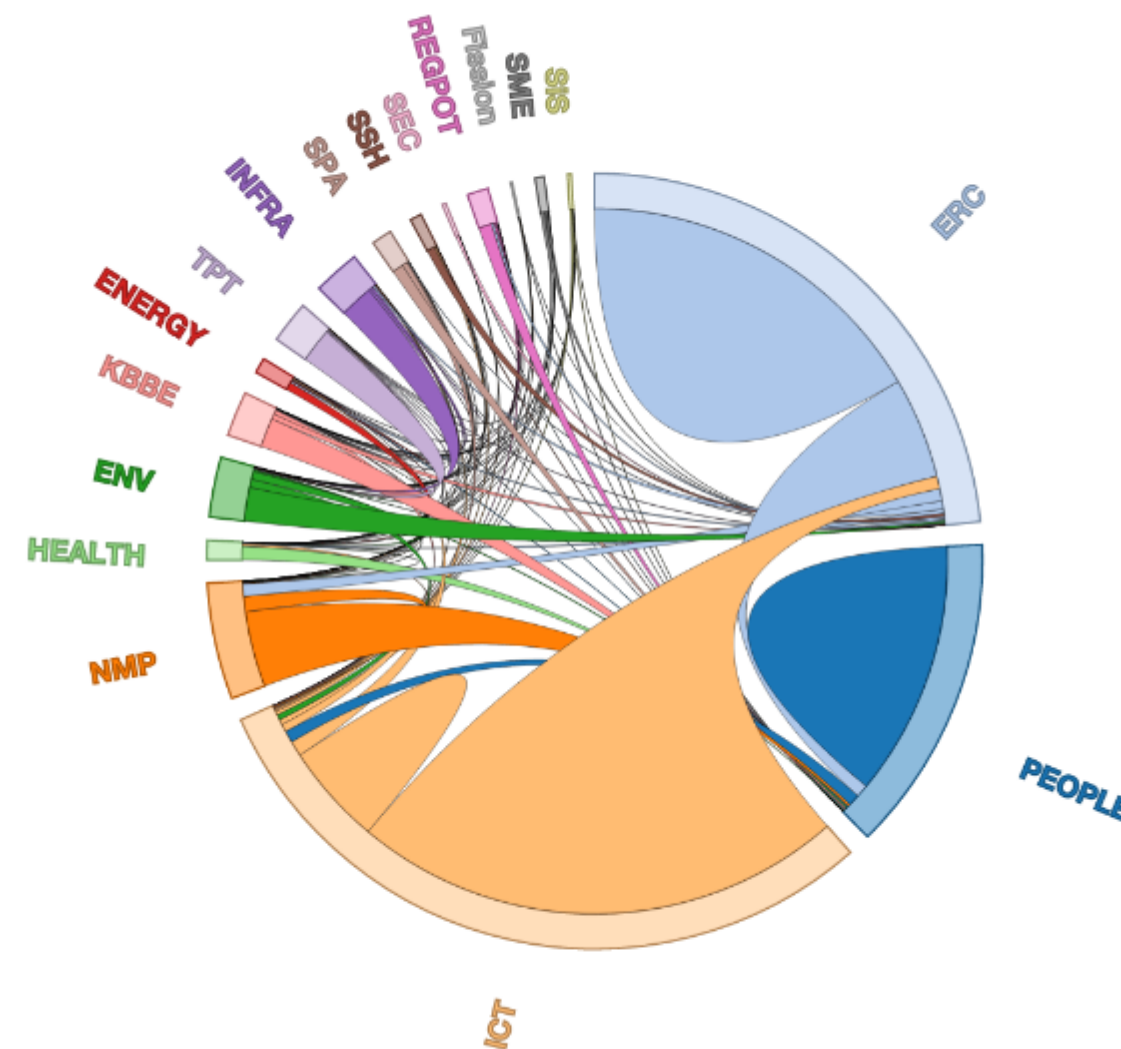


- Antibodies and epitopes
- Anticoagulants and venous thromboembolism
- Antihypertensive Agents
- Bacterial proteins and growth (E Coli & Chlamydia tr)
- Biochemical network models (computer models)

In depth analytics services

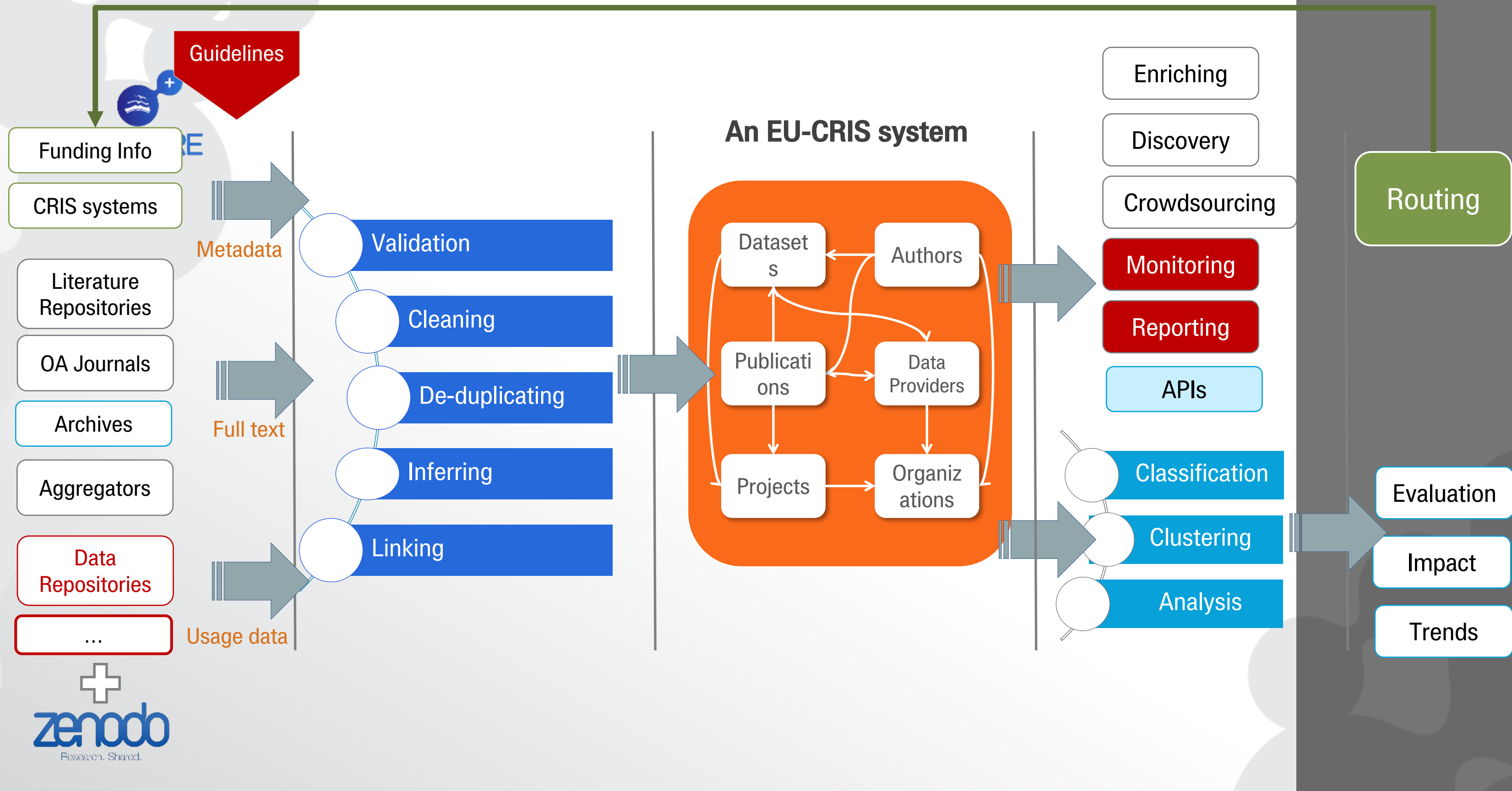
Correlations of funding programmes

Trends in science



Within a funder, or
across countries

exchanging info



Data Providers

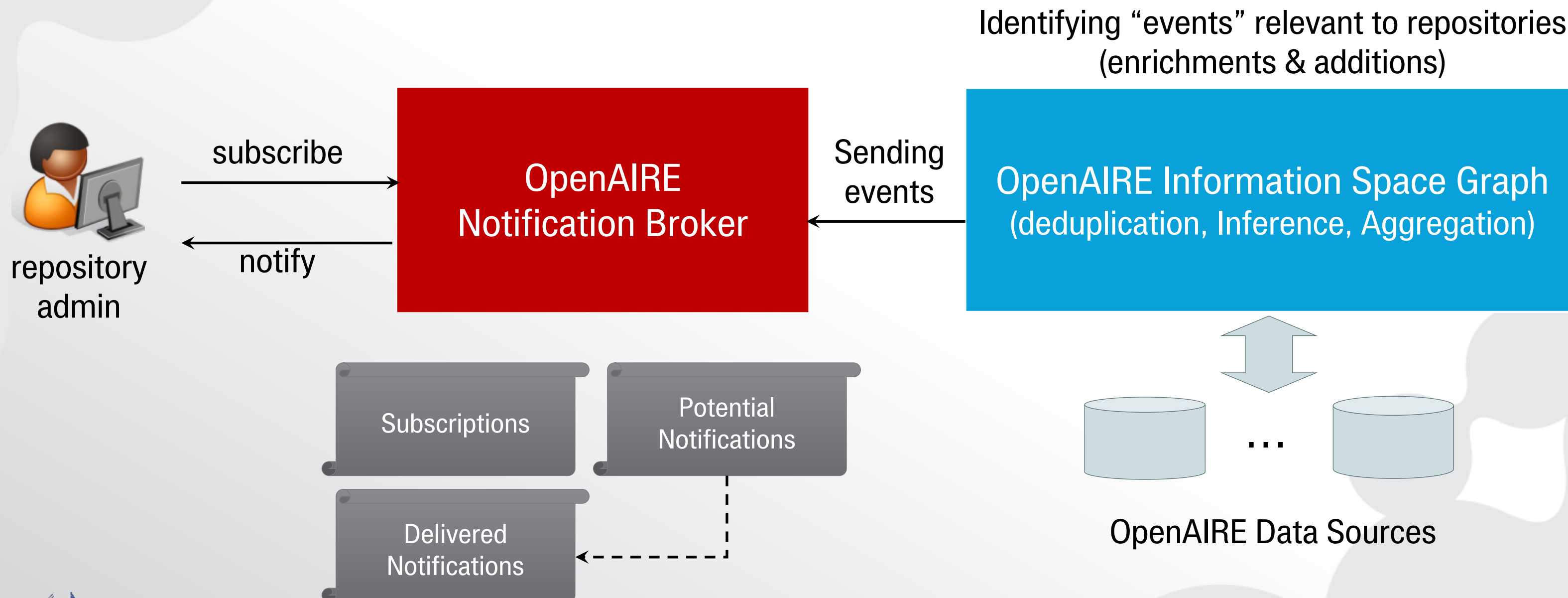
OpenAIRE Platform

Services

OpenAIRE broker sketch

Event (potential notification):

- Message
- Topic
- TargetRepository
- Trust



Subscriptions

- **Subscribe** to the service to receive notifications about
 - Topics: *enrichment.[more / new].X* or *addition.Y*
 - How to be notified: RSS feed, email, APIs, etc.
 - When to be notified: instantly, every K days
 - Criteria on record fields (predicate)
- **Test** subscription by searching the collection of potential notifications

Notifications

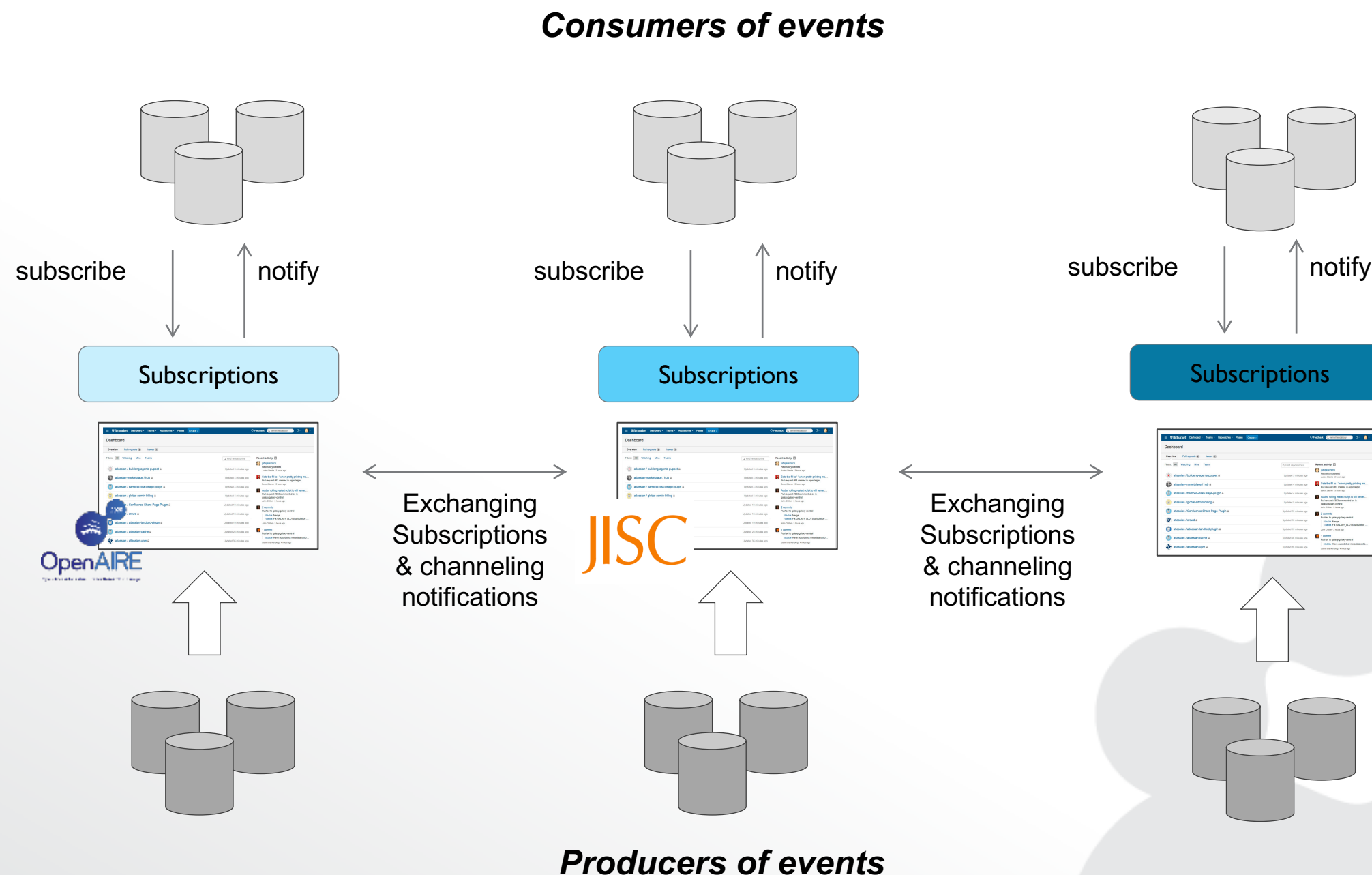
- **Notify** repositories in different ways
 - OpenAIRE recommended repository APIs for metadata ingestion (e.g. SWORD project); software modules for known platforms will be considered (e.g. DSpace, Eprints)
 - email to the repository managers
 - RSS feeds
- Avoid **redundant notifications** by keeping a history of **delivered notifications**

The Challenge

- **Enrichment is straightforward**
 - Harvesting from a data provider and return to the data provider its records if they have been “enriched” by deduplication and/or inference
- **Addition is less obvious**
 - Based on relationships, in turn identified by inference algorithms
 - Must be augmented with notion of “trust” to enable “tuning” options in order to reduce false positive notifications

Standards for brokers

Working with similar initiatives (Jisc, SHARE-US) on the definition of recommendations to enable information exchange between a network of Scholarly Communication Broker Services



next steps - collaborations

Interoperability

- **Vocabularies**
 - CERIF semantic vocabulary, COAR vocabulary
- **Identifier schemes**
 - People (authors, research managers)
 - Publications and Data ids
 - Organization ids
 - ...
- **Common representation of funding information**
- **Protocols (beyond OAI-PMH)**

Collaborations

- **Start a dialogue with funding organizations**
 - Awareness, advocacy, training on existing tools
 - Discuss interoperability and openness
- **Research entity identification systems**
 - Work with similar initiatives (CrossRef, THOR, ...)
- **National CRIS's as a national gateway to OpenAIRE (and reversly)**
 - Hubs of information where
- **Engage the repository and CRIS platforms**
 - **Open platforms, open protocols**

Open to new ideas, new collaborations



Thank you!



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