**Desenvolvimento de redes nacionais de Data Stewards na Europa: casos de estudo e discussão de um roteiro para Portugal**

*Development of national Data Stewards networks in Europe: case studies and discussion of a roadmap for Portugal*

*Forum GDI – Jorge Noro | Instituto Politécnico de Setúbal, Novembro 2023*

Research Data Management is an emerging challenge.

At University of Coimbra, policies for open research data and open science are being developed (with task forces and consulting academic community).

New emerging careers, such as science managers and research data stewards, will play a relevant role.
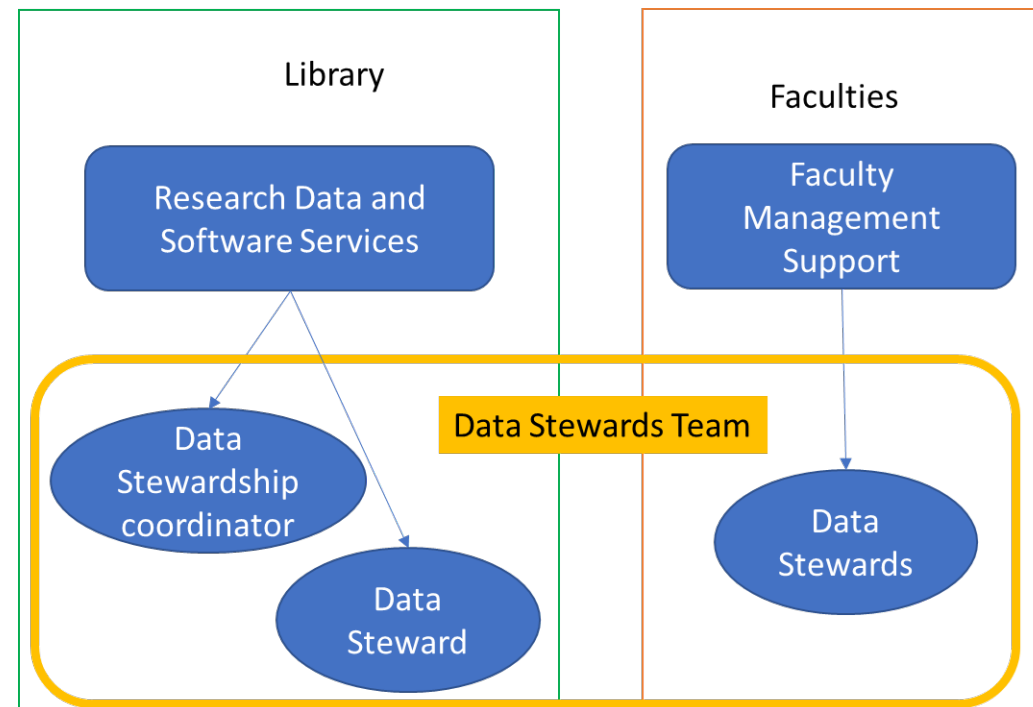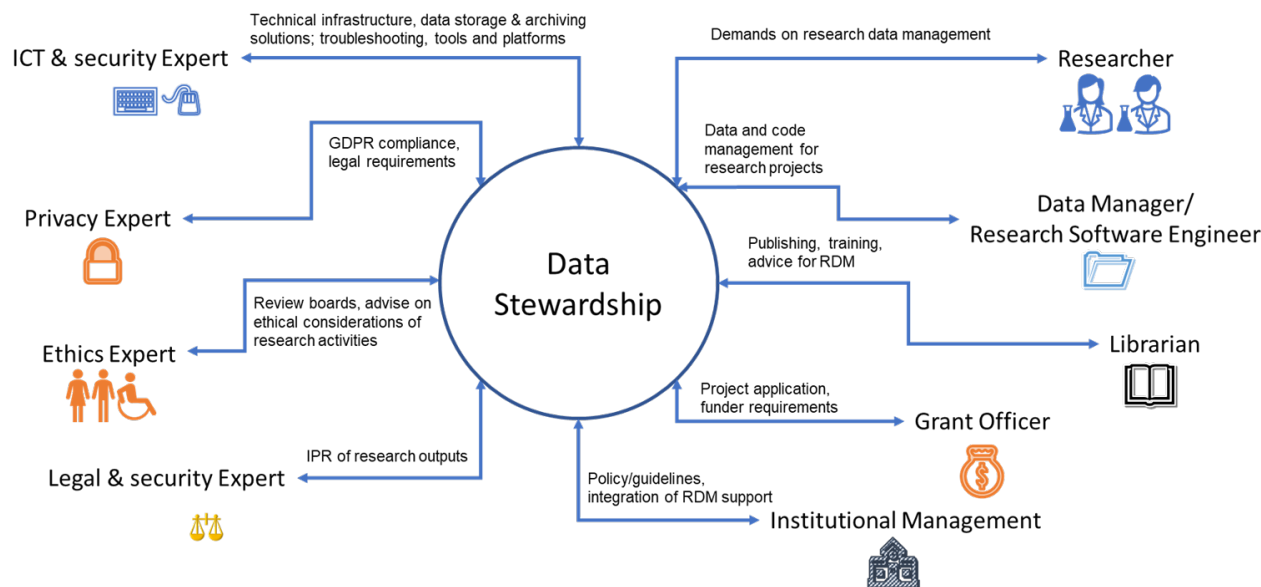
The organisation of Data Stewardship Services requires institutional commitment, resources allocation and training.

Benchmarking of recommendations and best practices is also being considered.

*(eg.: examples recently shared)*

# Development of national Data Stewards networks in Europe: case studies and discussion of a roadmap for Portugal



*Yan Wang, Data Stewardship Coordinator, TU Delft Library*

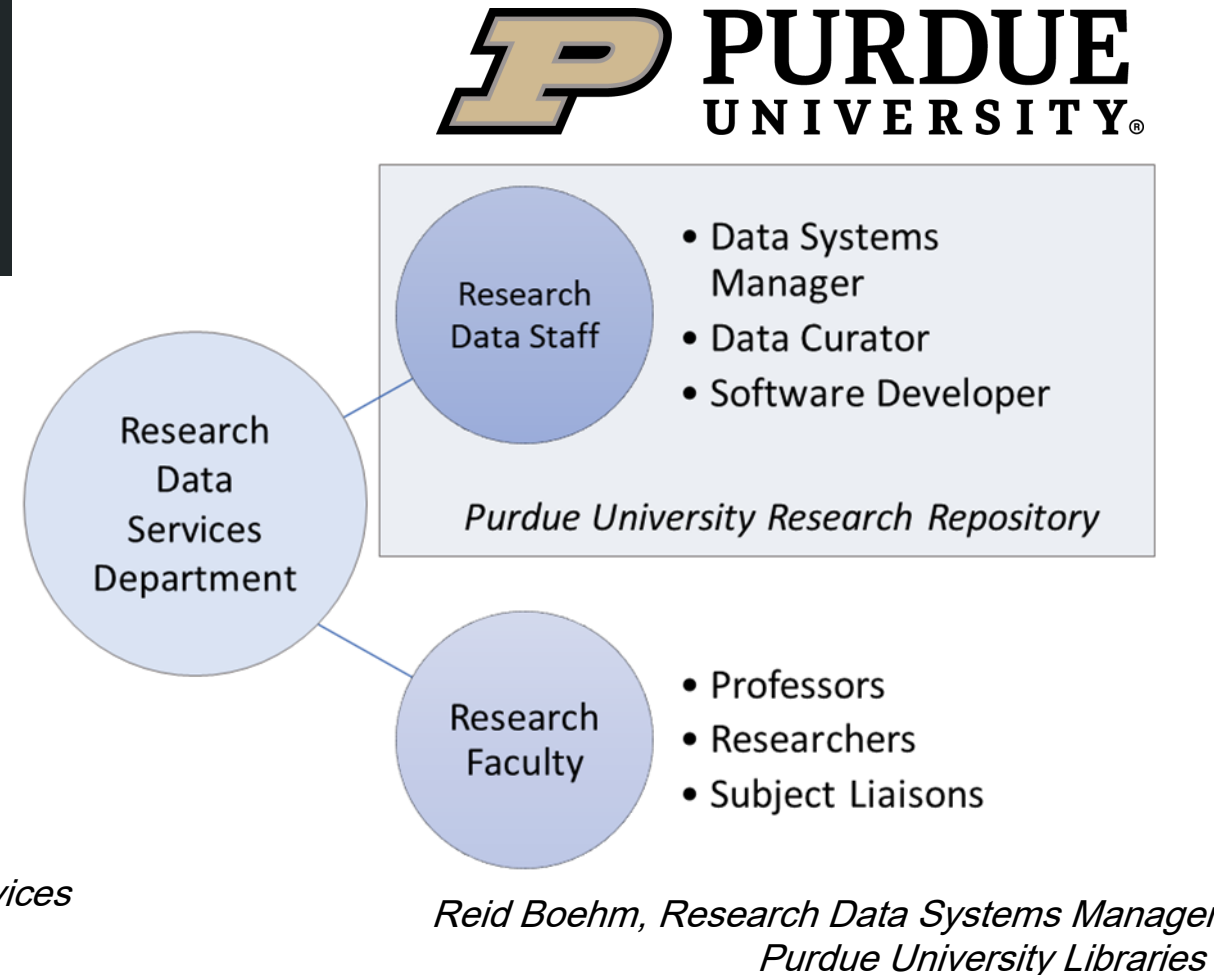# Development of national Data Stewards networks in Europe: case studies and discussion of a roadmap for Portugal

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## Organisation of Data Stewardship Services

### Case Studies from Dutch, North American, and Finnish Universities

**A!** **Aalto University**

**The data stewards** of Aalto University, called Data Agents, **are researchers** - typically staff scientists or post-docs - who receive a partial salary compensation for their activities to advance research data management related skills and knowledge at their department (Darst et al., 2019).

*Antti Rousi, Data Advisor, Aalto University Research Services*

**PURDUE UNIVERSITY®**



- **Research Data Staff**
  - Data Systems Manager
  - Data Curator
  - Software Developer

*Purdue University Research Repository*

- **Research Data Services Department**

- **Research Faculty**
  - Professors
  - Researchers
  - Subject Liaisons

*Reid Boehm, Research Data Systems Manager Purdue University Libraries*

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WE ARE HERE

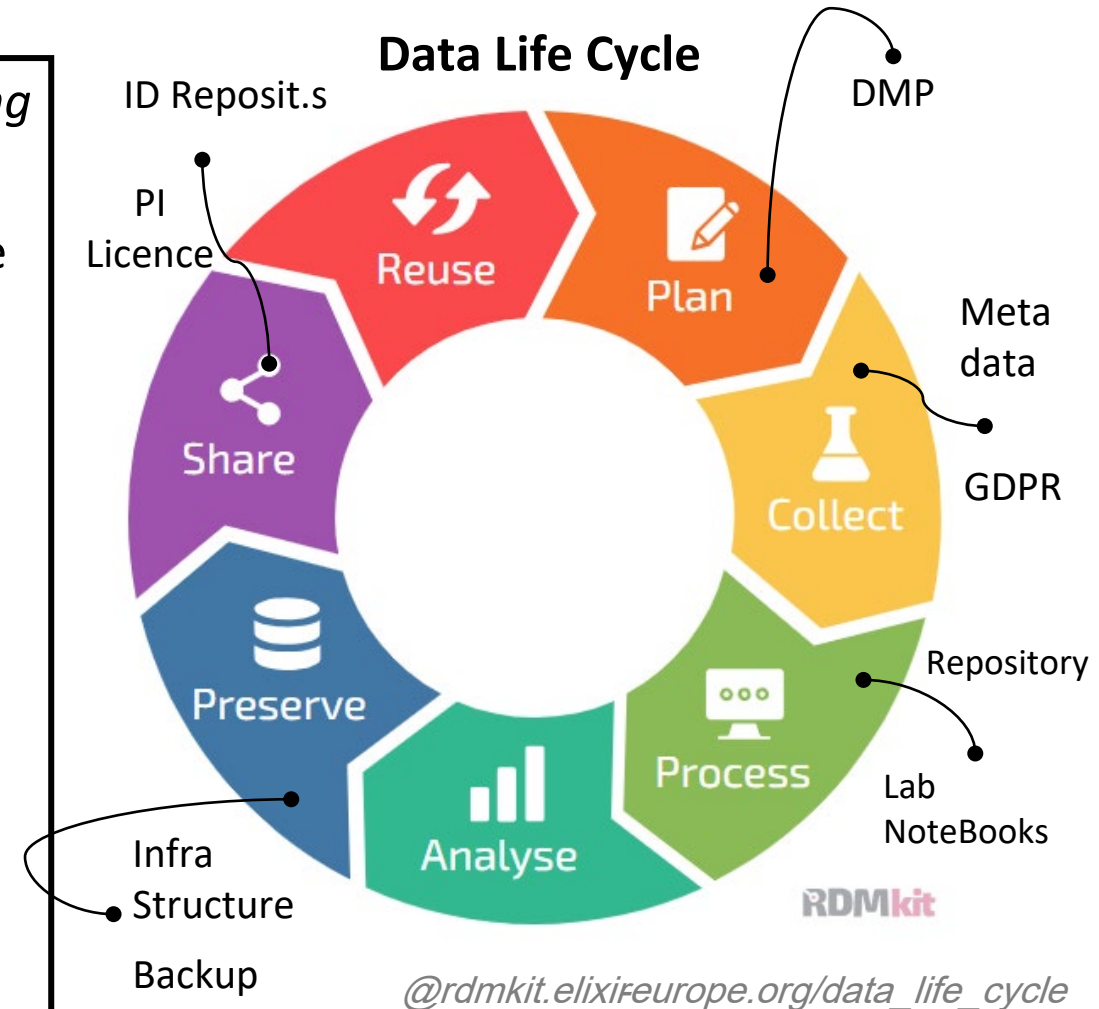*Actively participating on the following*

Memberships:

- Delegate member on the EOSC forum – Open Science careers, thematic subgroups, Org Tripartite events
- EARMA – debating new strategies/careers for DS
- National RDM Forum (GDI) – towards PT roadmaps (DS networks, Competence profiles, etc)

Internal actions:

-  Attending to best practices (DMPs, Training)
- Implementing a local Open Science Community
- Delivering recommendations to top decisors
- Promoting projects/ platforms (Operas, GoTriple, Coara)
- Receiving/giving specific training (DS@R&D Units)

**Data Life Cycle**

ID Reposit.s

PI Licence

DMP

Meta data

GDPR

Repository

Lab NoteBooks

Infra Structure

Backup

RDMkit

*@rdmkit.elixir-europe.org/data_life_cycle*

*Setúbal, Novembro 2023*

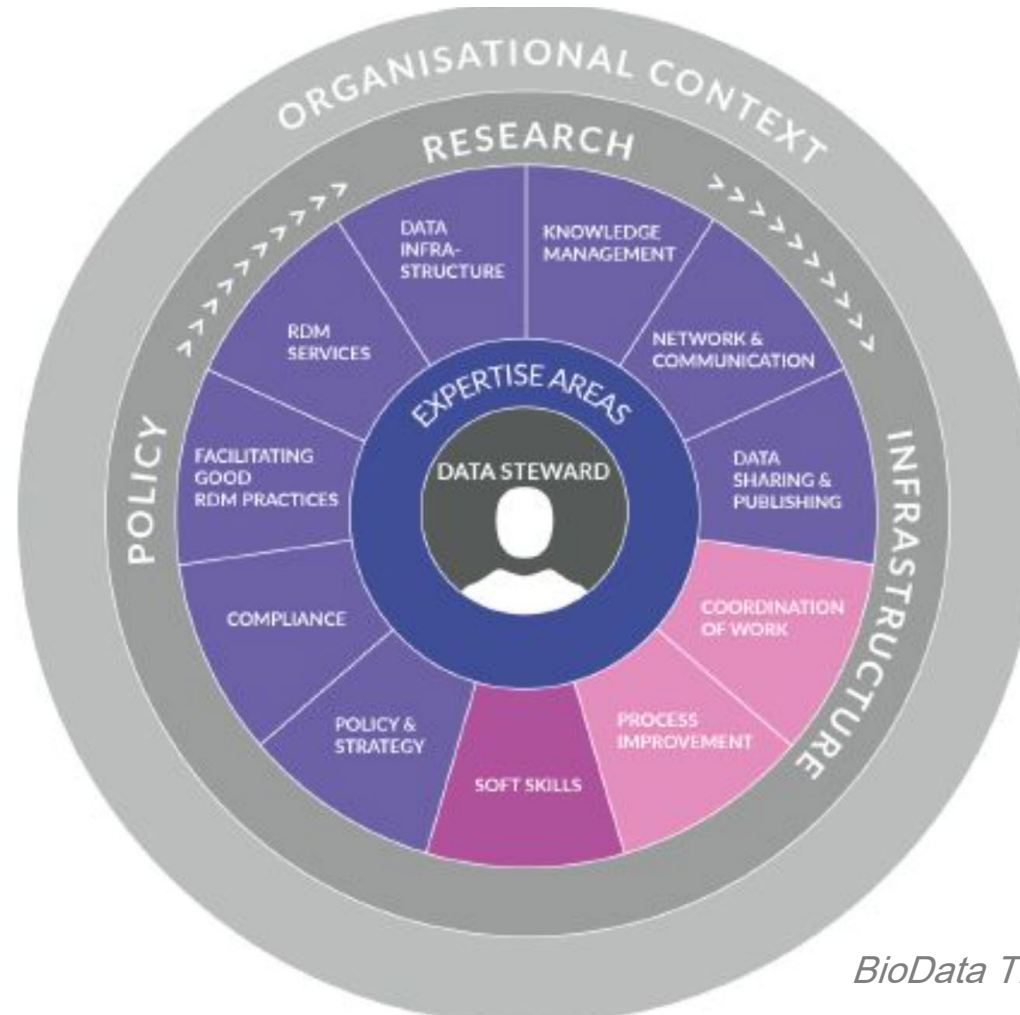Research Data Management competency profiles model attend to skills, org/ responsibilities and knowledge

*Fórum GDI, Grupo Formação e Competências*

Researchers may not be Data experts but basic competences are key to Responsible Research & Innovation ⮕ required interface profiles (eg: DS)

Research data management is a research area itself (including Data architecture, Data modeling, Data storage and maintenance, Security, Integration and interoperability, Metadata, Quality)

*BioData Training Data Stewards*

# Development of national Data Stewards networks in Europe: case studies and discussion of a roadmap for Portugal
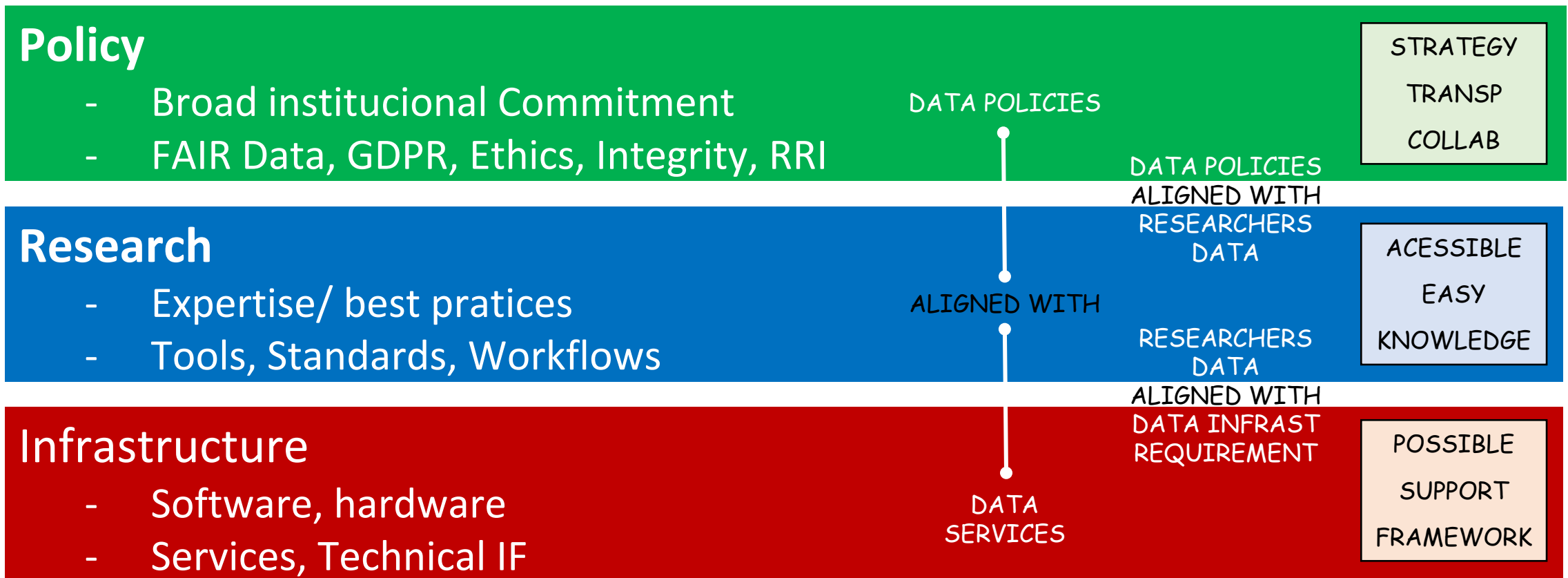


Resulting in a
Data Steward profile

*BioData Training Data Stewards*

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To be effective, national DS´s networks should consider:

**Policy**
- Broad institucional Commitment
- FAIR Data, GDPR, Ethics, Integrity, RRI

DATA POLICIES

DATA POLICIES
ALIGNED WITH

STRATEGY
TRANSP
COLLAB

**Research**
- Expertise/ best pratices
- Tools, Standards, Workflows

RESEARCHERS DATA

ALIGNED WITH

RESEARCHERS DATA
ALIGNED WITH

ACESSIBLE
EASY
KNOWLEDGE

**Infrastructure**
- Software, hardware
- Services, Technical IF

DATA INFRAST REQUIREMENT

DATA SERVICES

POSSIBLE
SUPPORT
FRAMEWORK

# Thank you!

[jnoro@uc.pt](mailto:jnoro@uc.pt)

*By the GDI group agents at University of Coimbra*
*(librarians, science mng.s, researchers, assist. researchers)*

*P'lo grupo GDI de agentes da Universidade de Coimbra*
*(bibliotecários/as, curadores/as, gestores/as de ciência, investigadores/as)*