

Services to support the national Open Science agenda

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SIG MSP meeting

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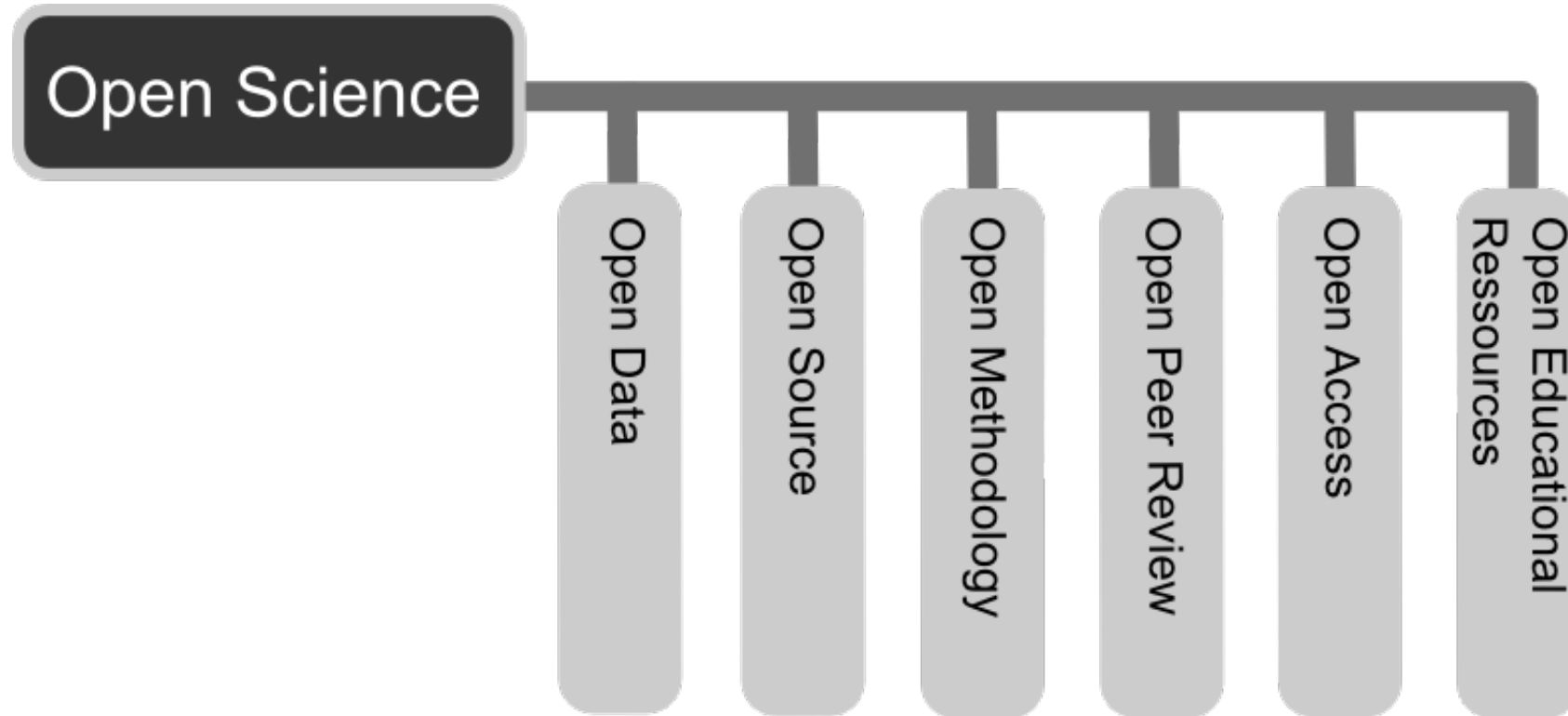
What is Open Science?

“science carried out and communicated in a manner which allows others to contribute, collaborate and add to the research effort, with all kinds of data, results and protocols made freely available at different stages of the research process.”

Research Information Network, Open Science case studies
[www.rin.ac.uk/our-work/data-management-and-curation/
open-science-case-studies](http://www.rin.ac.uk/our-work/data-management-and-curation/open-science-case-studies)

**OPEN SCIENCE:
JUST
SCIENCE
DONE RIGHT**

The spectrum of Open Science



Strategic importance of Open Science

- Growing importance of data in the eyes of the EC
 - EOSC, European data lake, AI, data cubes, quantum...
- Increasing national Open Science policy / strategy
- GÉANT and NRENs in many critical groups and projects
 - Open Science Cloud Expert Group, EOSC Governance and Exec Board, EOSC-Enhance, disciplinary cluster projects, regional projects e.g. EOSC-Nordic..

What is happening on a national level?

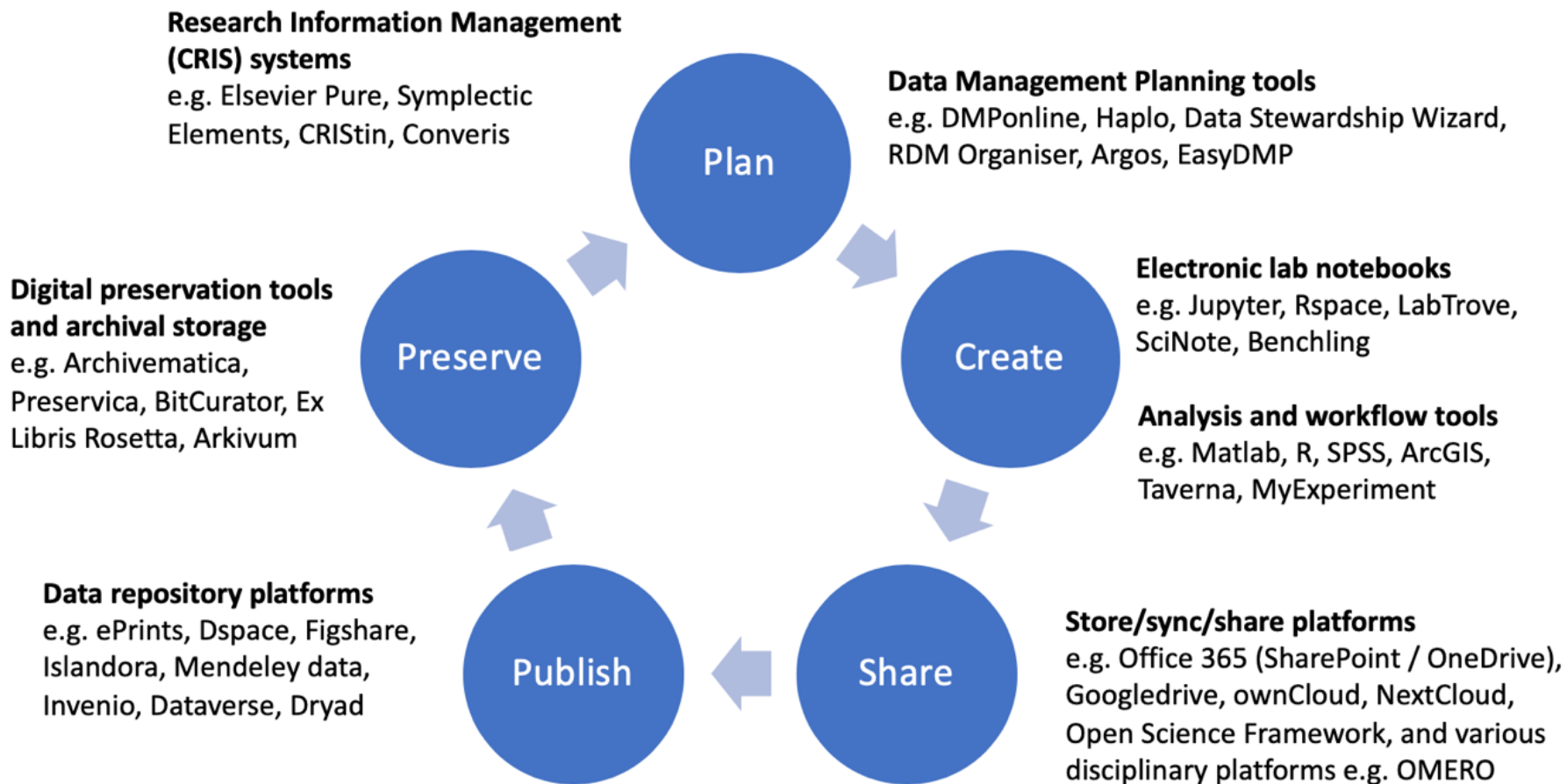
- National strategy & policy
- Open Science Coordinator role
- RDA node / OpenAIRE NOAD
- Discussion forum / Working Groups
- Investment in projects e.g. DLCM in Switzerland
- National services e.g. DMPTuuli or IRIS in Italy



Institutional data services

highly variable, hybrid environment

- Nobody has it all
- Mix of bespoke applications, OSS & commercial
- Different status across institutions & countries



A preliminary attempt at mapping the landscape

Country	EOSC Association / Mandated Organisation	Strategic national Open Science agenda	National Open Science policy	National Open Science coordinator	National OS infrastructure or projects	National advisory body or discussion forum	National/institutional services					Summary note
							DMP tool	Data stewards in unis	National data repositories	RDA node / OpehAIRE NOAD	Other e.g. FAIR support, training, procurement offerings	
Belgium	●	◎	●	◎	◎	●	●	◎	●	◎	○	Open Science activity is advancing, led mainly by universities.
Denmark	●	●	●	○	●	●	●	◎	●	●	●	DeiC heavily involved in national OS/FAIR service delivery
Switzerland	●	●	◎	◎	●	◎	○	◎	●	◎	○	A good degree of work is underway and Switch is involved
Turkey	◎	○	◎	○	○	○	○	○	●	◎	●	Some work is underway and the NREN is very keen to support OS
UK	◎	●	●	◎	●	●	●	◎	●	●	●	Lots is underway and Jisc plays a key role

○	No activity
◎	Partial activity
●	Full activity
◎	Partial activity – NREN active
●	Full activity – NREN active

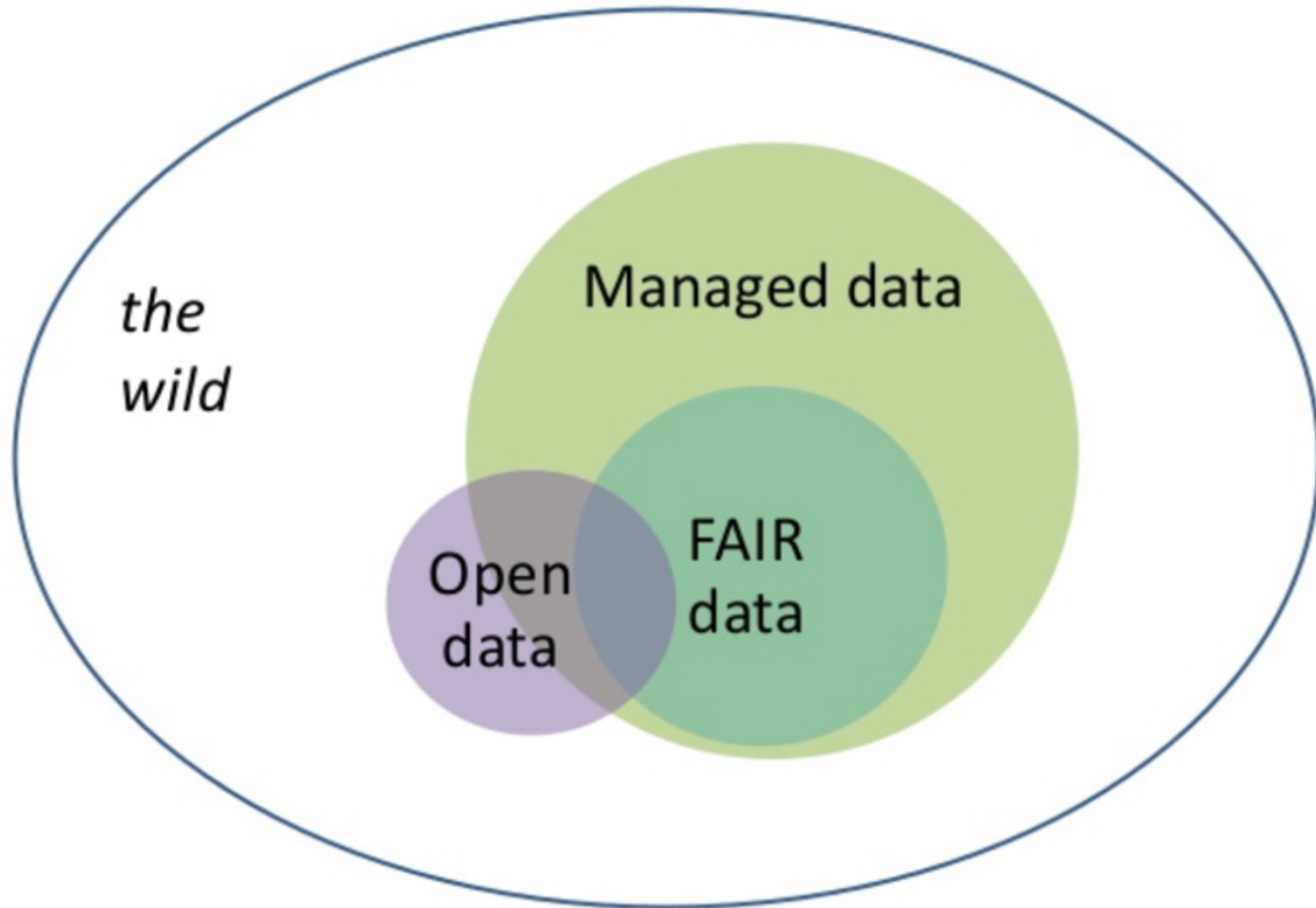


Work in progress!

Challenges...



A lot of data isn't managed, let alone Open or FAIR



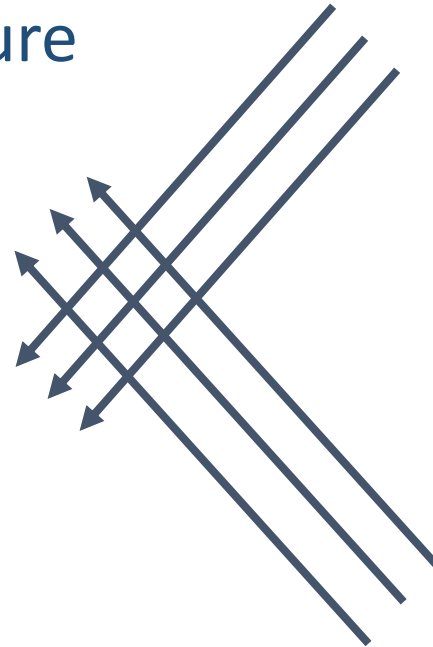
Institutional support provision is uncoordinated

- Different units / teams are responsible for different systems
- Often lacking a joined up, strategic view on services
- Poor data exchange / reuse between systems
- Can mean having to liaise with multiple teams

Procedures for choosing service delivery may limit options

- Open source / open infrastructure
- Bespoke internal services
- Commercial tools

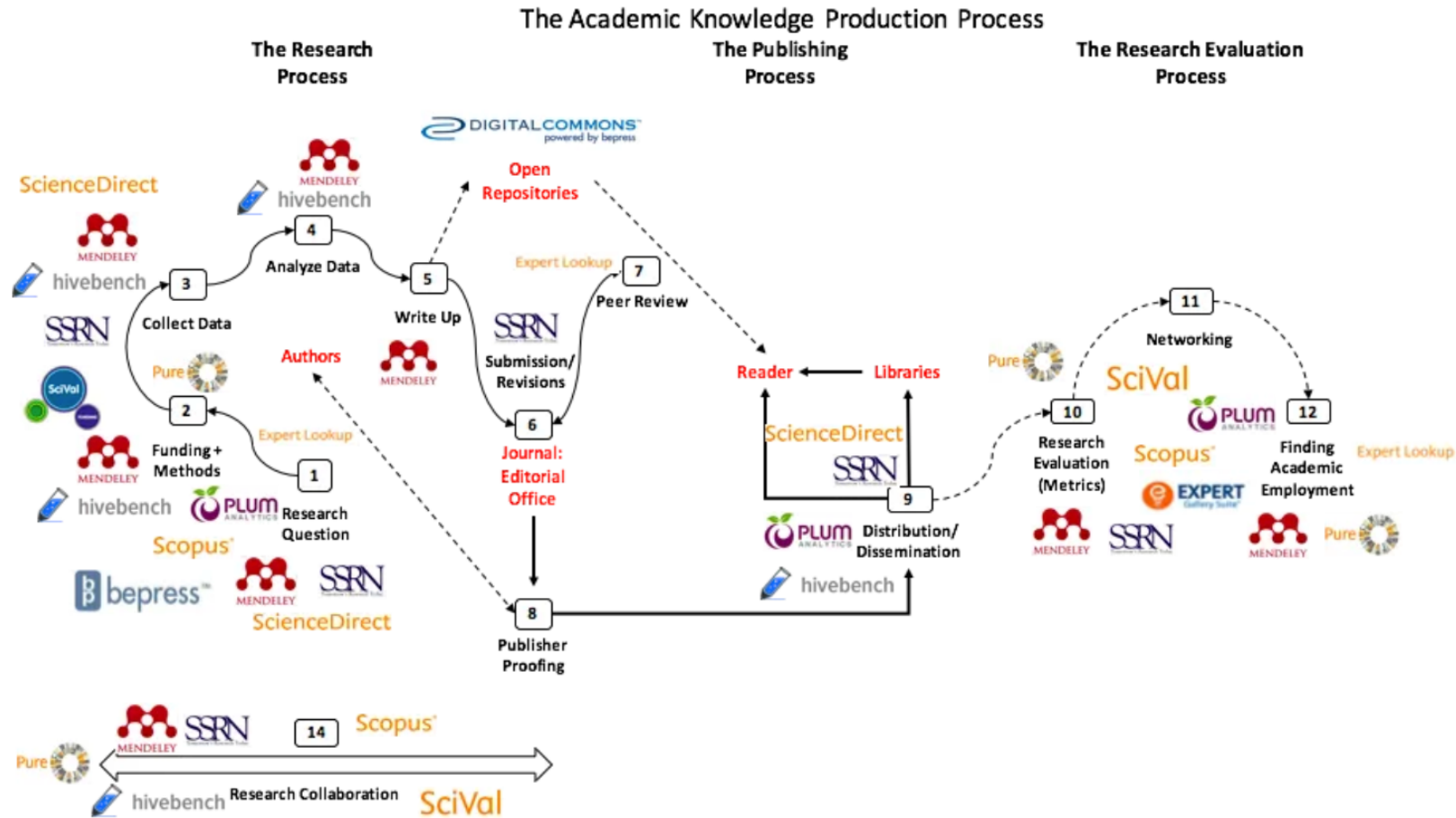
- Self-hosted
- Partnerships
- Run by third-parties
- National services



What?

How?

The commercial sector is gaining control



<http://knowledgegap.org/index.php/sub-projects/rent-seeking-and-financialization-of-the-academic-publishing-industry/preliminary-findings>

What does this mean for you?



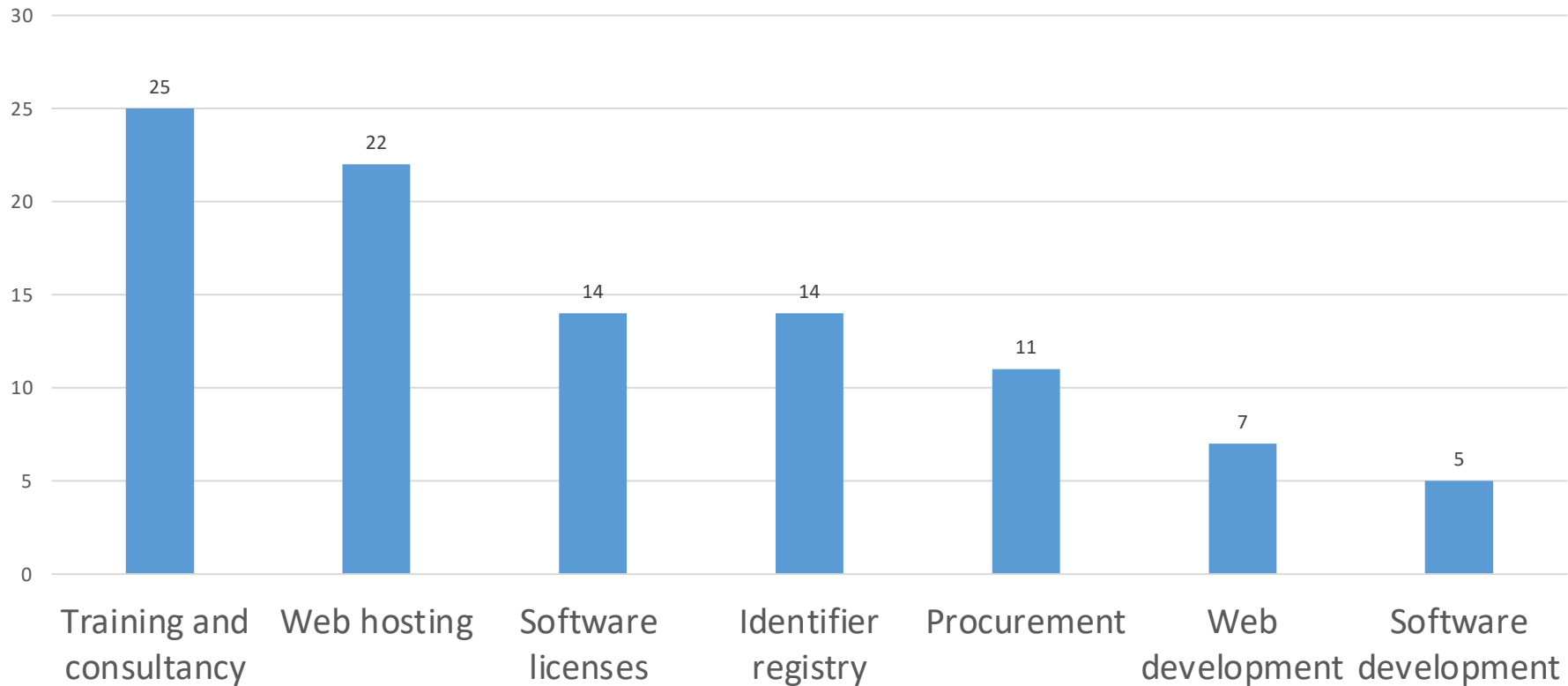
Expanding service portfolios?

Collaboration services offered by NRENs in 2019



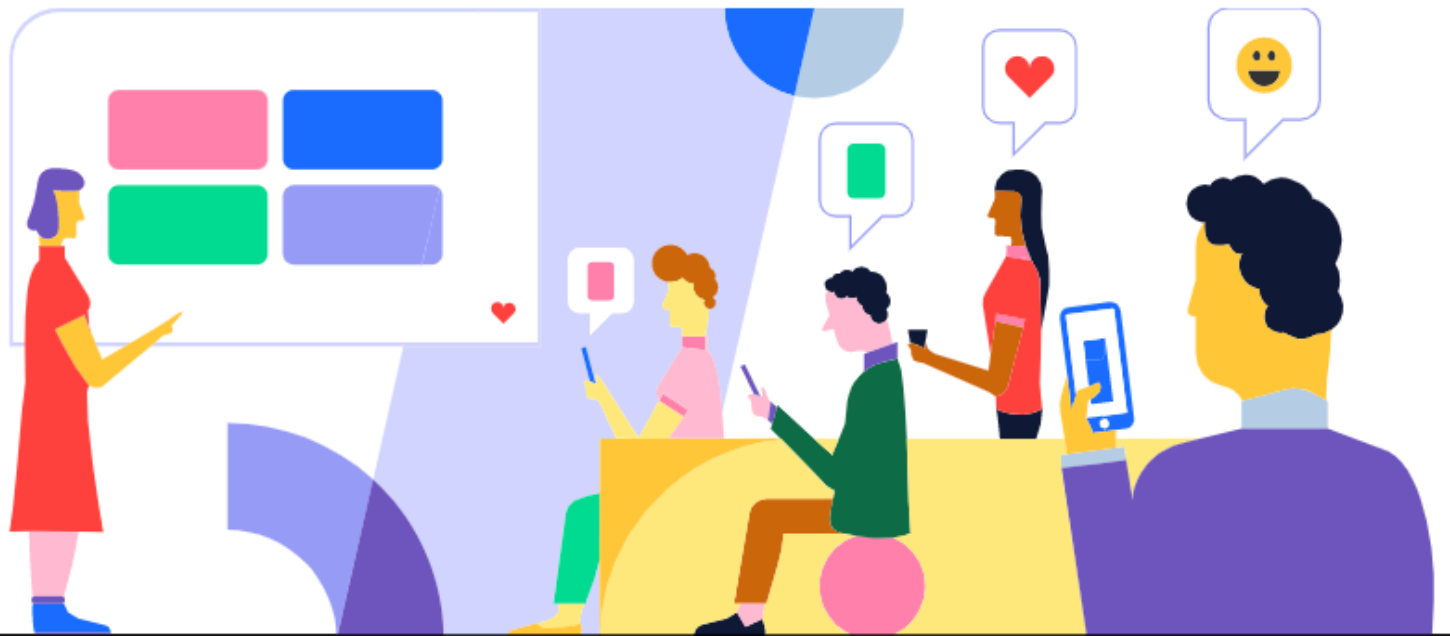
Services relevant to data and Open Science?

Professional services offered by NRENs in 2019



Where do you think GÉANT & NRENs should go?

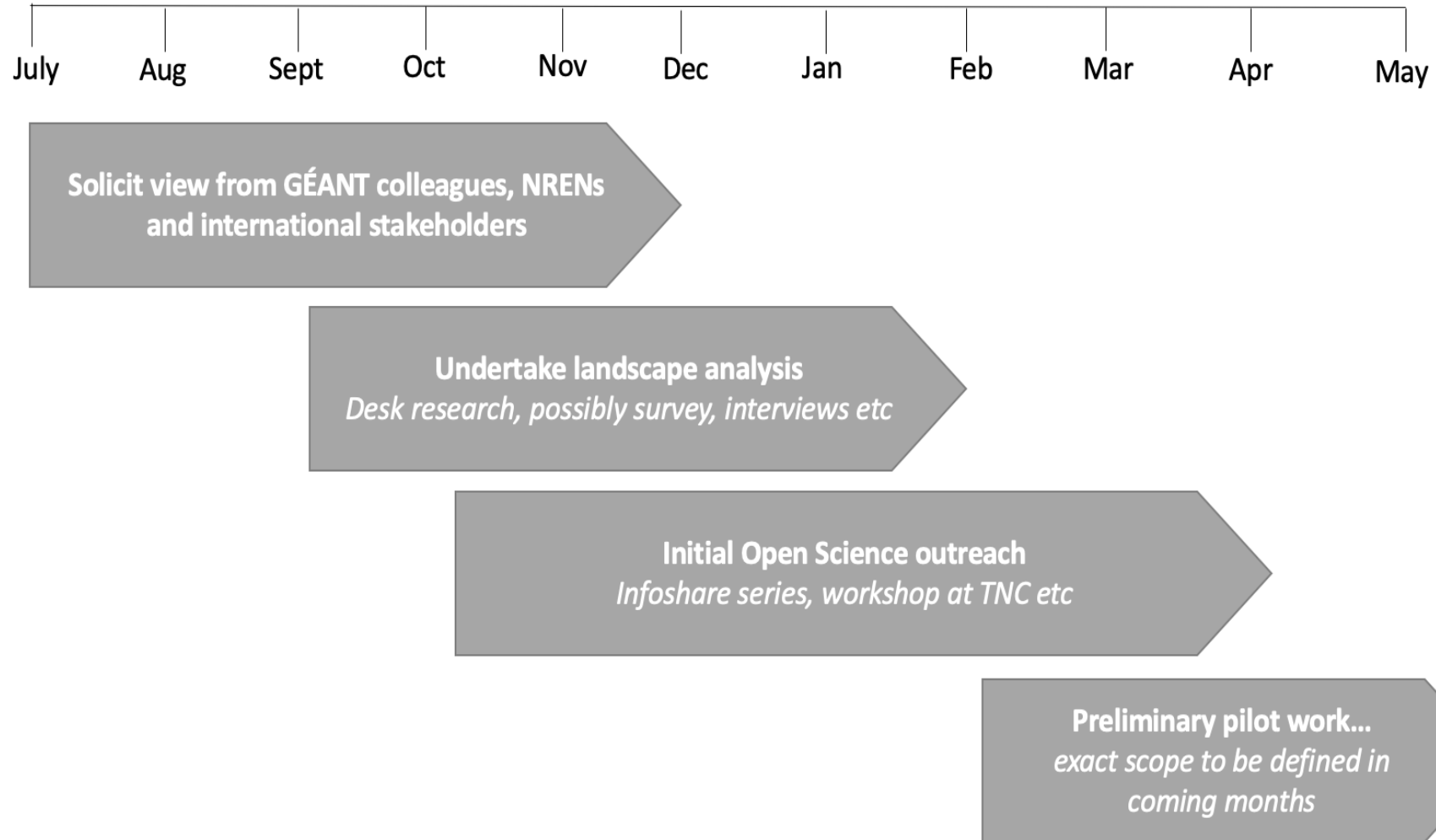
Go to www.menti.com
and use code
19 40 121



My recommendations for comment

- Involve NREN in strategic coordination on national level
- Increase Open Science skills so NRENs can advise and act as or collaborate with national hub – RDA / GÉANT partnership?
- Explore options for a European-wide procurement framework for research data services
- Facilitate data service delivery where desired e.g. Cybera work
- Research community collaboration e.g. ESA, Copernicus

Proposed action plan



Upcoming events that may be of interest

- [Open Science infoshares](#), 14th Oct, 4th Nov, 2nd Dec, 13th Jan, all at 14-15:30 CEST
- [NREN EOSC coordination meeting](#), 12 October, 2pm CEST
- [EOSC Symposium](#), 19-22 October, mornings
- [Workshop on delivering RDM services](#), 2-6 November, 9-11pm CEST daily
- [RDA plenary](#), 9-12 November
 - [Call for posters](#) open currently. Present your work!

Thank you

Any questions?

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