



Data sharing in EOSC-hub

Perspectives on “sensitive” data

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eosc-hub.eu

Dissemination level: Public



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- “EOSC-hub brings together multiple service providers to create the Hub: a single contact point for European researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research”
- Key facts
 - start: January 2018; end: December 2020
 - 100 partners, 53 countries, 19 research communities
 - 49 services ready for use
 - funded under EU H2020 grant agreement 777536

- Working group on data sharing policy
 - Rob Baxter (EPCC)
 - Yin Chen, Yannick Legre (EGI.eu)
 - Ilona von Stein, Frans Huigen (DANS)
 - Susheel Varma (EMBL-EBI)
 - Serena Battaglia, Christian Ohmann (ECRIN)
 - Michaela Th. Mayrhofer (BBMRI)
- Jan 2019: R. Baxter *et al*, EOSC-hub D2.8:
 - *First data policy recommendations*
- Building on:
 - S. Battaglia *et al*, EOSCpilot D3.3: *Draft Policy Recommendations*
 - S. Hodson, S. Jones *et al*, European Commission Expert Group on FAIR Data, *Turning FAIR into reality*

- Adopt 11 EOSCpilot recommendations...
 - (a lot of good work already done; don't reinvent the wheel!)
- ...as 22 practical suggestions for data sharing...
 - (what steps can EOSC-hub service providers start taking?)
- ...best summarised as...
 1. implement FAIR
 2. build technical expertise in safe data and safe settings
 3. support development of wider ethical and info gov frameworks

1. Implement FAIR

- Take a “Web first” approach
- Aim for good 3-star data *
 - open, non-proprietary, machine-readable formats
- Adopt resolvable persistent identifiers (PIDs)
 - PIDs point to landing pages (emerging good practice†)
- Standardise “findability” metadata
 - OpenAIRE & DataCite guidelines, plus a DataTag
 - embedded in landing pages using schema.org
- Share open data using CC 4.0

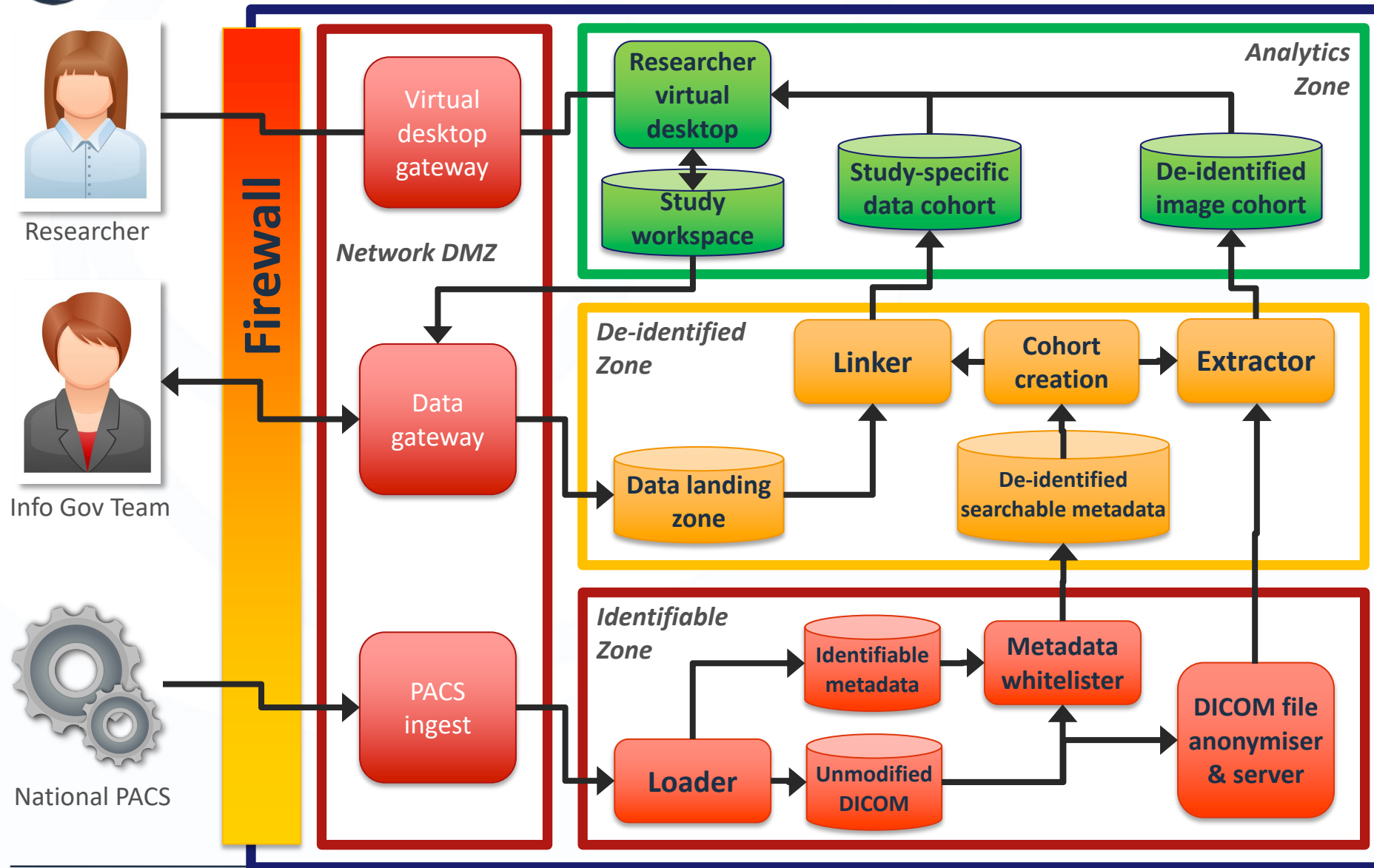
* cf. 5stardata.info

† cf. www.freya-project.eu

2. Safe data and safe settings

- FAIR \neq Open, and not all data are open
 - *EOSC-hub (and Europe) have an opportunity to lead the world in making sensitive data **safely** and **ethically** available for research*
- Adopt the “5 safes” approach to data sharing:
 - safe data, safe settings, safe people, safe projects, safe outputs
- EOSC-hub should build expertise in “safe settings”
 - don't send data to users, enable users to come to data
 - develop Safe Haven services (later)

- EOSC-hub should support wider information governance needed for 5 safes
 - safe settings (services) & safe data (tags etc.) are not sufficient
 - safe people, safe projects, safe outputs need governance
- Engage in development of ethical oversight function
 - EOSCpilot's suggested *Ethics and Legal Advisory Board*
 - part of "EOSC governance"?
- Engagement with European Data Protection Board?
 - should EOSC-hub propose a ("GDPR") Code of Conduct?

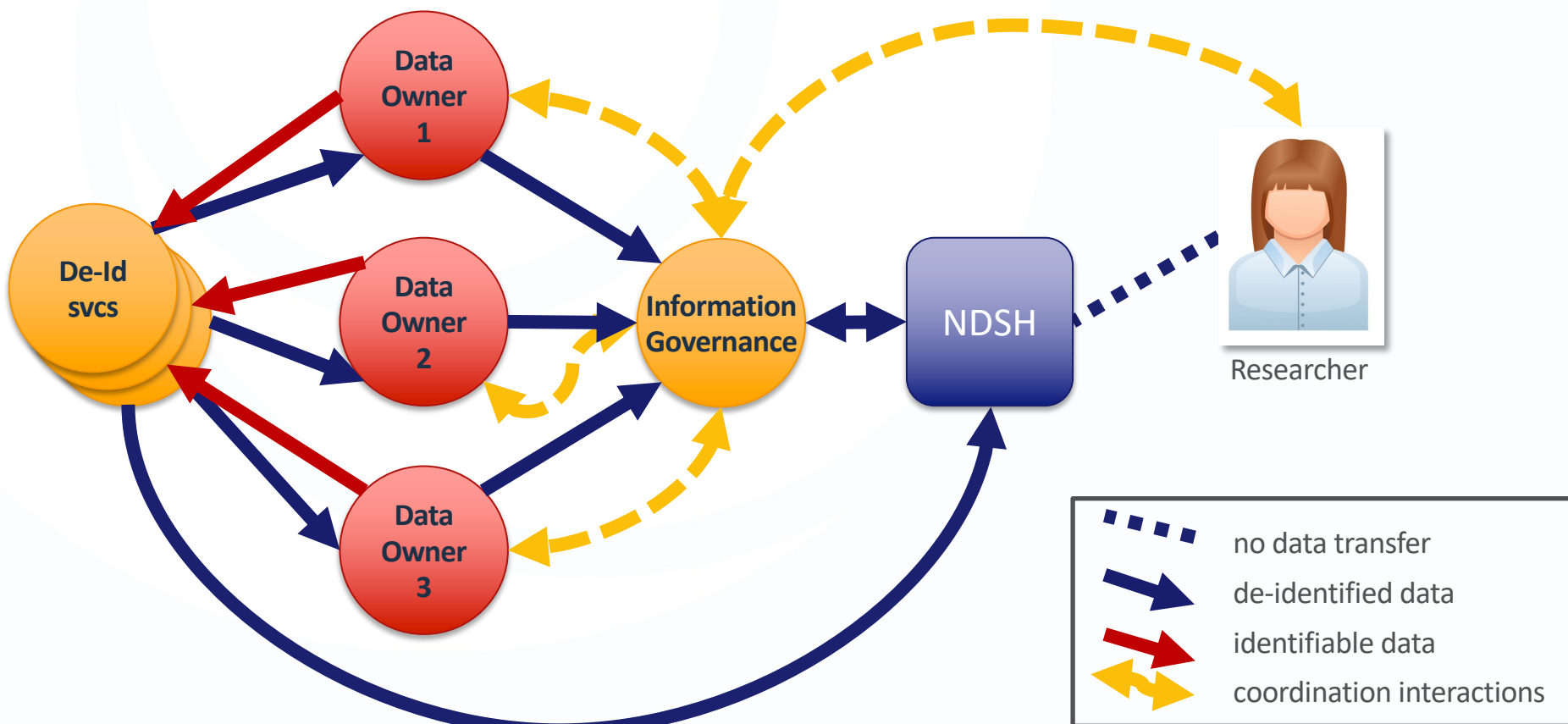


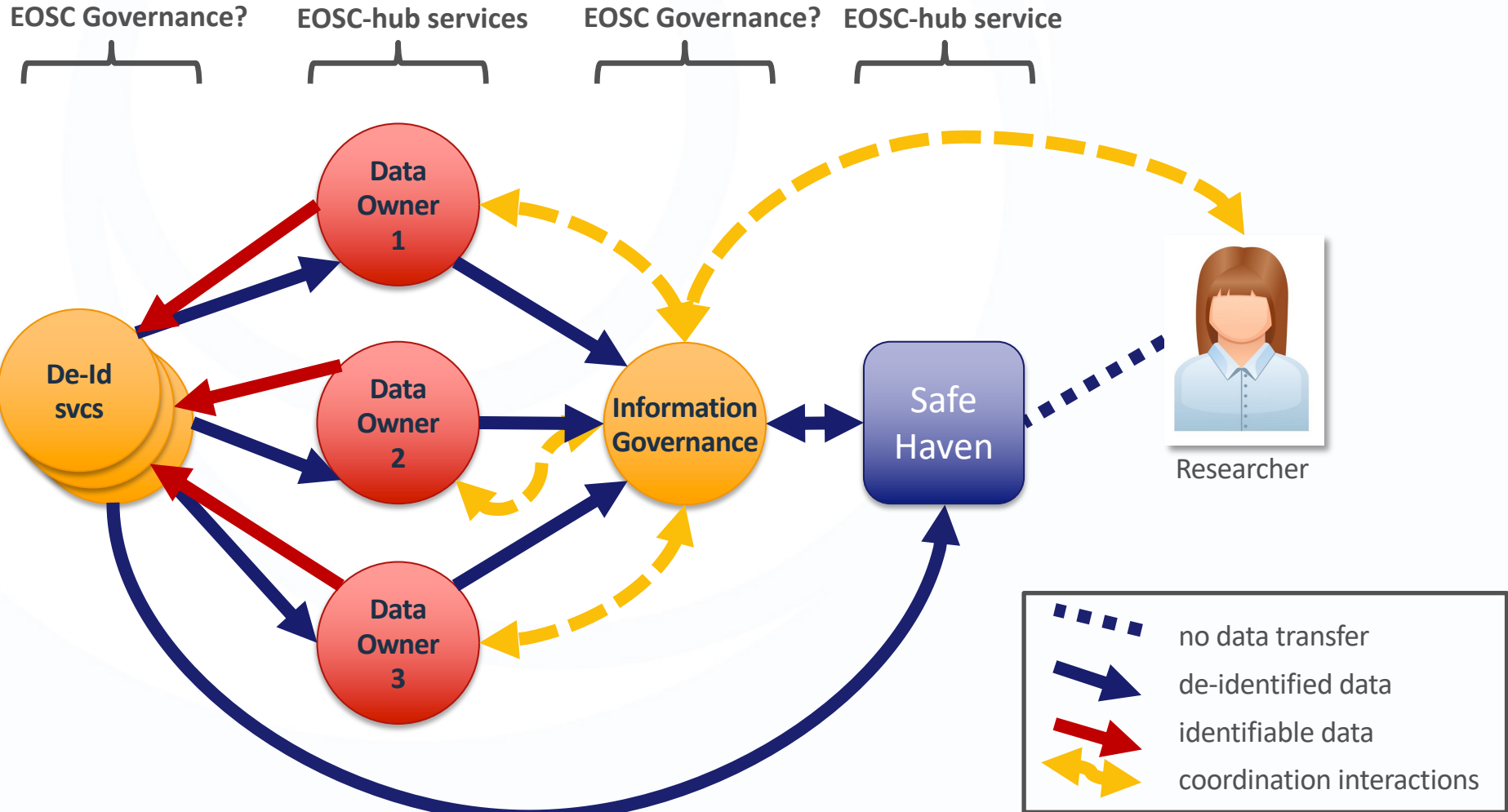
National Registers
of Scotland

NHS & other
data owners

NHS eDRIS research
coordination team

EPCC hosted
service





- Safe settings are well developed in social science
 - and becoming joined up
 - e.g. International Data Access Network, <https://idan.network>
- In life sciences?
 - some regional/national safe haven services exist
 - does the model make sense (as a pattern for expansion)?
 - what about the suggestion: stop share-by-copy?
 - do we have the e-Infra in place?
 - how do we go about international info gov?
 - Codes of Conduct? Ethics and Legal Advisory Board?

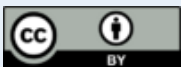
Thank you for your attention!

Questions?



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