

The DARIAH-EU and OpenAIRE collaboration on Open Science publishing practices

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Paolo Manghi¹, Pedro Principe²,
Erzsebeth Toth-Czifra³, Andre
Vieira²

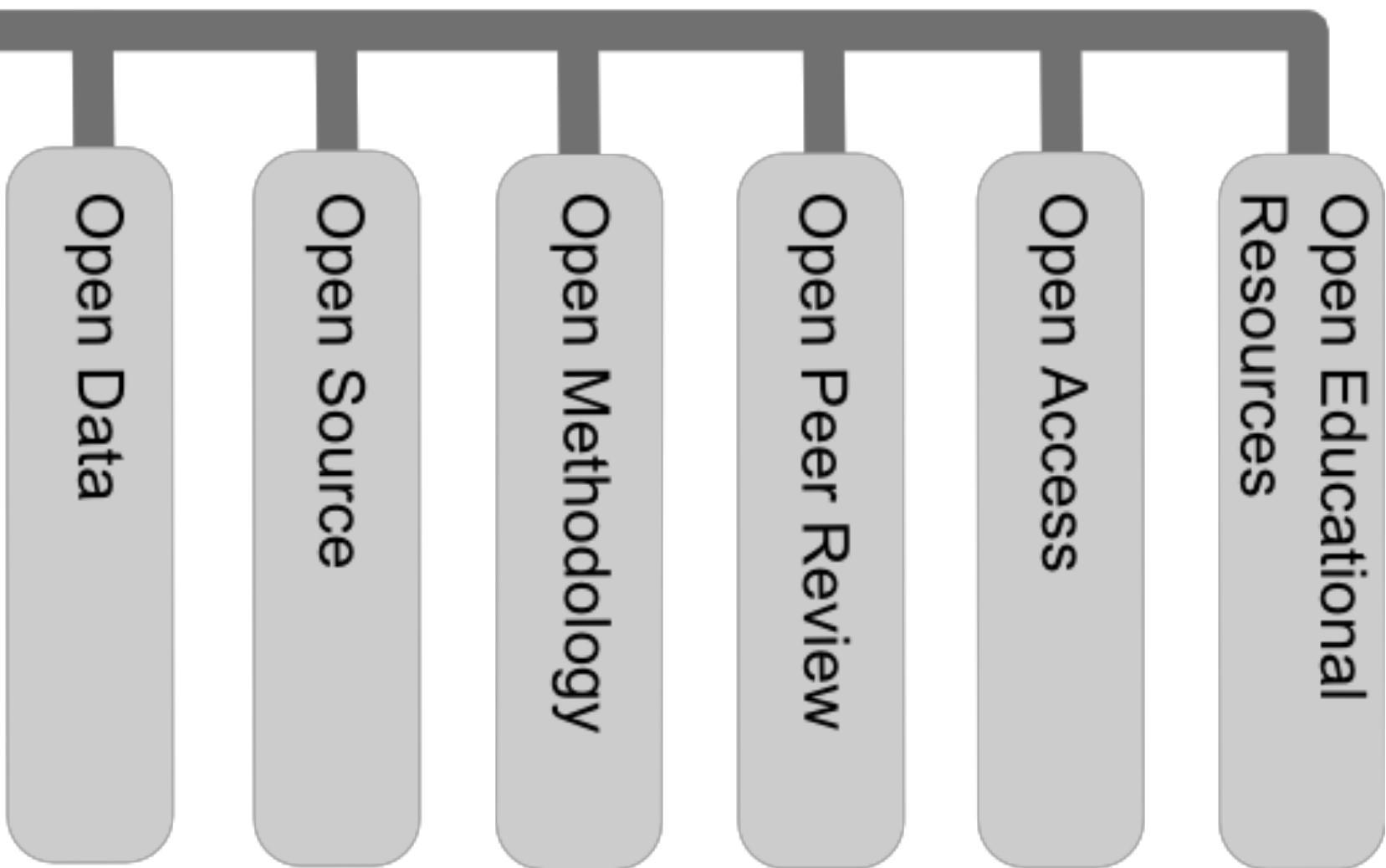
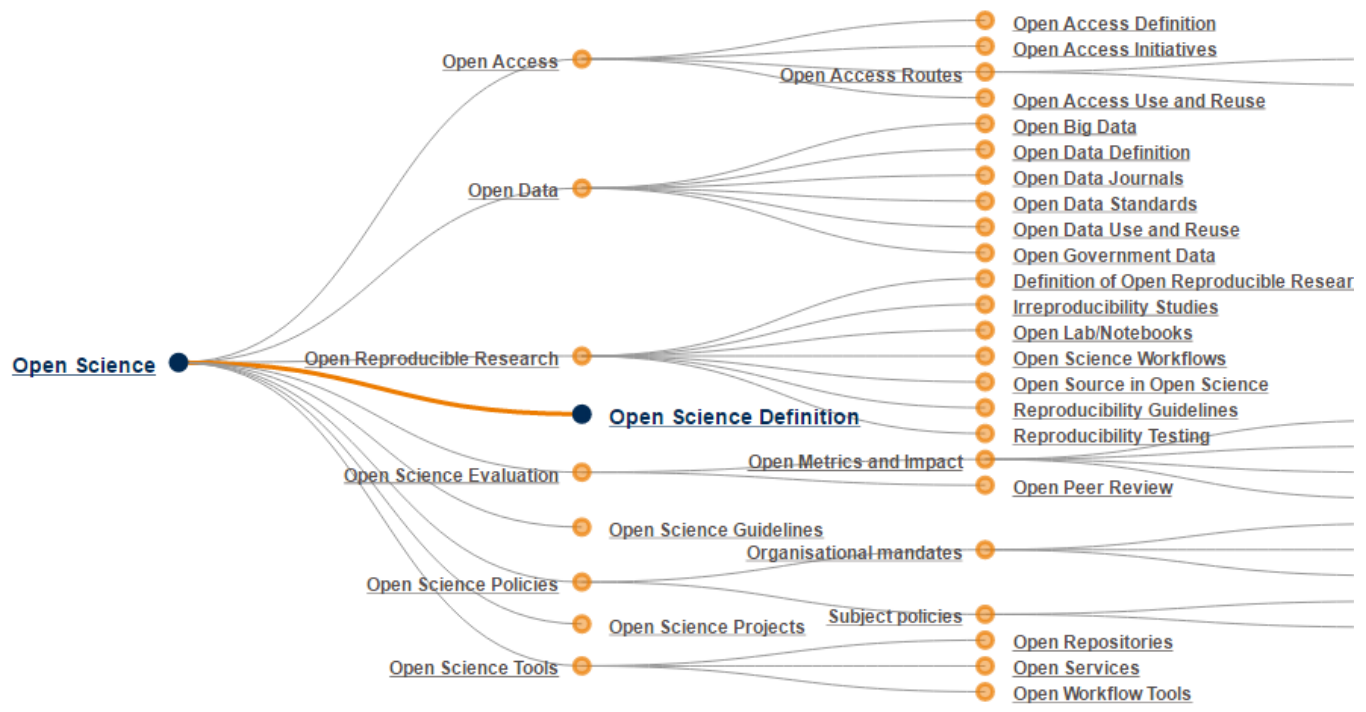
¹ ISTI-CNR, Italy

² University of Minho, Portugal

³ DARIAH

Infrastructures and beyond

Open Science

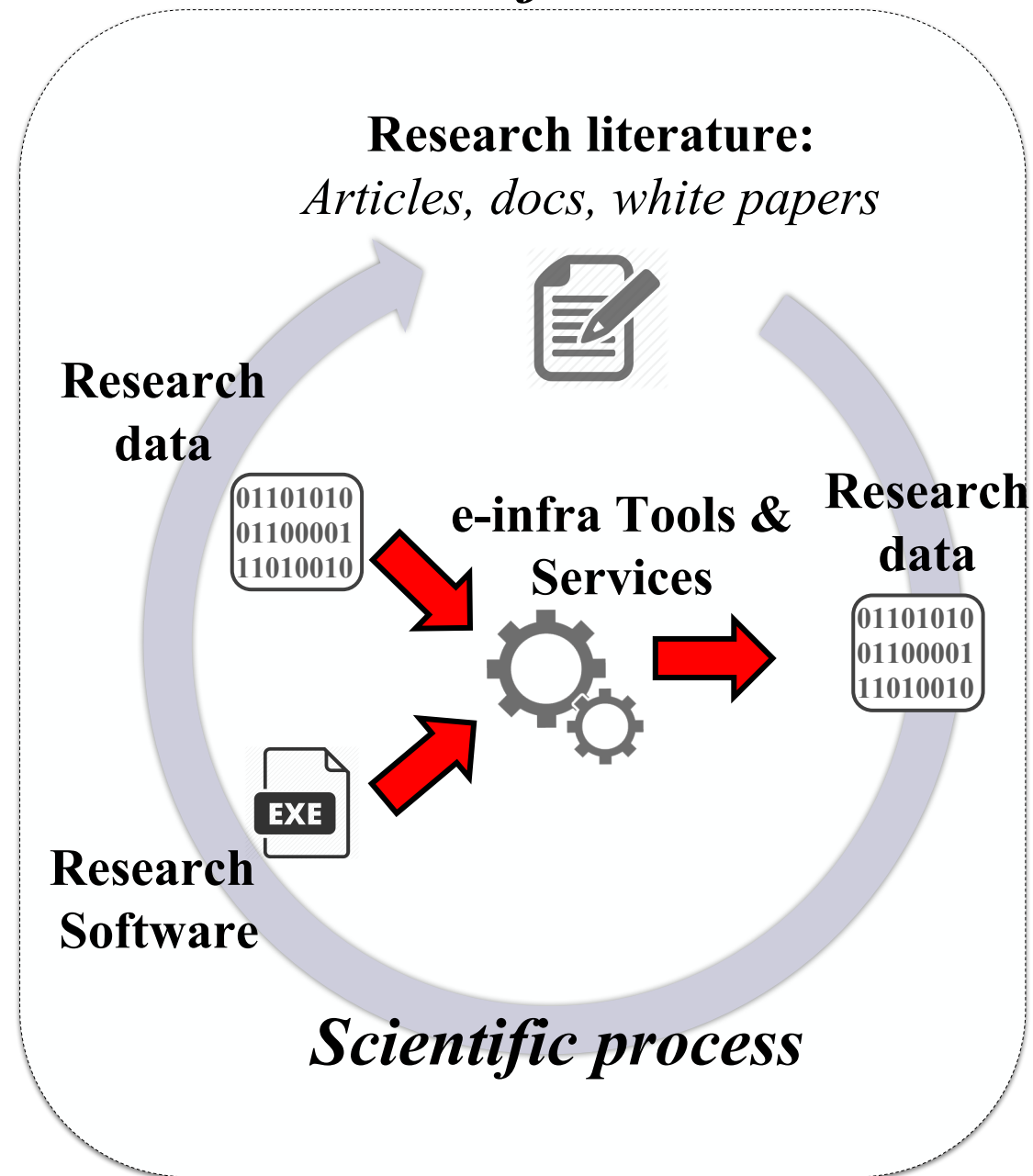


Open Science is the practice of science in such a way that others can **collaborate** and **contribute**, where research data, lab notes and other research processes are **freely available**, under terms that enable **reuse**, **redistribution** and **reproduction** of the research and its underlying data and methods.

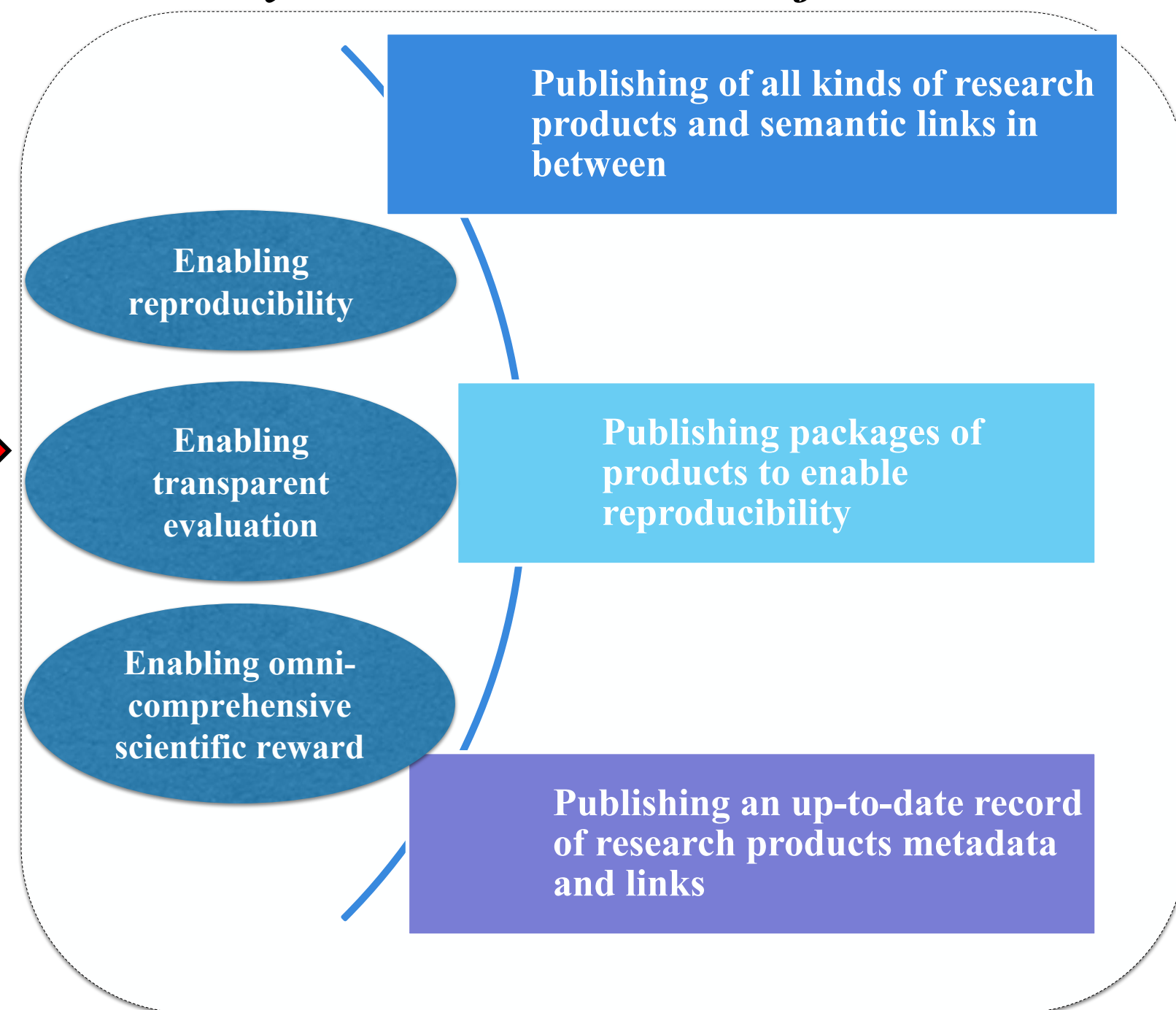


Open Science publishing: principles and waivers

Research Infrastructures



Scholarly Communication Infrastructure



OpenAIRE Infrastructure

European (and beyond) infrastructure for Open Science



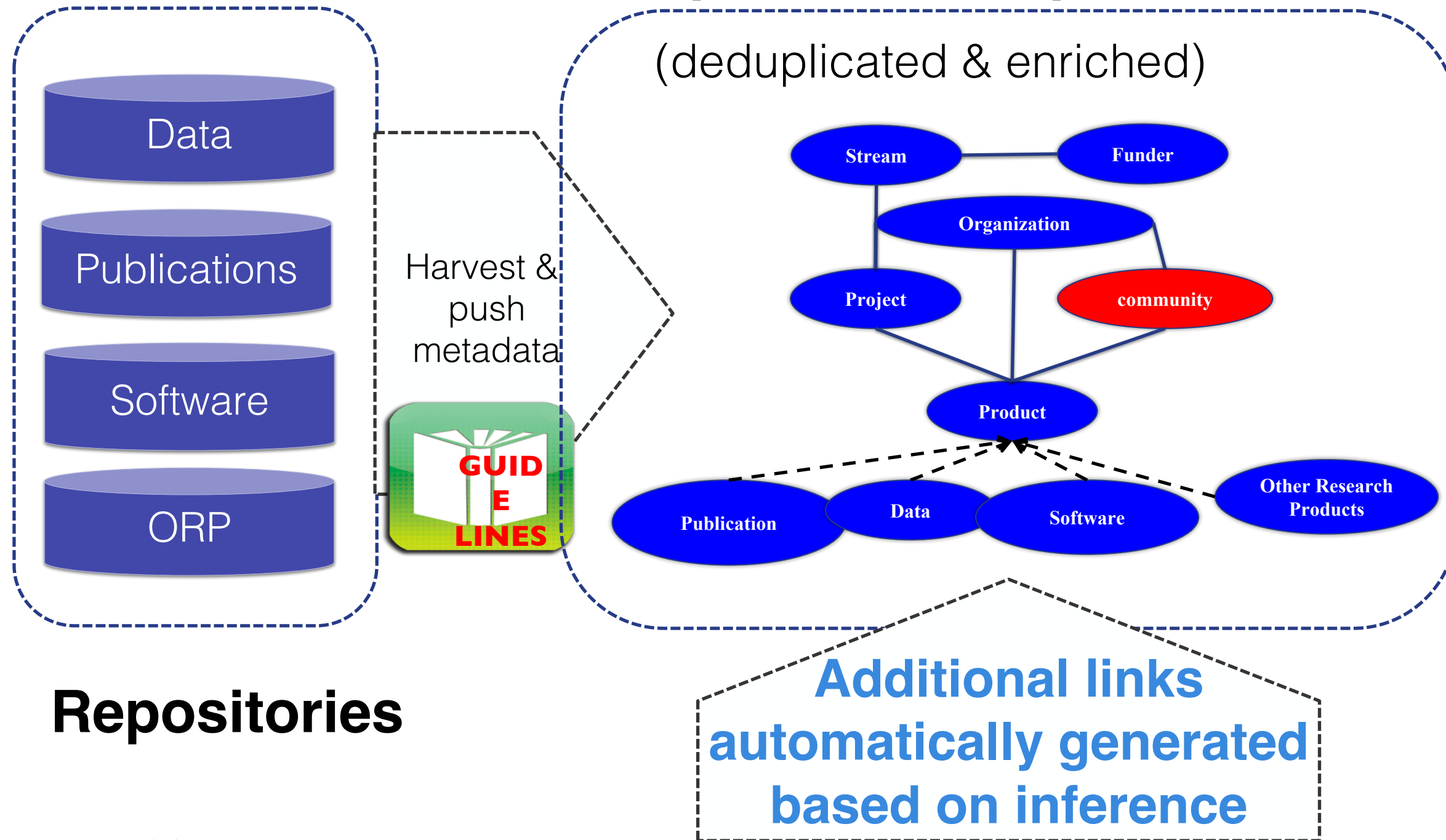
Networking infrastructure: Open Science advocacy and support, global alignment and interoperability, etc.



Technical infrastructure: services for monitoring of Open Science, Research Impact for funders, sharing and reporting for research communities

OpenAIRE Research Graph

OpenAIRE Graph



Repositories

**Additional links
automatically generated
based on inference**

Motivations

Literature and Data Deluge

As a researcher, where can I find a scholarly communication graph that includes all and only the research products of my discipline and that I can help to grow and curate?

Open Science publishing tools







As a researcher, how can I publish my research products according to Open Science principles?

As an RI service developer, how can I integrate a publishing mechanism into my service to reduce the workload of the researchers using my service?

Research Impact

As a manager of a research initiative/infrastructure, how can I monitor the impact of my RI and provide numbers and proofs to my current and future funders?

COMMUNITY

 <p>European Marine Science</p>	 <p>Neuroinformatics</p>	 <p>Agricultural and Food Sciences</p>
 <p>Fisheries and Aquaculture Management</p>	 <p>Digital Humanities and Cultural Heritage</p>	 <p>Sustainable Development Solutions Network - Greece</p>

RESEARCH INITIATIVE

 <p>Instruct-ERIC</p>	 <p>ELIXIR-GR</p>	 <p>DARIAH EU</p>
 <p>EGI : advanced computing for research</p>	 <p>Research Data Alliance</p>	 <p>Common Language Resources and Technology Infrastructure</p>

Aims: publish, share and discovery

Aims: research impact

How does it work?

- **Manager GUI functionalities**
 - Select projects that are related to the community
 - Select data sources that are relevant for the community
 - Selection criteria specification
 - Select Zenodo communities related to the community
 - Selection criteria specification
 - Specify keyword/subject terms related to the community
 - Define full-text mining rules
 - Manage end user's claim
 - Configure statistics and charts

DARIAH-EU DARIAH EU OVERVIEW MIRIAM

Manage projects

Select funder: Search community pro Search

All the research results linked to the projects specified here will be automatically linked to your community dashboard.

3 projects, page 1 of 1

PROJECT
Collaborative European Digital/Archival Infrastructure (CENDARI)
DARIAH ERIC Sustainability Refined (DESIR)
Humanities at Scale: Evolving the DARIAH-ERIC (HaS-DARIAH)

DARIAH - EU RCD: Administrator View



DARIAH-EU DARIAH EU OVERVIEW MIRIAM

Manage zenodo communities

Master Zenodo community: oaa_dariah

Search zenodo communities Search

All the research results belonging to the Zenodo communities specified here will be automatically linked to your community dashboard.

1 zenodo communities, page 1 of 1

NAME	LAST UPDATE ON	ACTION
DARIAH Digital Methods and Practices Observatory Working Group (DIMPO)	2017/01/30	<input type="checkbox"/>

DARIAH-EU DARIAH EU OVERVIEW MIRIAM

This functionality is not yet fully integrated.

[Add concepts](#)

Use the table or the upload form to add your content.

KEYWORD	CONTEXT (Optional)
654119	The present work of the European Commission under the INFRADEV-4-2014
CLARIN	This work crucially depends on infrastructure. The Netherlands
FLI-IAM	This work was supported by the French Research under the FLI, referenced by the ANR (grant ANR-11-INB-0001)
FP7	The present work of the European Commission under the FP7 opinion do not necessarily reflect the views of the Commission.
grants	ONR-w/d(12)
ATLAS	IdATLAS Collaborative

DARIAH-EU DARIAH EU OVERVIEW MIRIAM

Profile

Content

Statistics & Charts

Links

Help texts

Text mining rules

Users

DARIAH-EU DARIAH EU OVERVIEW MIRIAM

Profile

Content

Statistics & Charts

Links

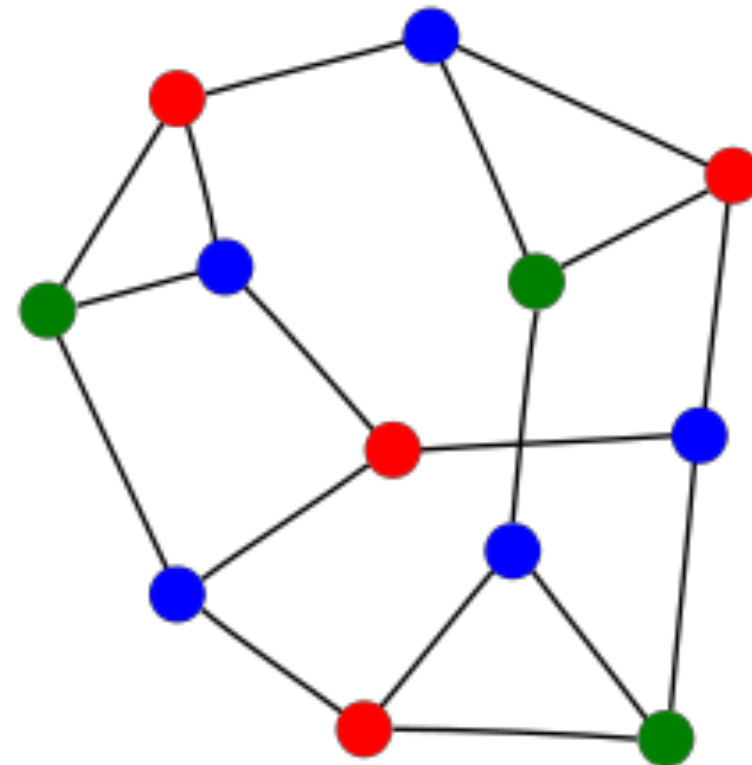
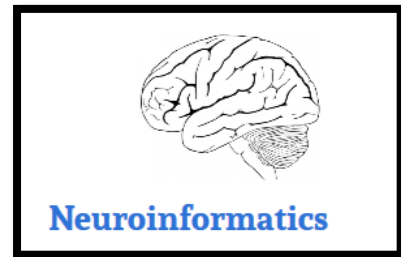
Help texts

Text mining rules

Users

Manage Community Contents: Projects, Zenodo Communities, Links, Data Sources, Statistics, Subscribed Users, Text Mining Rules

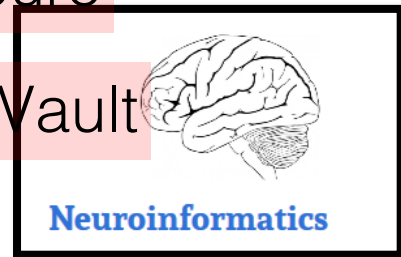
How does it work?



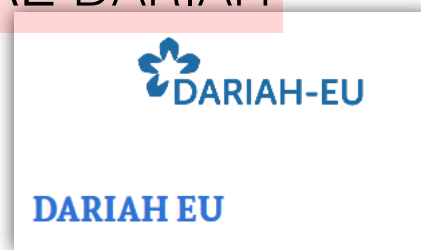
How it works... via datasource

OpenNeuro

NeuroVault

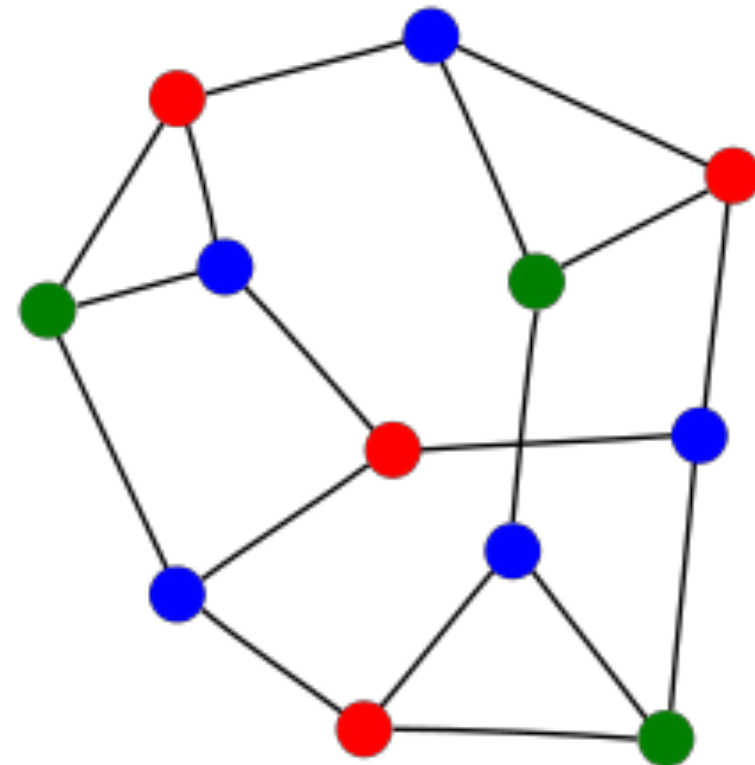


HAL DARIAH



KNAW

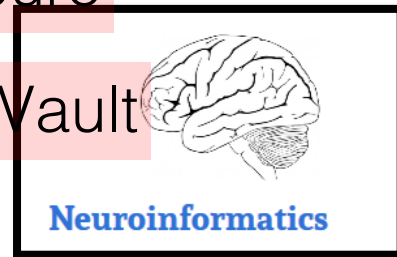
EASY



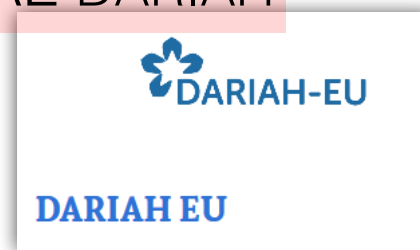
How it works... via datasource

OpenNeuro

NeuroVault

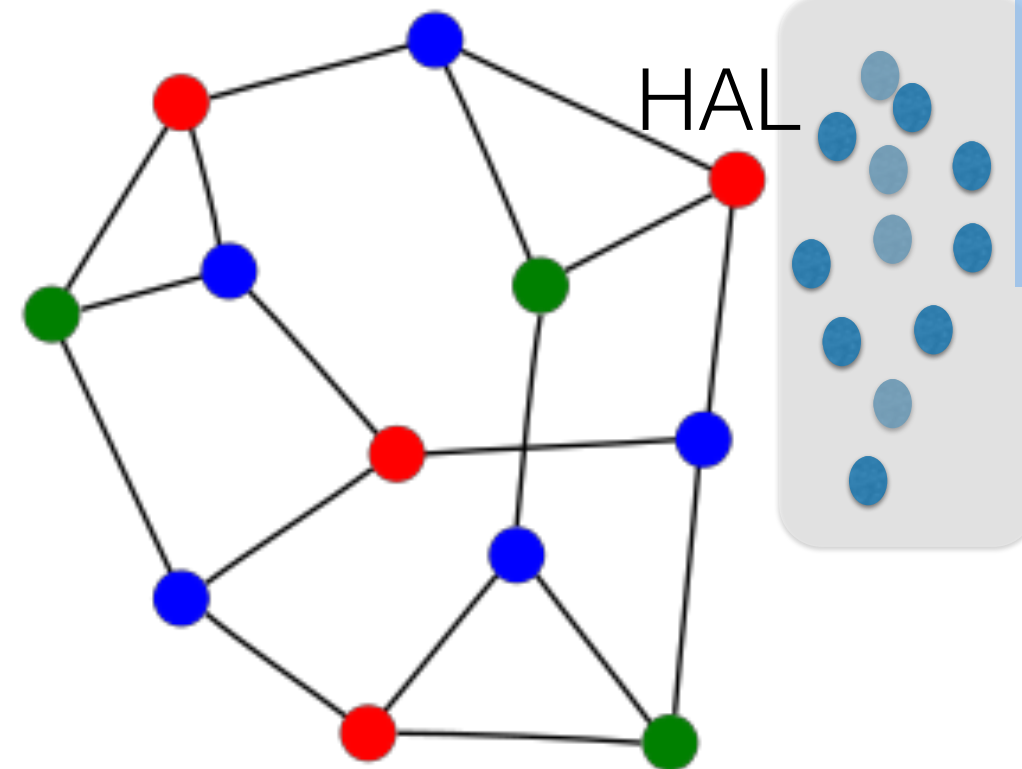


HAL DARIAH



KNAW

EASY



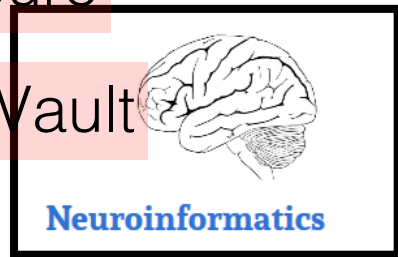
HAL

Results associated to HAL in the OpenAIRE Research Graph

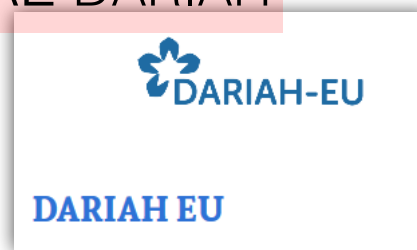
How it works... via datasource

OpenNeuro

NeuroVault

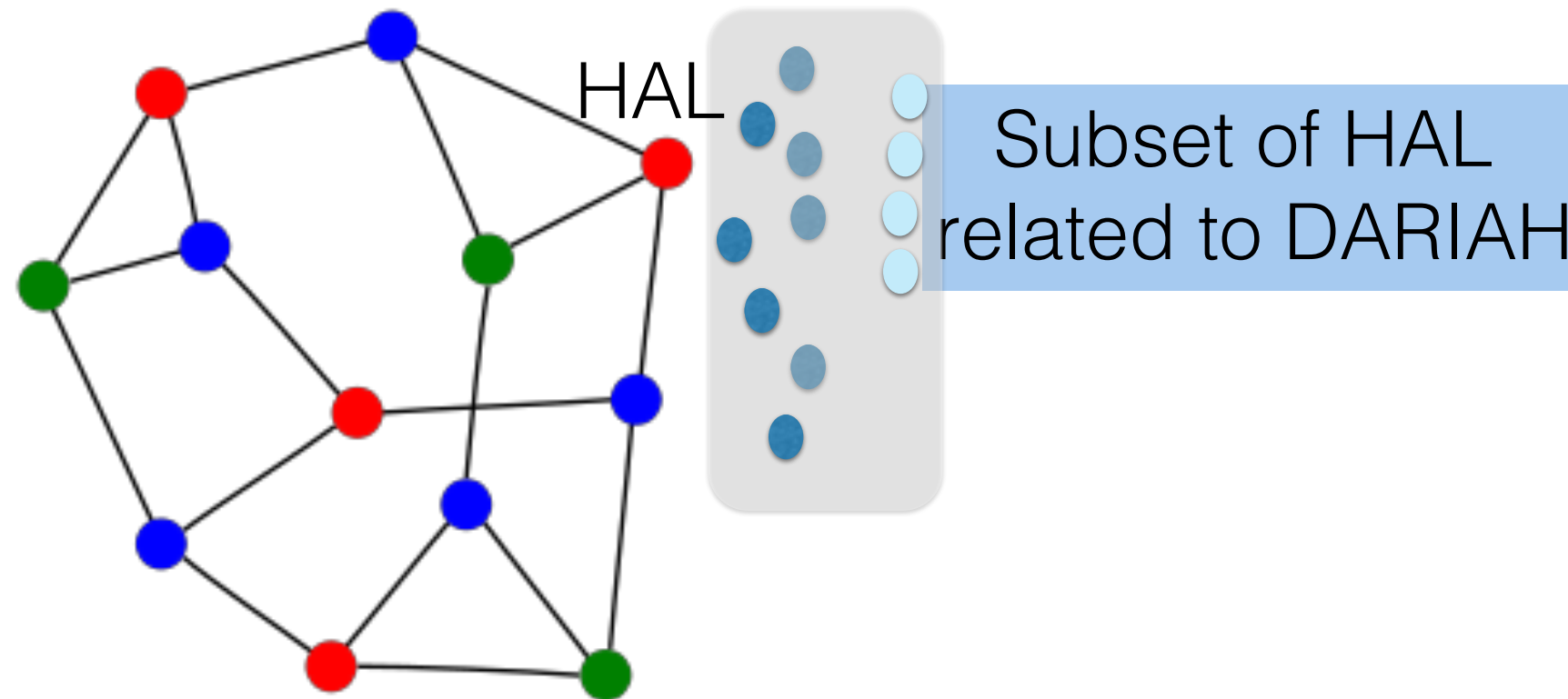


HAL DARIAH



KNAW

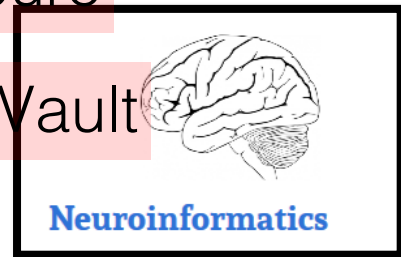
EASY



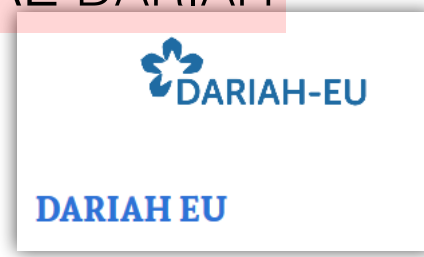
How it works... via datasource

OpenNeuro

NeuroVault

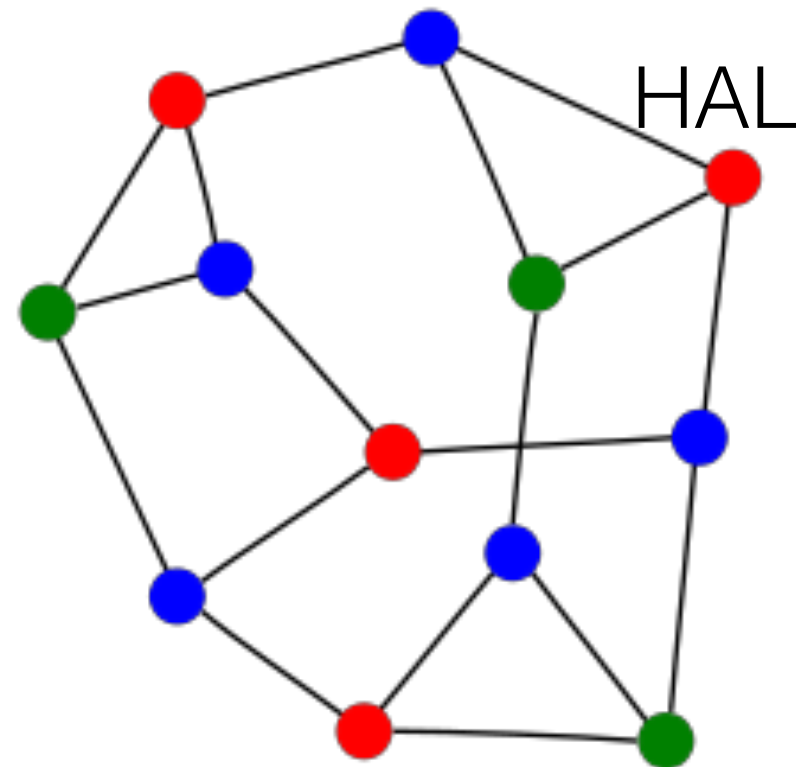


HAL DARIAH

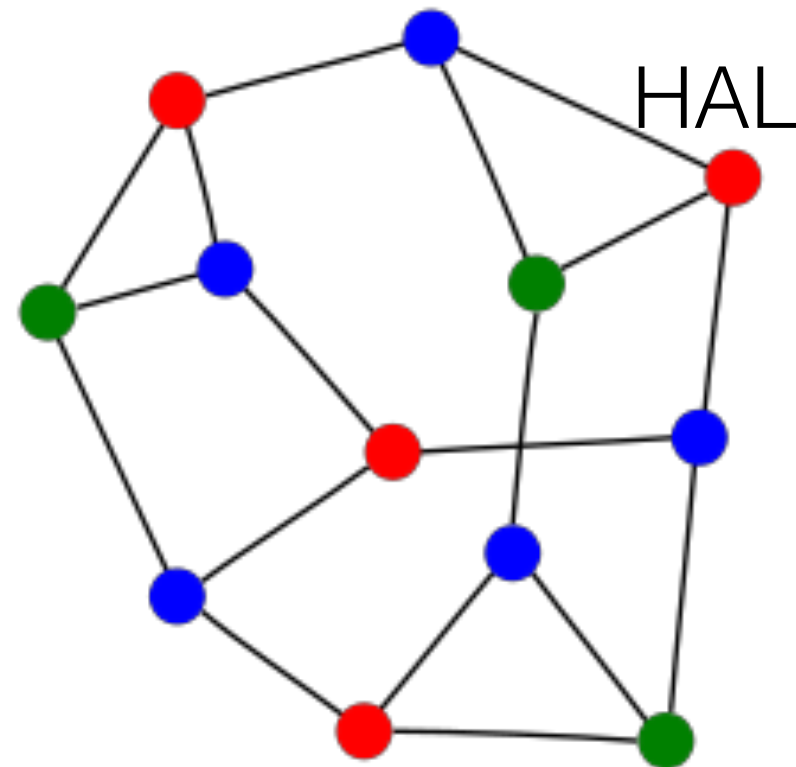
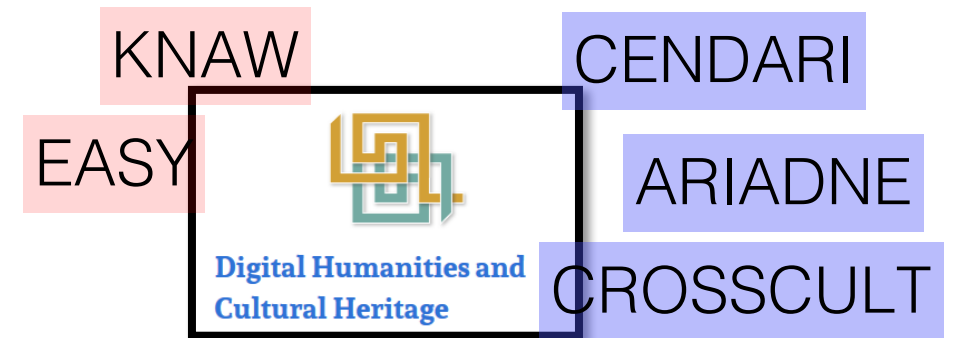
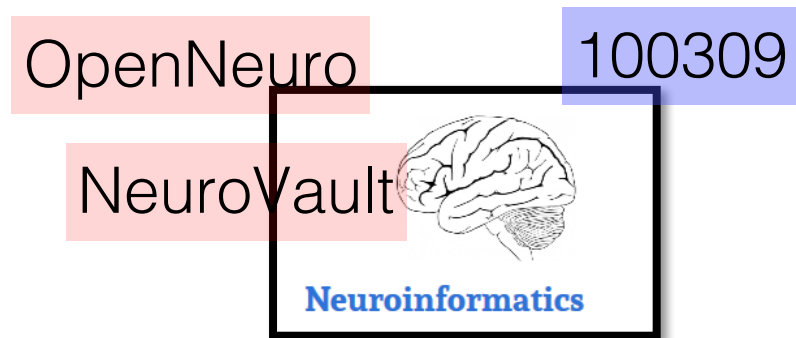


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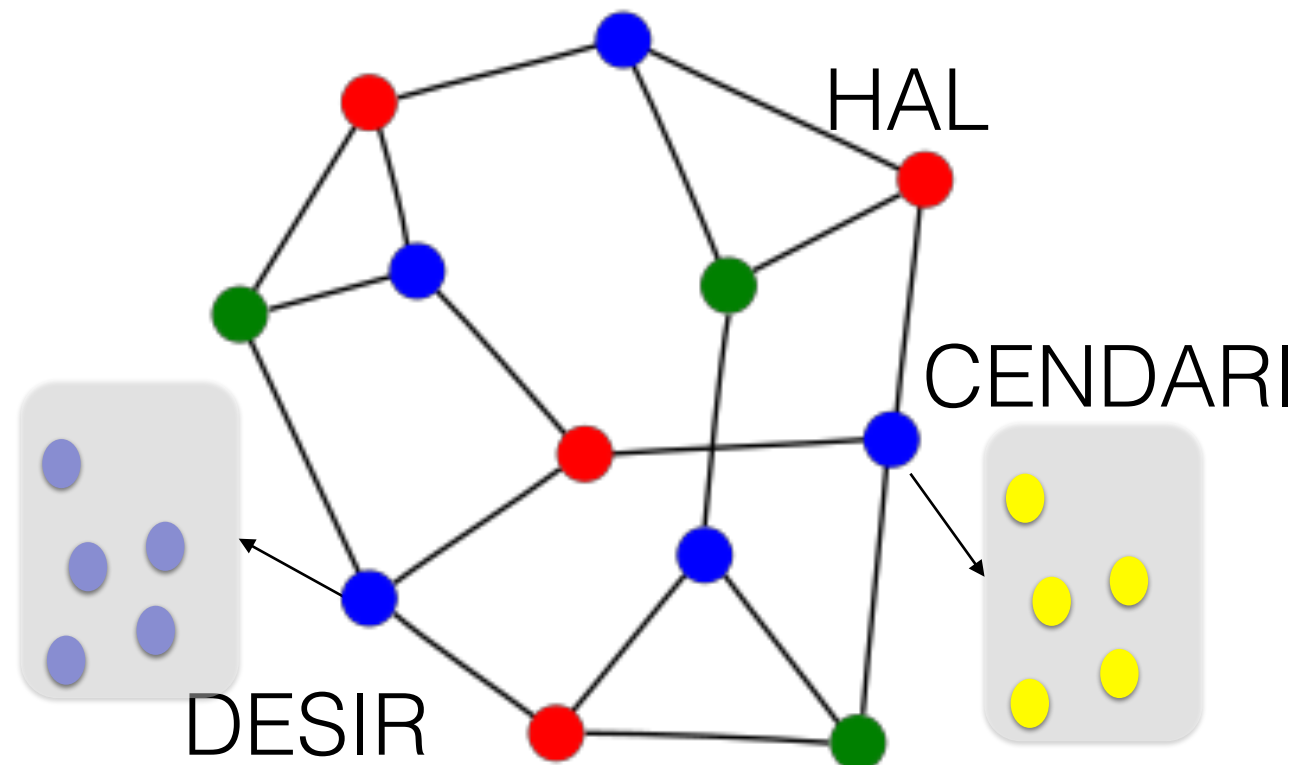
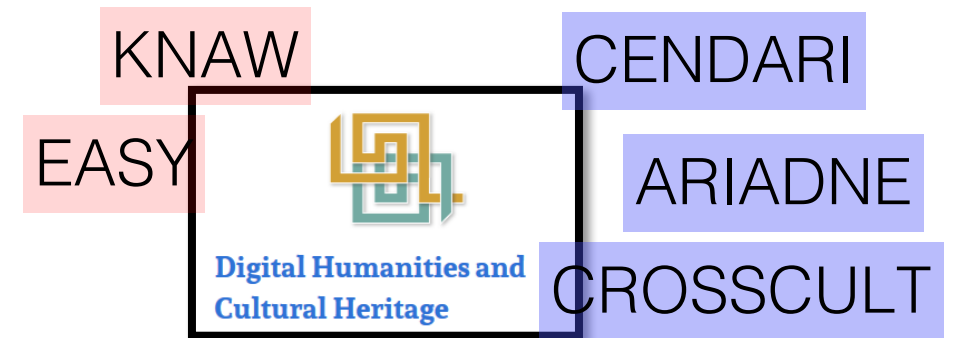
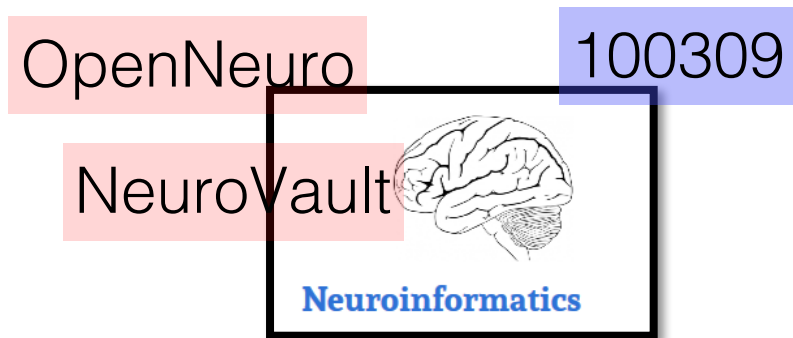
EASY



How it works... via project



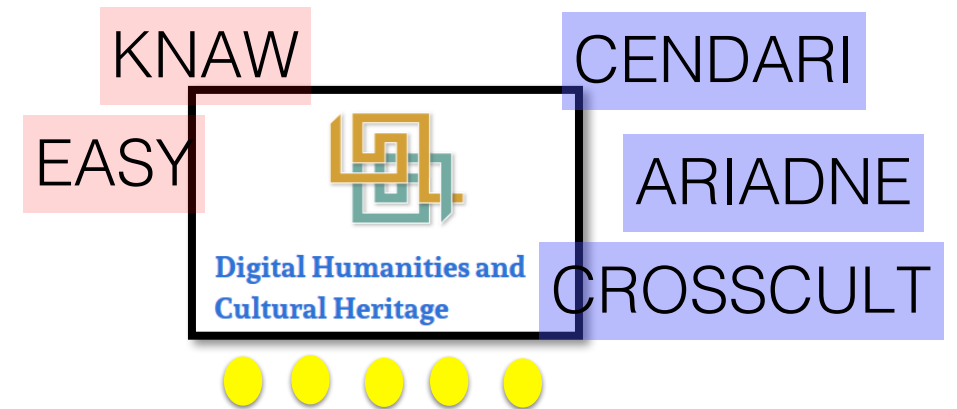
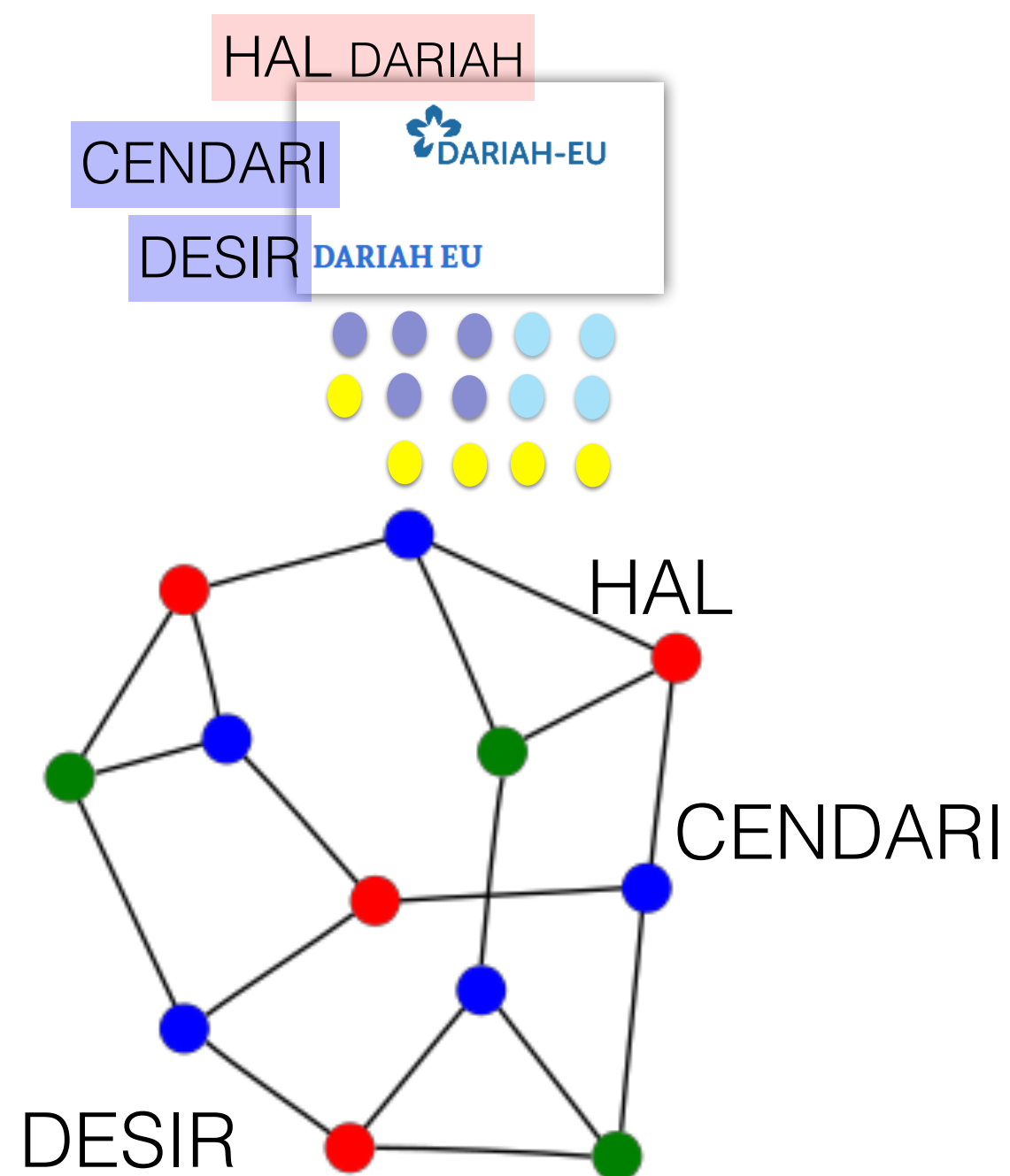
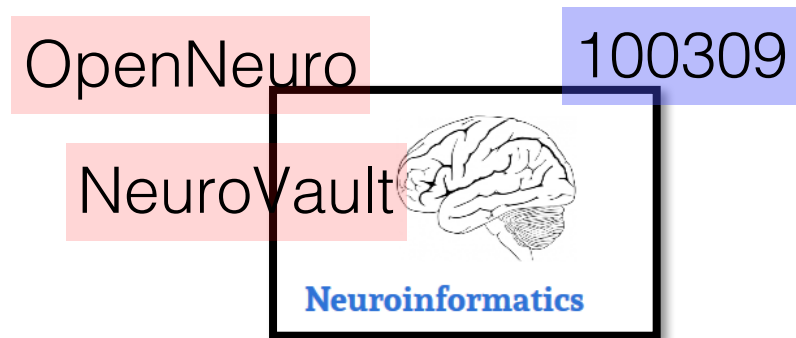
How it works... via project



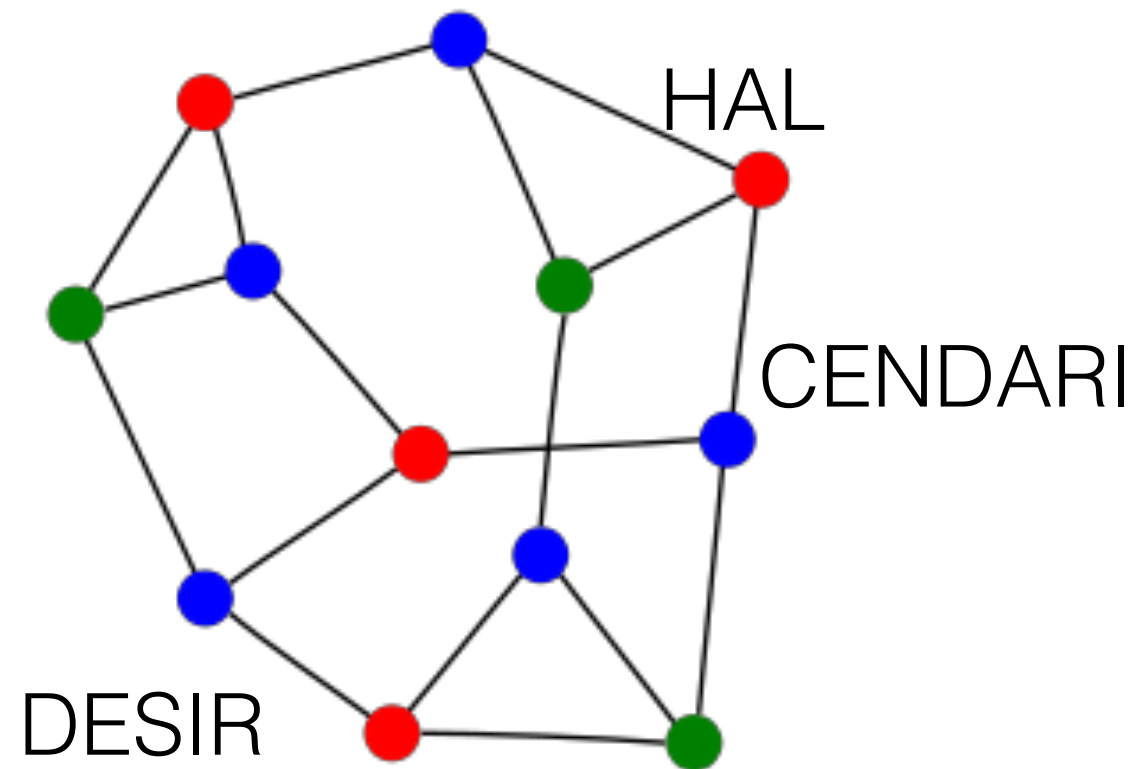
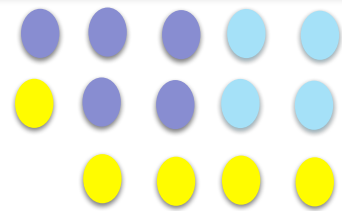
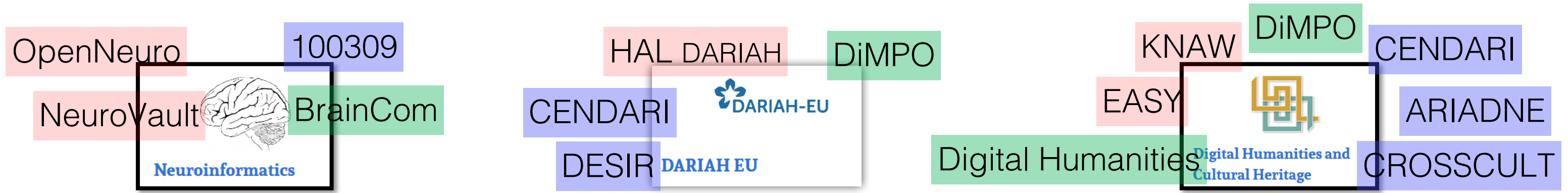
Cross datasource results associated to DESIR

Cross datasource results associated to CENDARI

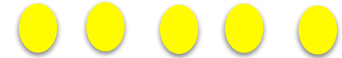
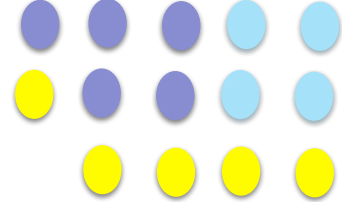
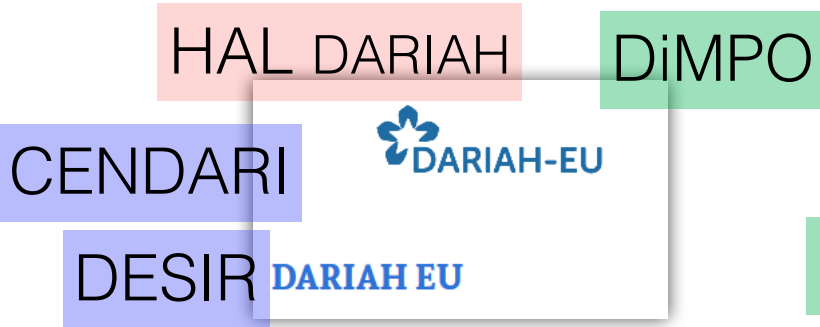
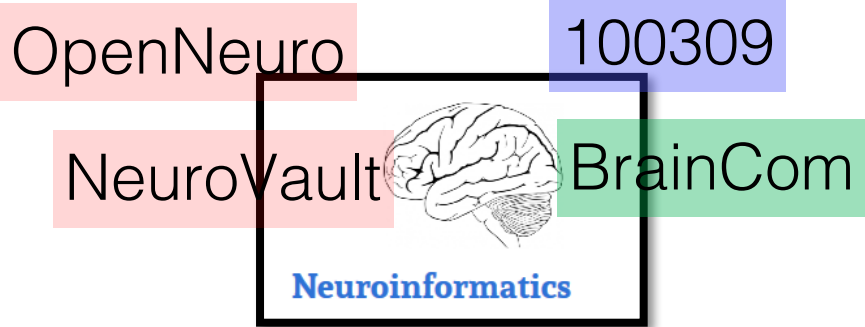
How it works... via project



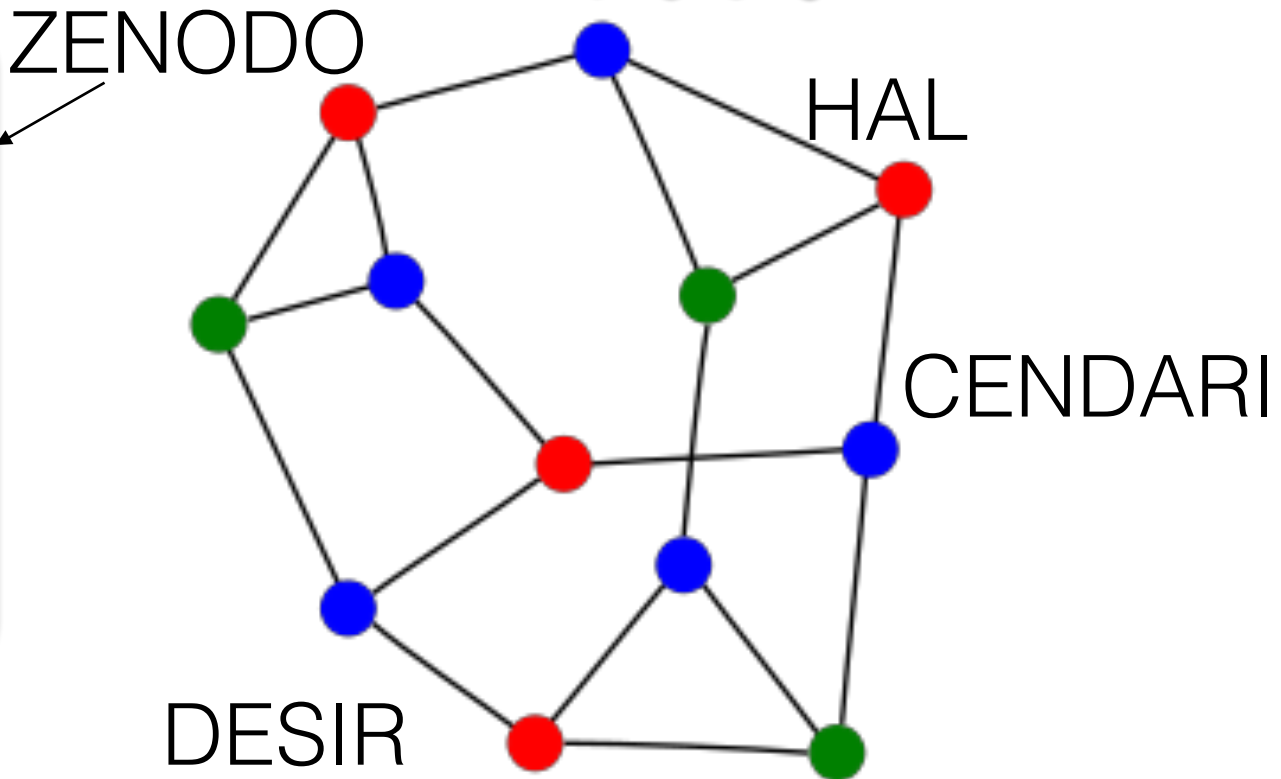
How it works... via Zenodo community



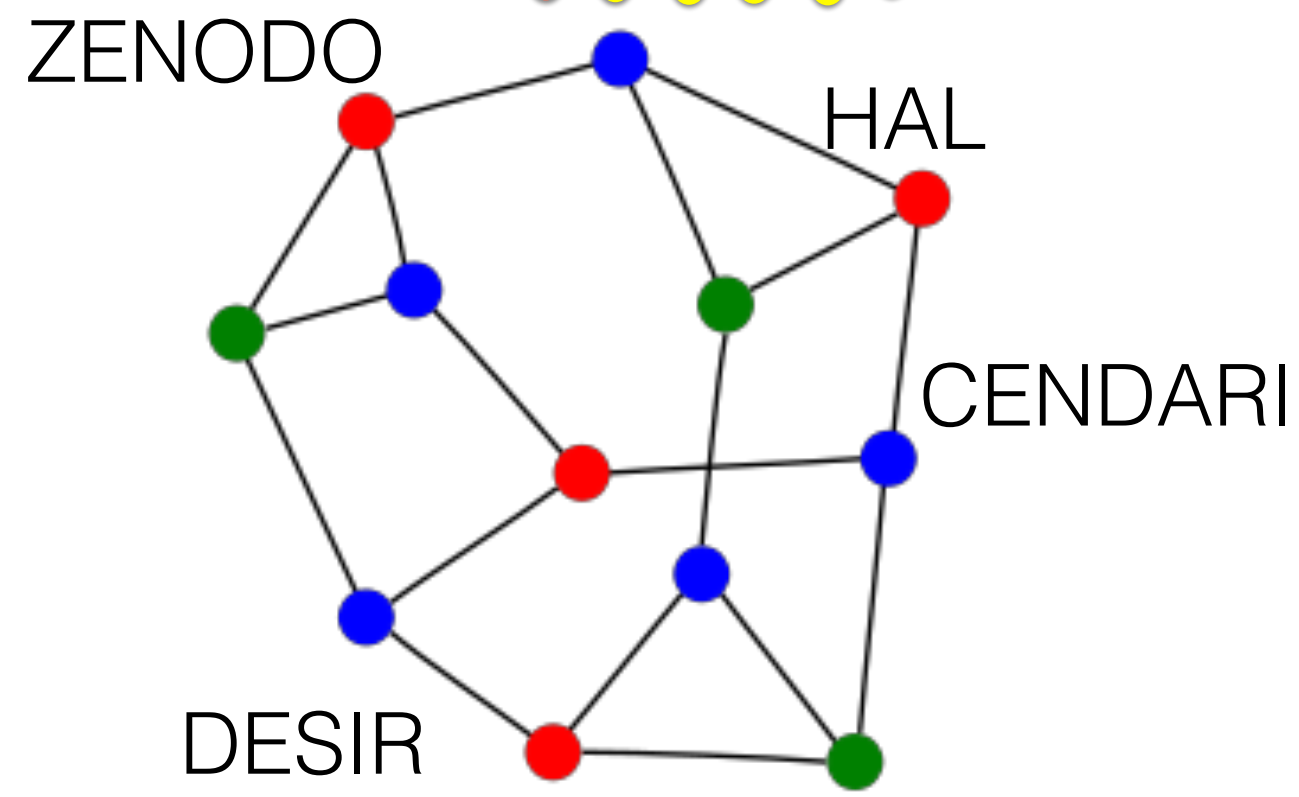
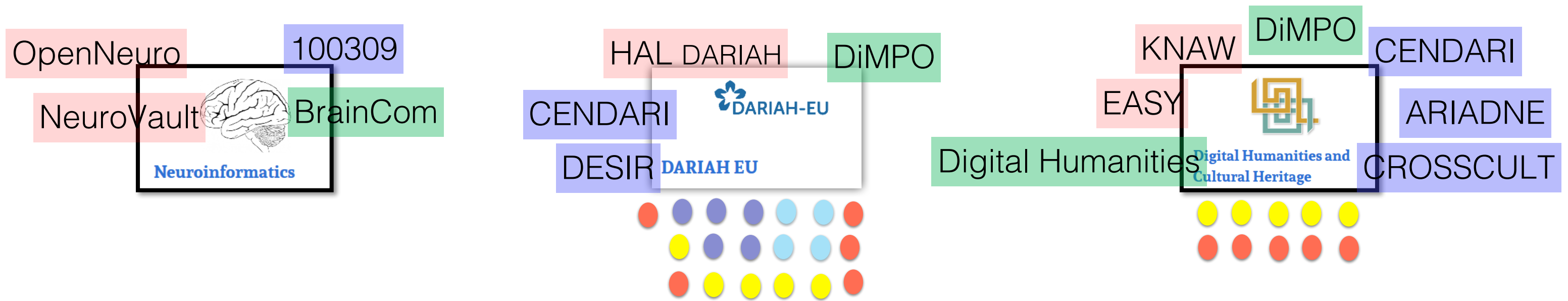
How it works... via Zenodo community



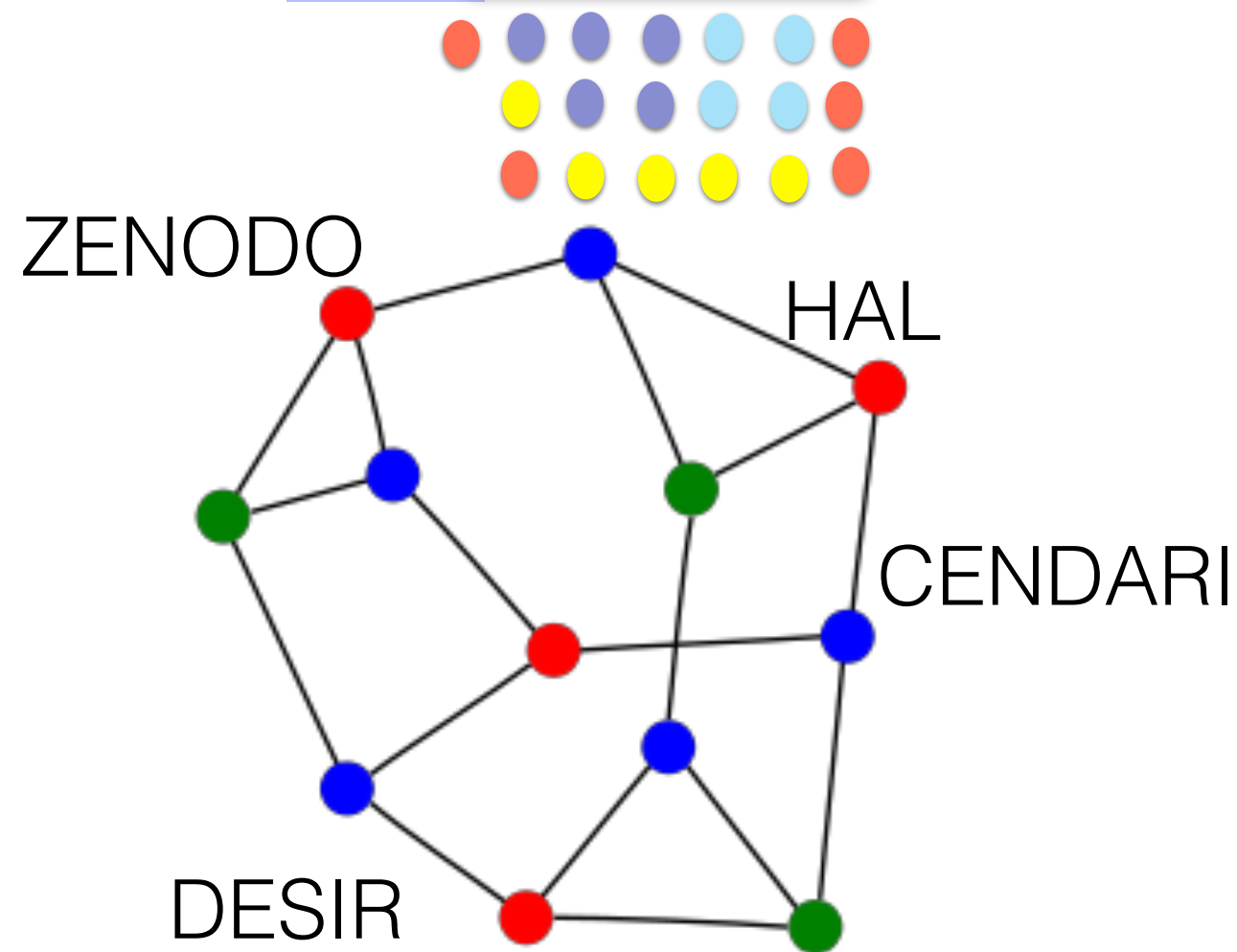
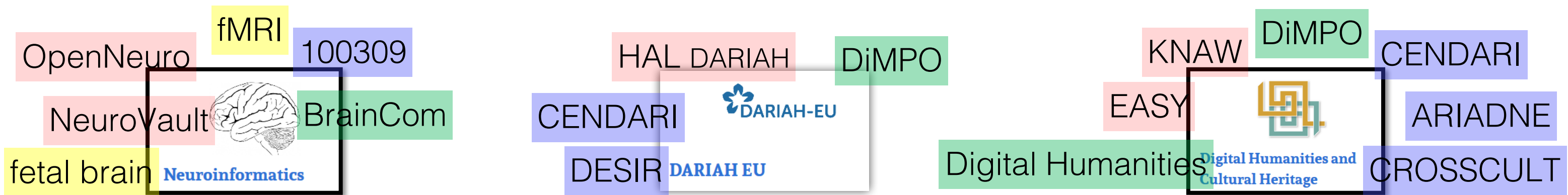
Subset of the Zenodo results associated to DIMPO



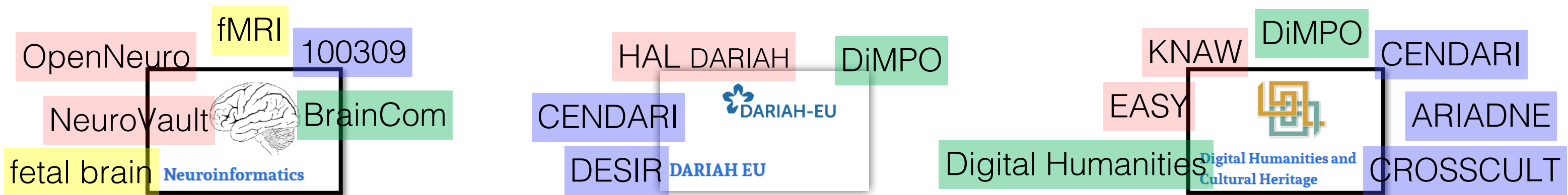
How it works... via Zenodo community



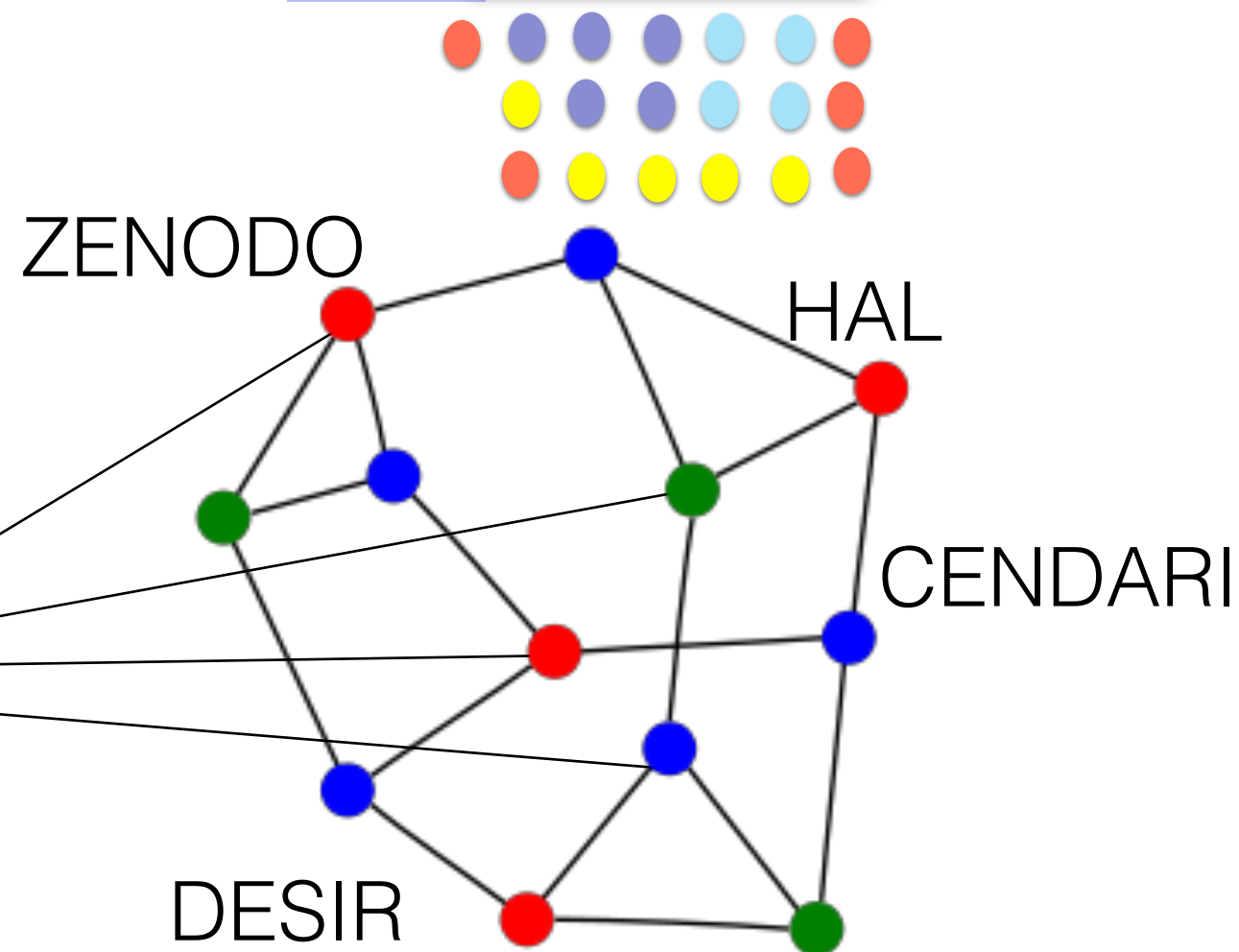
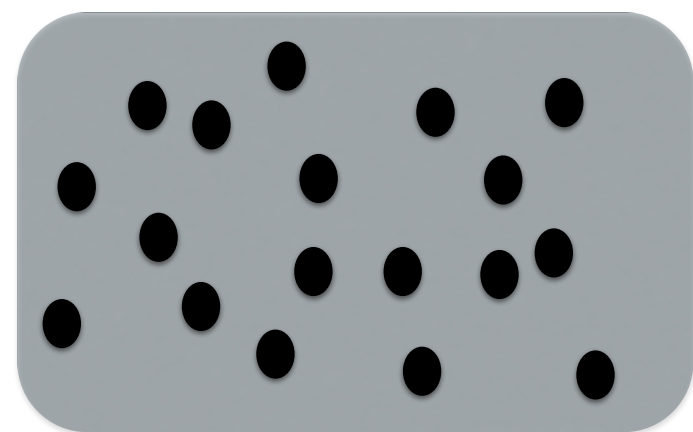
How it works... via subject/keyword



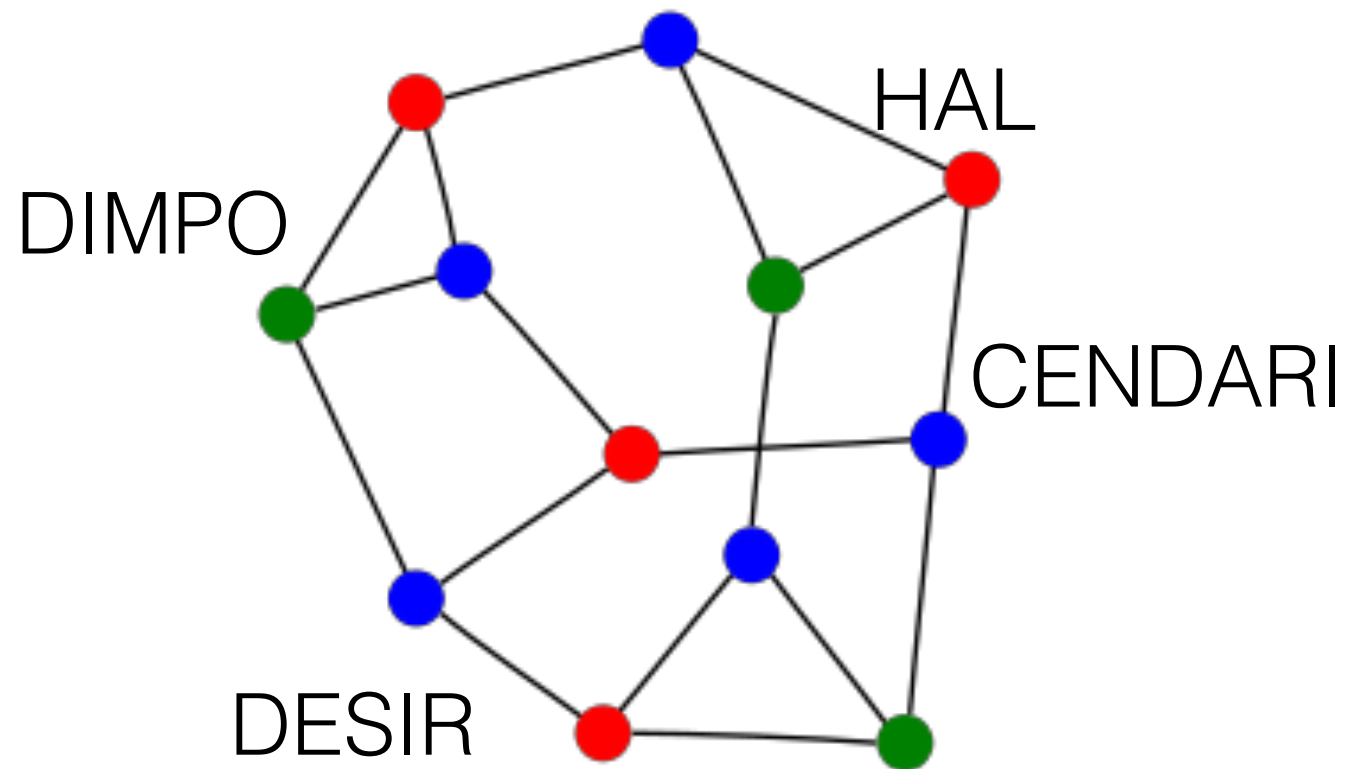
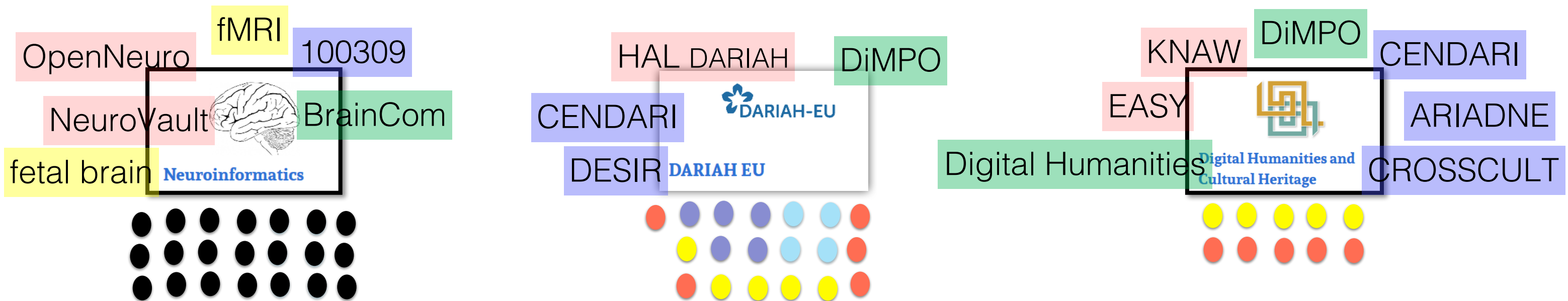
How it works... via subject/keyword



Cross datasource results associated to subjects



How it works... via subject/keyword



Share Community Contents:
Find a Repository to Share Community Results

DH-CH RCD: User View

Monitor Community Statistics:
Publications, Research Data, Software, Other Reserach Products

Link Research Research Results to your Community

Search Community Contents

Future Work

- **Propagation of context**
 - **Exploitation of the OpenAIRE research graph semantic links to infer result relevant for the community**
 - for results not directly linked by settings
- **On demand publishing from infrastructure**
 - **Publishing of research packages, produced results, and interlinking among them directly from the infrastructure**
 - Zenodo in the RCD Zenodo community
 - Other OpenAIRE compliant repository
 - **Services considered for the integration**
 - Nakala
 - TextGrid



Thank you!