



Agenda

- Welcome to the GO FAIR US Data Stewardship IG Mtg
- Registration responses
- Background (Katie Knight, ORNL)
- Mentimeter & discussion
- US-RSE experience (Sandra Gesing, Notre Dame)
- Next steps

Responses to our call

~ 70 registrations

Where are you coming from:

NIH, NHLBI, NIEH, ORNL, SDSC, Figshare, 18F, GSA, Notre Dame, Lyrisis, U of Rio de Janeiro, U of Cincinnati, KIU, U of Illinois, Musée de la Civilisation, AGU, U of New Mexico, OME, Axveco, BLM, BNL, NCRI, NASA, LBL, Research Space, CDC, CNA, RENCI, Embrapa, CNB, OSTI, African Union, U of Iowa, KM, RSU, U of Ljubljana, HESC, Maastricht U, FSU, Smartlogic, RTI, DOE, Sage Bionetworks, U of Manchester, NRC Canada, IUPUI, UK Polar Data Center...

What brought you to the Interest Group...

- Curriculum/Training (What is available?)
- Professionalization/Job Descriptions/Career Paths
- Experiences/Examples/Lessons Learned
- Application/Implementation/Operationalization (Individual, Service, Organization)
- Standards/Norms/Recommendations
- Search & Discovery/Collections
- CARE Principles
- Models/Simulations/Data at Scale
- Guidance/Tips/Best Practices for Researchers
- Tools/Approaches/Workflows (to help w/ FAIR)
- (FAIR) Data Management Processes/Research Data Lifecycle
- Network/Community/Shared Infrastructure
- Incentives for Research Community
- Mapping to Other Initiatives
- Role of Library
- Sensitive Data
- Vocabulary Standards
- Policies/Awareness

WORLD VIEW · 25 FEBRUARY 2020

Invest 5% of research funds in ensuring data are reusable



It is irresponsible to support research but not data stewardship, says Barend Mons.

Barend Mons 

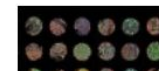


Many of the world's hardest problems can be tackled only with data-intensive, computer-assisted research. And I'd speculate that the vast majority of research data are never published. Huge sums of taxpayer funds go to waste because such data cannot be reused. Policies for data reuse are falling into place, but fixing the situation will require more resources than the scientific community is willing to face.

 [PDF version](#)

Related Articles

Credit data generators for data reuse

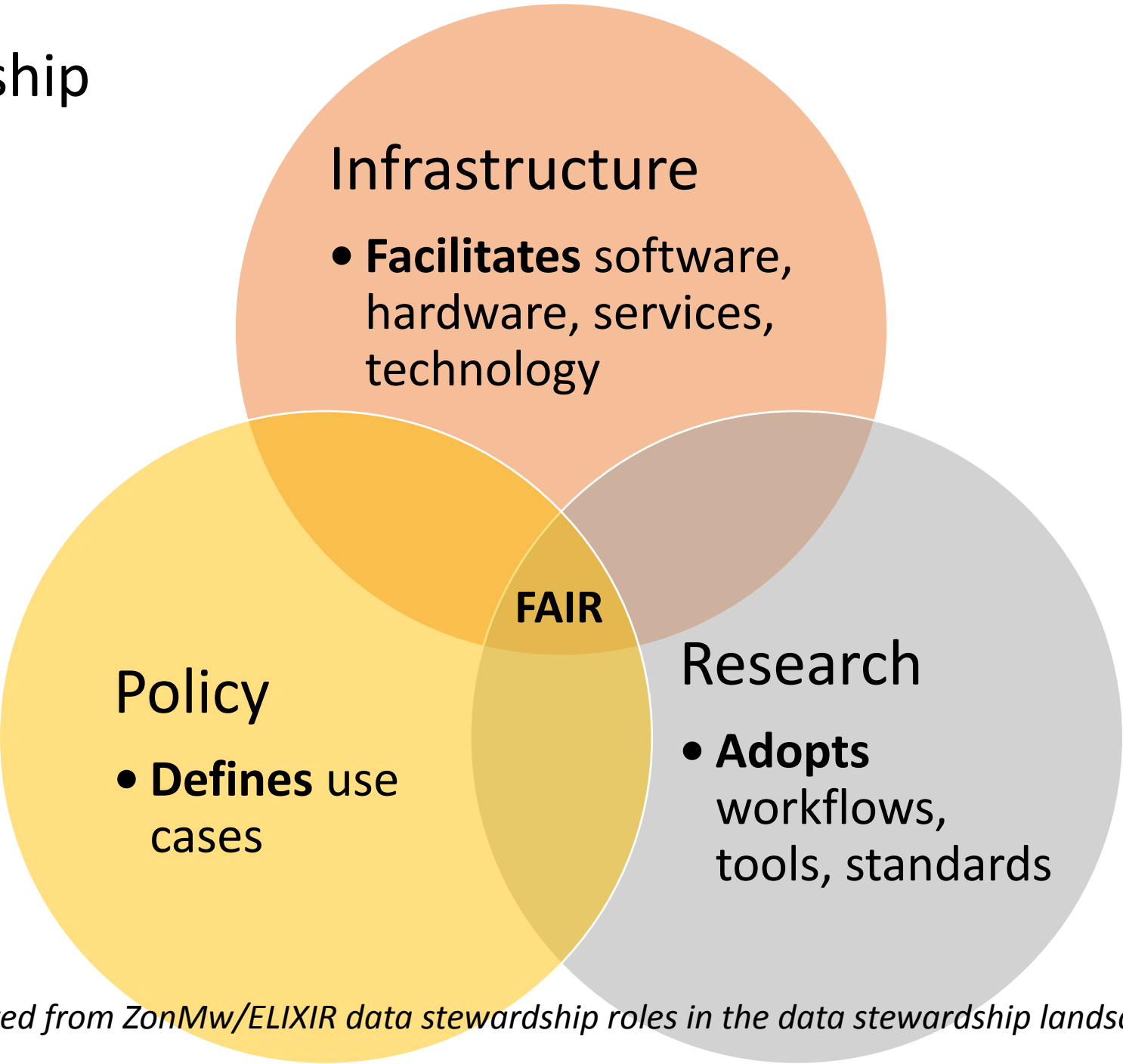


Data Steward

Mijke Jetten, Marjan Grootveld, Annemie Mordant, Mascha Jansen, Margreet Bloemers, Margriet Miedema, & Celia W.G. van Gelder. (2021). **Professionalising data stewardship in the Netherlands. Competences, training and education. Dutch roadmap towards national implementation of FAIR data stewardship.** Zenodo. <https://doi.org/10.5281/zenodo.4320504>

“A person responsible for keeping the quality, integrity, and access arrangements of data and metadata in a manner that is consistent with applicable law, institutional policy, and individual permissions. Data stewardship implies professional and careful treatment of data throughout all stages of a research process. A data steward aims at guaranteeing that data is appropriately treated at all stages of the research cycle (i.e., design, collection, processing, analysis, preservation, data sharing, and reuse.”

Data Stewardship



adapted from ZonMw/ELIXIR data stewardship roles in the data stewardship landscape

The *Turning FAIR into Reality* report (2018)

- “Professionalise data science and data stewardship roles and train researchers”
- “Implement curriculum frameworks and training”

Six Recommendations for Implementation of FAIR Practice (2020) from the EOSC FAIR Working Group

- explicitly recommends funding awareness-raising, training, education and community- specific support

European Commission funded projects and initiatives:

- EOSC Skills & Training Working Group
- FAIR4S

GitHub: [terms4FAIRskills](#)

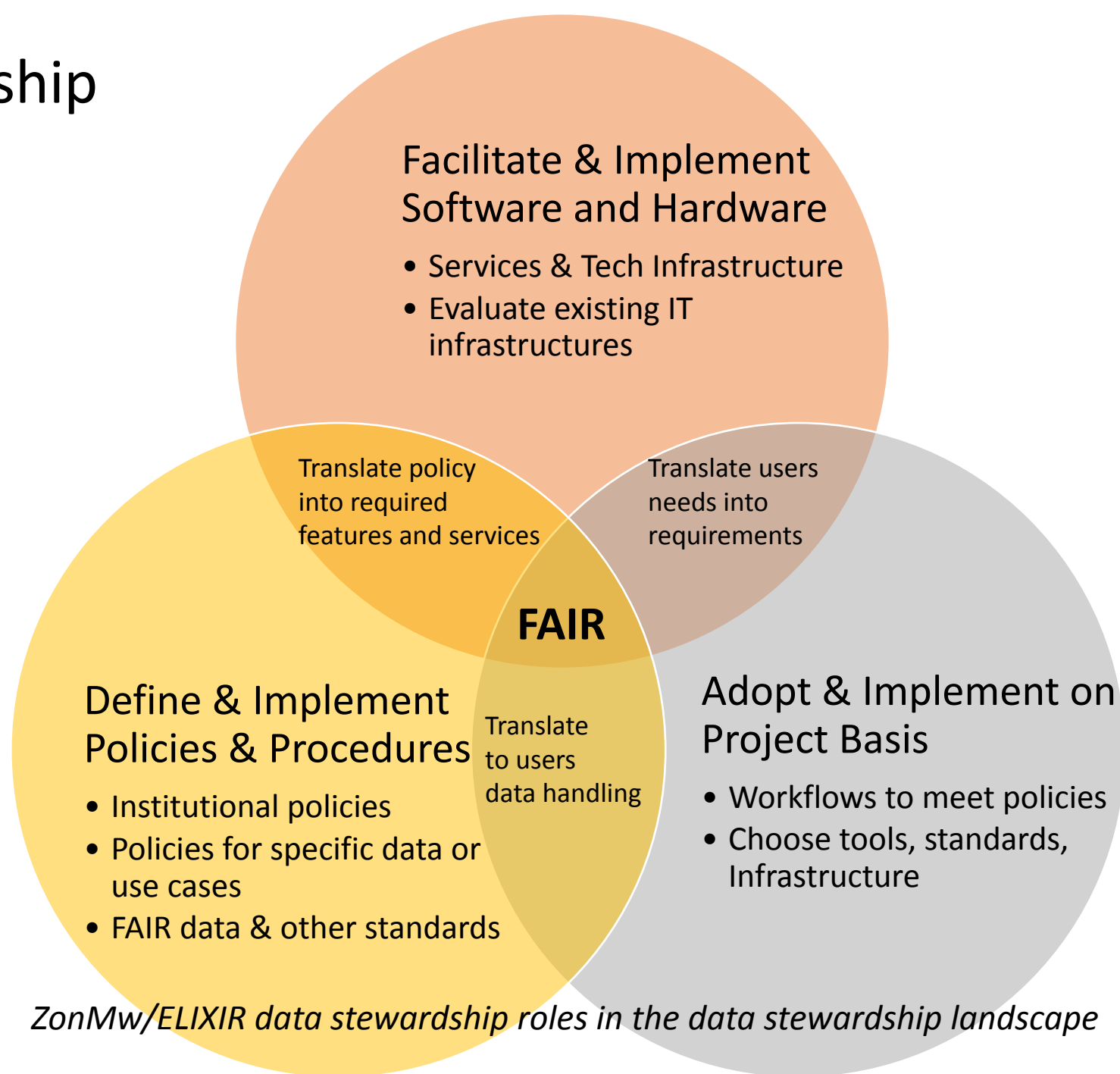
Danish e-Infrastructure Cooperation (DeIC) / Danish National Forum for research data management (DM Forum)

- Urge for national coordination on data stewardship education in Denmark

RDA has a workgroup focused on Professionalizing FAIR Data Stewardship

National Programme Open Science (NPOS) (Netherlands)

Data Stewardship



8 Competence Areas for Data Stewards

- Policy/strategy
- Compliance
- Alignment with FAIR
- Services
- Infrastructure
- Knowledge management
- Network
- Data archiving

Brainstorming: Data Stewardship/ Governance

Multiple data stewards with different expertise (infrastructure, policy, domain-specific workflows/standards)

- What is missing?
- How many data stewards are needed?

Work together to create different FAIR Implementation Profiles (FIP) for domains

- These are machine-readable and would be sharable with other domains/research communities/individuals
- What does this help our communities do? Do they need someone to help with using a FIP?

Brainstorming: Data Stewardship/ Governance

Needed: define this as profession (ongoing currently in EU)

- How is this credentialed? Do you need an IS degree (something else?)

Needed: official training, criteria, knowledge of candidates in current domains

- Who else is doing this and what can be reused?
- How are these training materials maintained? Who will offer the training?

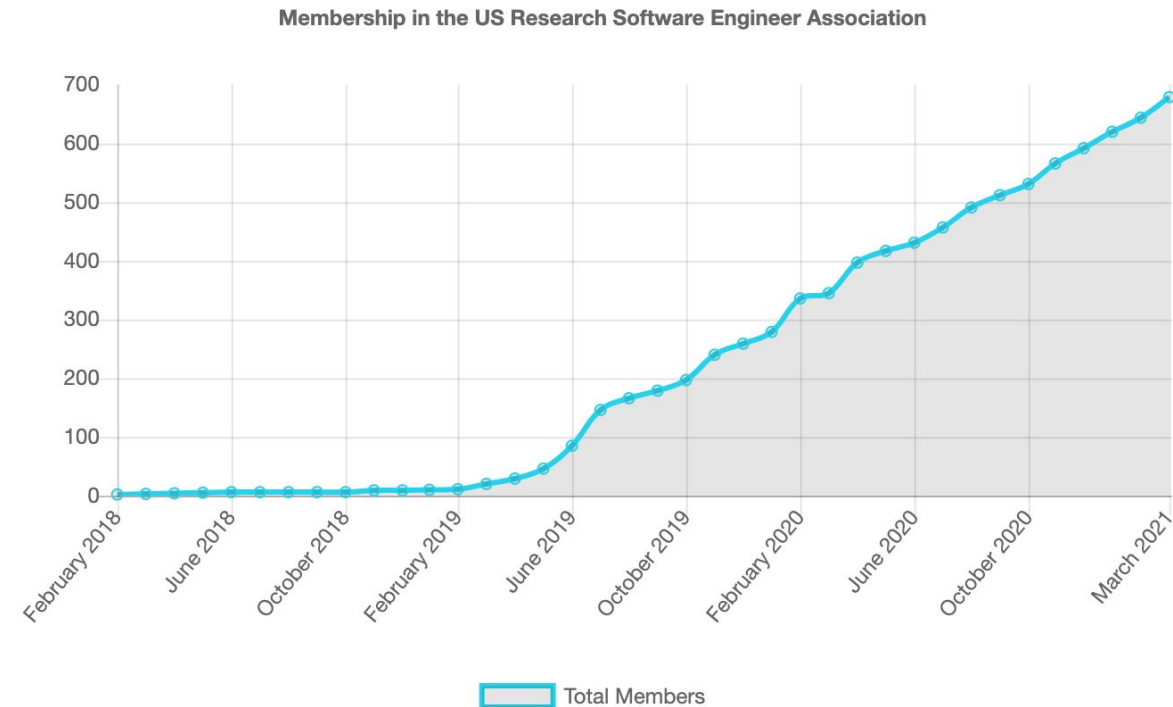
Is this a job by itself, or could current professionals have more than "one hat", so to speak?

Move to Mentimeter..

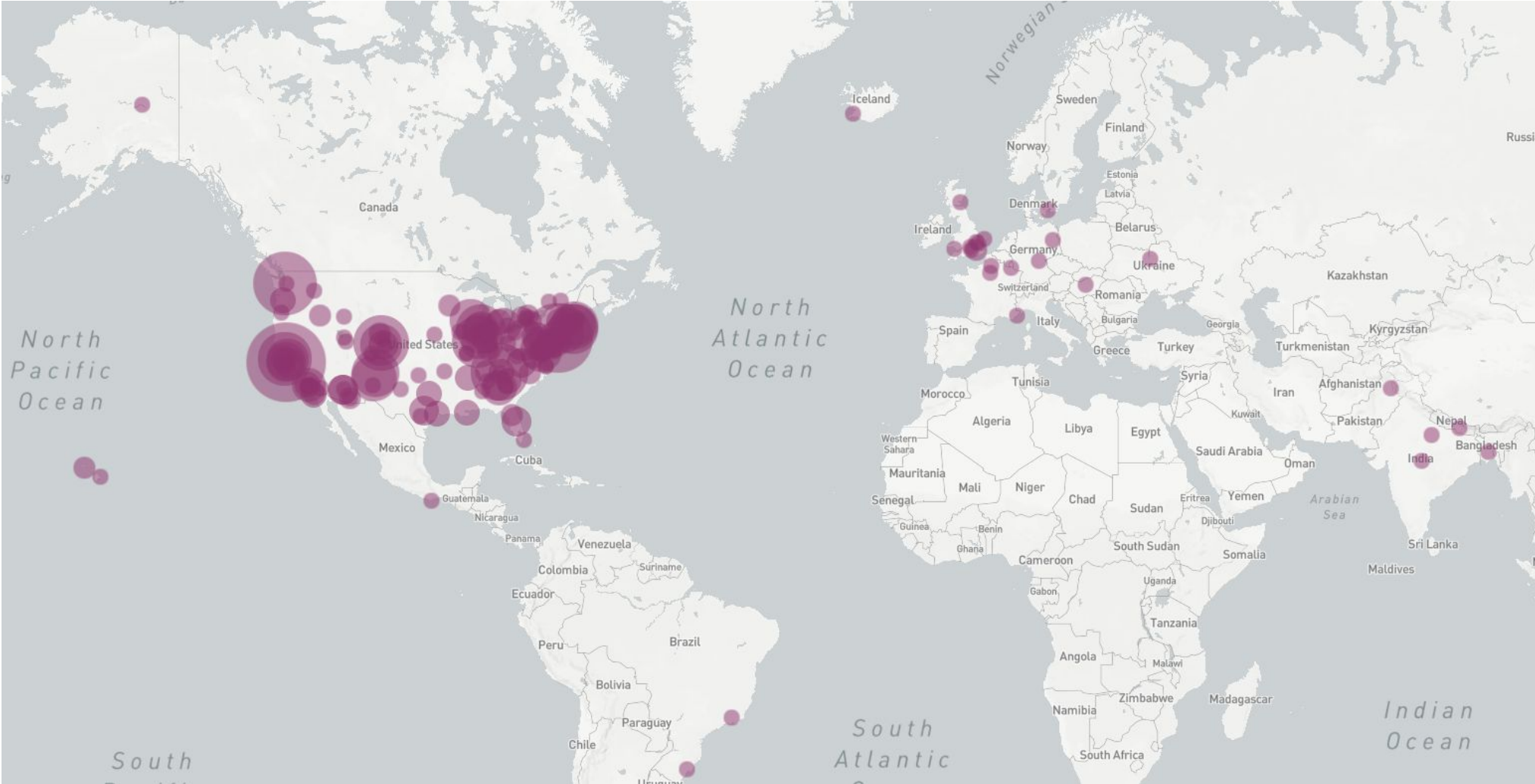
Experiences from US-RSE

Membership growth influenced by

- Enthusiastic members to kick it off
- Website
- Slack channel
- Jumps in growth often after events (presentations at conferences, webinars, own events)
- Newsletters
- RSE podcast
- Working groups
 - DEI working group
 - Speaker series
 - Book club
 - Website
 - Education and Training



Experiences from US-RSE



<https://us-rse.org>



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Next Steps?

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