Search, Publish, Link and Re-use the Data!

...but how?

Amy Nurnberger
National Data Services
Consortium Symposium 6
2016-10-20

Introduction & Thanks

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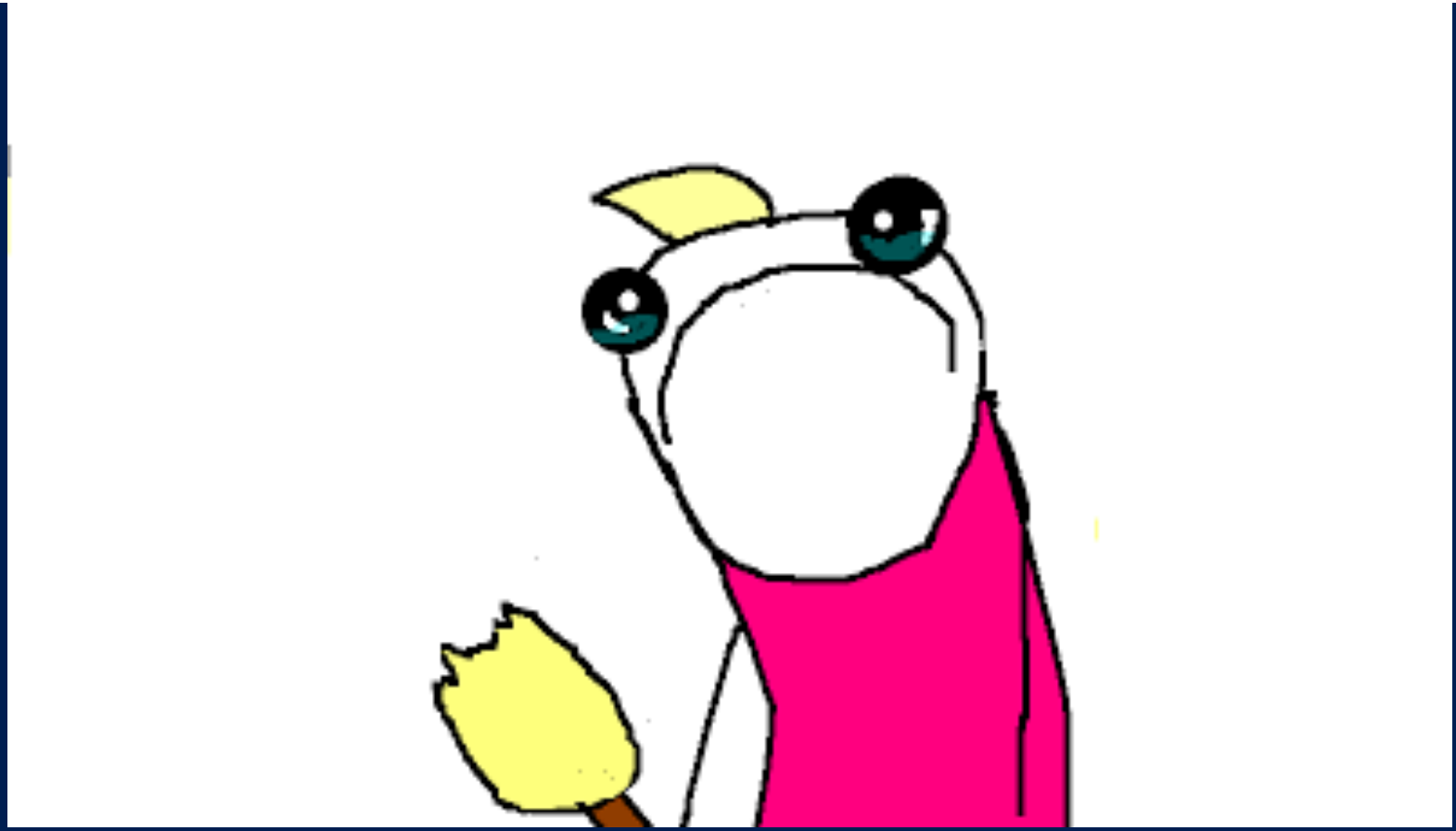
http://hyperboleandahalf.blogspot.com/2010/06/this-is-why-ill-never-be-adult.html

Search, publish, link & re-use all the data?



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RDA RESEARCH DATA ALLIANCE

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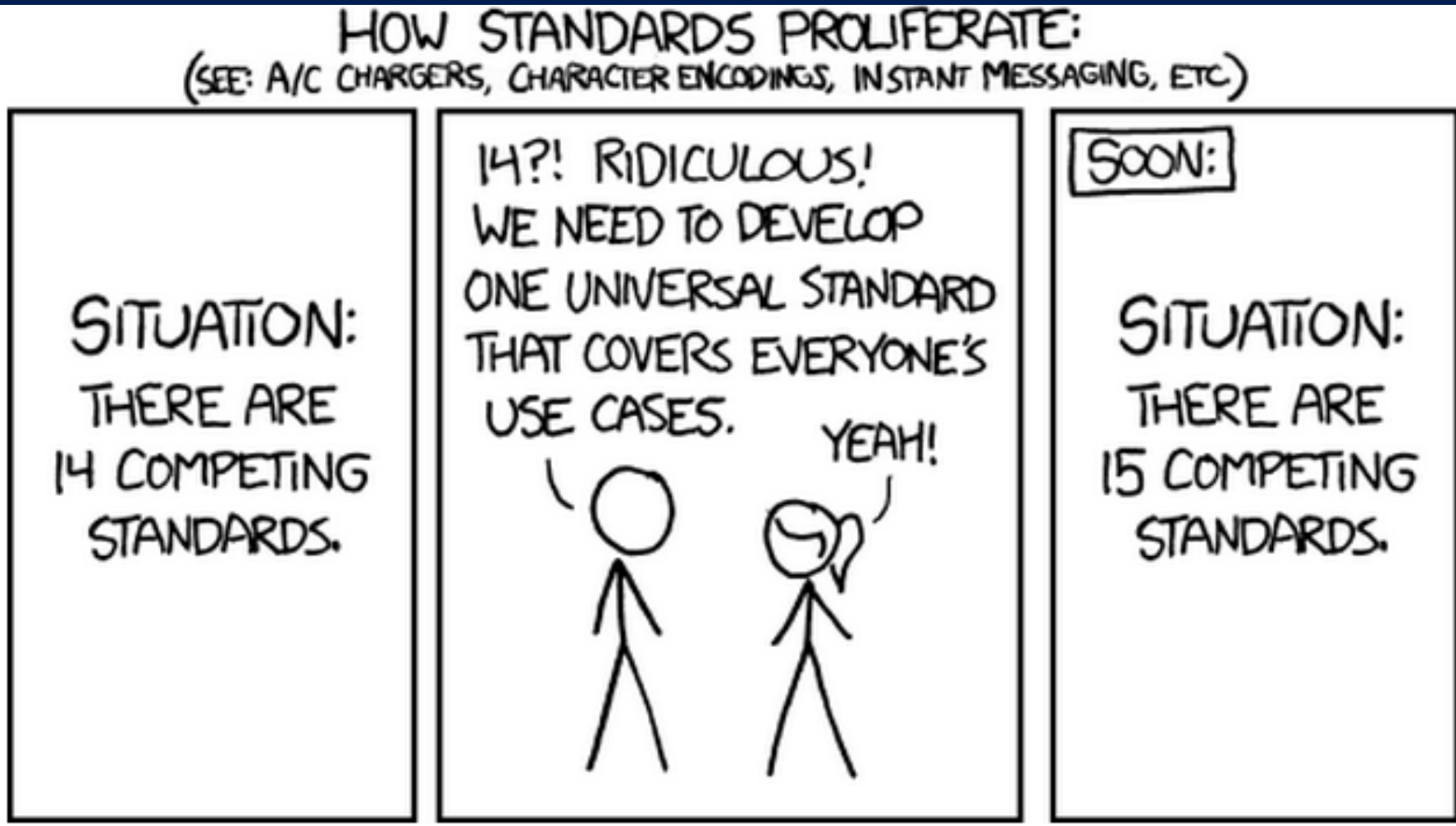
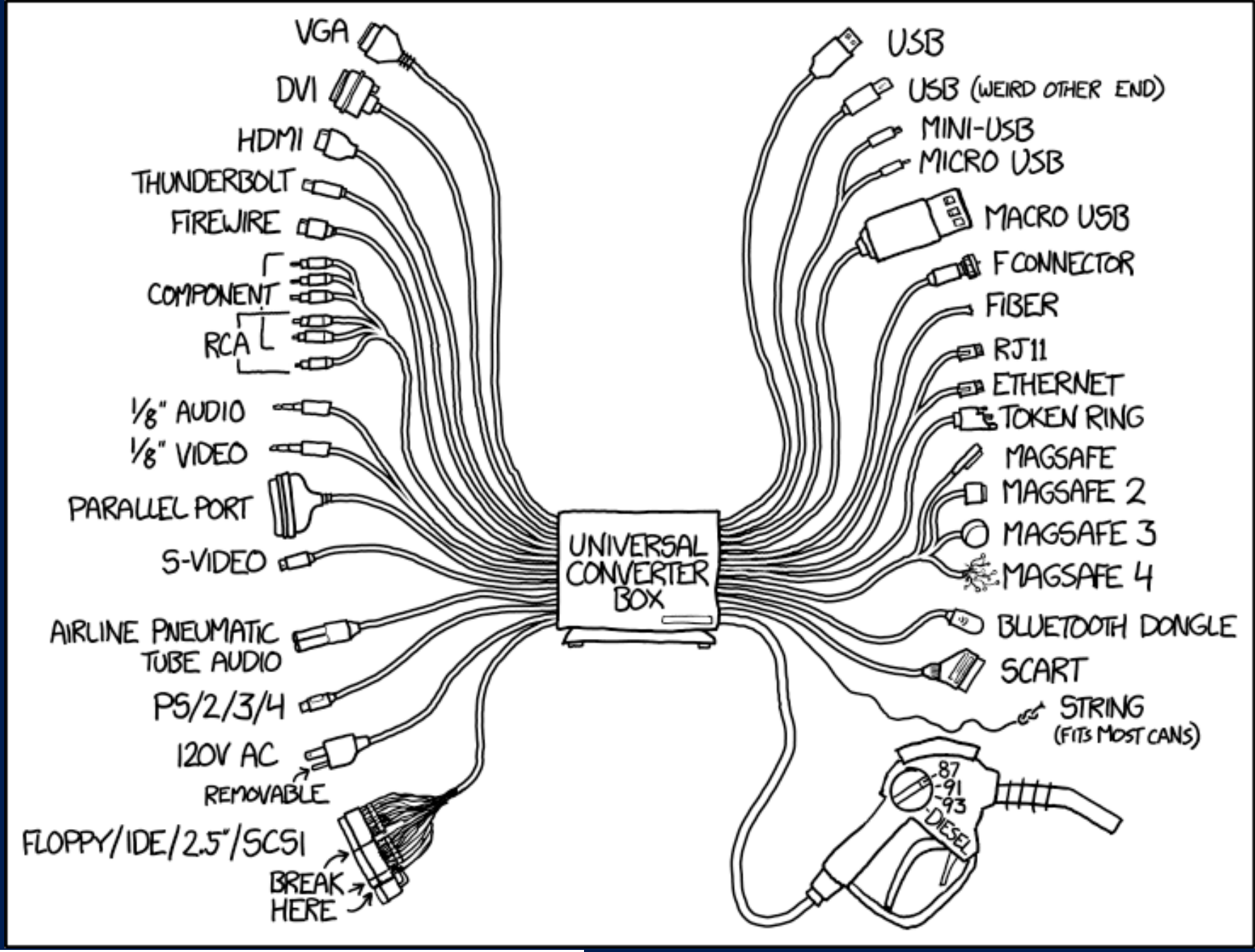
RESEARCH DATA ALLIANCE





Background – What RDA is about:

Researchers and innovators openly share data across technologies, disciplines, and countries to address the grand challenges of society.

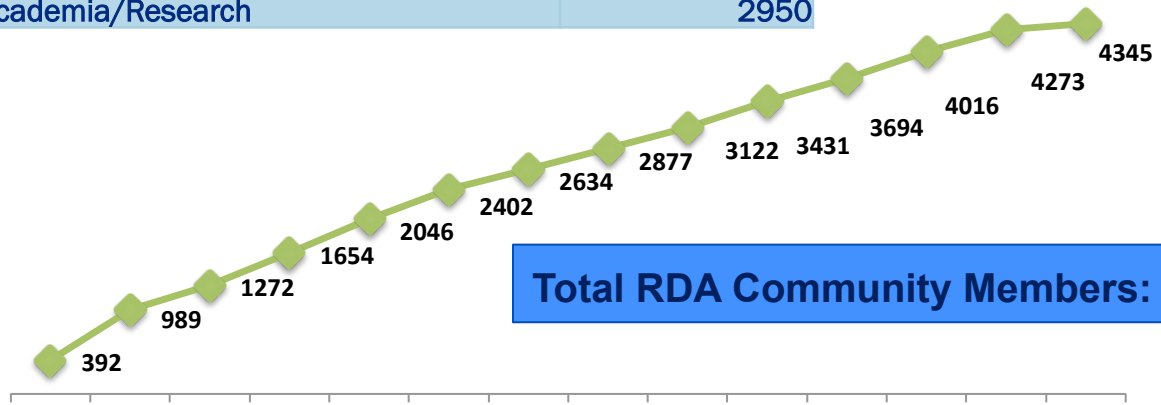


… building the social and technical bridges that enable global open sharing of data…

Researchers, scientists, data practitioners & information technologists from around the world are invited to work together to achieve the vision

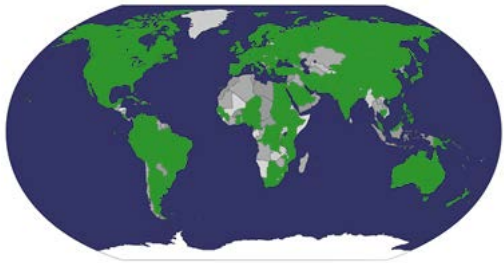
Who is RDA?

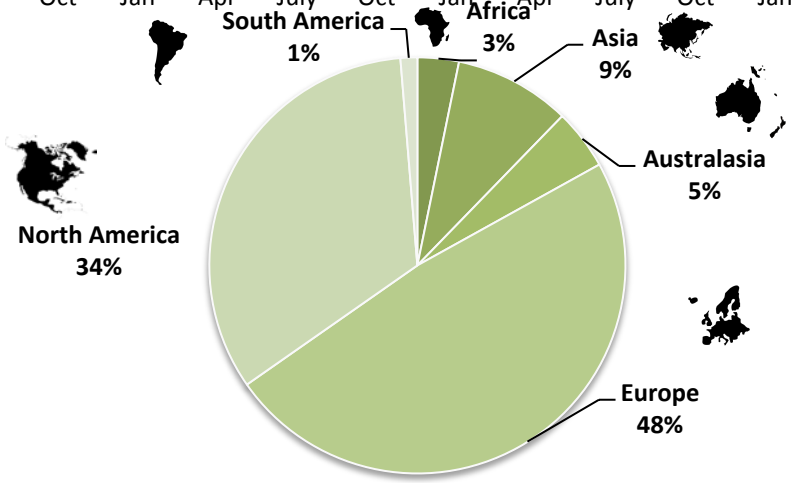
Type	Actual members (Oct. 2016)
Press and Media	27
Policy/Funding Agency	66
Large Enterprise	99
IT Consultancy/Development	146
Small and Medium Enterprise	257
Other (please specify) - obligatory	241
Government/Public Services	690
Academia/Research	2950

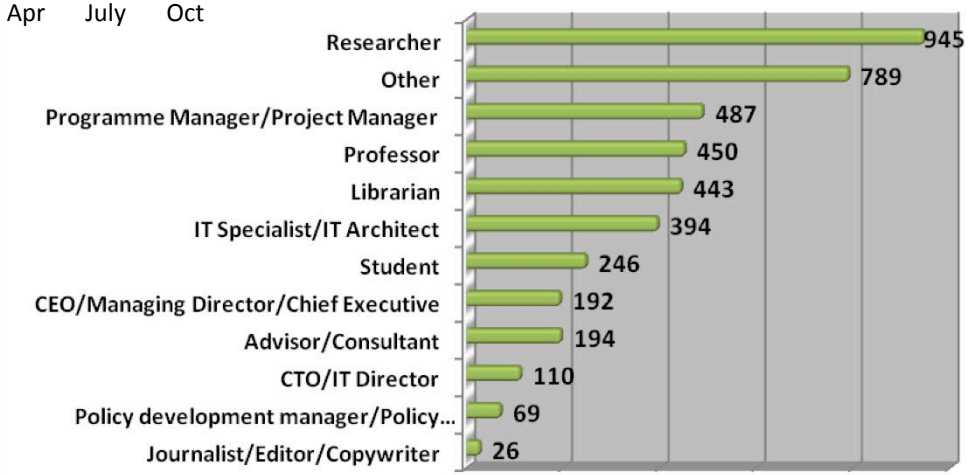


Total RDA Community Members: 4476

from 112 countries







What do they all do?

What do they all do?

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Total 73 groups: 27 Working Groups & 46 Interest Groups

RDA Working & Interest Groups

Domain Science - focused

Agrisemantics WG

BioSharing Registry: connecting data policies, standards & databases in life sciences WG

Rice Data Interoperability WG

Wheat Data Interoperability WG

Agriculture Data IG (IGAD)

Biodiversity Data Integration IG

Chemistry Research Data IG

Digital Practices in History and Ethnography IG

Geospatial IG

Global Water Information IG

Health Data IG

Marine Data Harmonization IG

Metabolomics Data Interoperability IG

Quality of Urban Life IG

RDA/CODATA Materials Data, Infrastructure & Interoperability

Research data needs of the Photon and Neutron Science community IG

Structural Biology IG

Community Needs - focused

RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World WG

Archives & Records Professionals for Research Data IG

Data for Development IG

Development of Cloud Computing Capacity and Education in Developing World Research IG

Education and Training on handling of research data IG

Engagement IG

Ethics and Social Aspects of Data IG

RDA Working & Interest Groups

Reference and Sharing - focused

Data Citation WG

Data Description Registry Interoperability WG

Data Security and Trust WG

Empirical Humanities Metadata WG

RDA / WDS Publishing Data Bibliometrics WG

Research Data Collections WG

QoS-DataLC Definitions WG

International Materials Resource Registries WG

National Data Services IG

RDA/CODATA Legal Interoperability IG

Reproducibility IG

New Paradigms for Data Discovery

Partnership Groups

RDA / TDWG Metadata Standards for attribution of physical and digital collections stewardship

RDA/NISO Privacy Implications of Research Data Sets WG

Repository Audit and Certification DSA–WDS Partnership WG

RDA/WDS Publishing Data IG

ELIXIR Bridging Force IG

RDA Working & Interest Groups

Data Stewardship and Services – focused

Brokering Framework WG
Brokering Governance WG
RDA / WDS Publishing Data Services WG
RDA / WDS Publishing Data Workflows WG
Active Data Management Plans IG
Data in Context IG
Data Rescue IG
Domain Repositories IG
Libraries for Research Data IG
Long tail of research data IG
Preservation e-Infrastructure IG
RDA/WDS Certification of Digital Repositories IG
RDA/WDS Publishing Data Cost Recovery for Data Centres IG
Repository Platforms for Research Data IG
Research Data Provenance IG
Virtual Research Environments IG

Base Infrastructure – focused

Array Database WG
Data Foundation and Terminology WG
Data Type Registries WG
Metadata Standards Catalog WG
Metadata Standards Directory WG
PID Information Types WG
Practical Policy WG
Data Fabric IG
Data Foundations and Terminology IG
Data in Context IG
Big Data IG
Brokering IG
Federated Identity Management IG
Metadata IG
PID IG
Service Management IG
Vocabulary Services IG

What do *they* do?

What do *they* do?

Brokering Governance WG

Data Foundation & Terminology

Repository Audit and Certification DSA–WDS

Dynamic Data Citation

Data Type Registries

RDA/WDS Publishing Data Bibliometrics

RDA/WDS Publishing Data Workflows

Metadata standards directory

PID Information Types

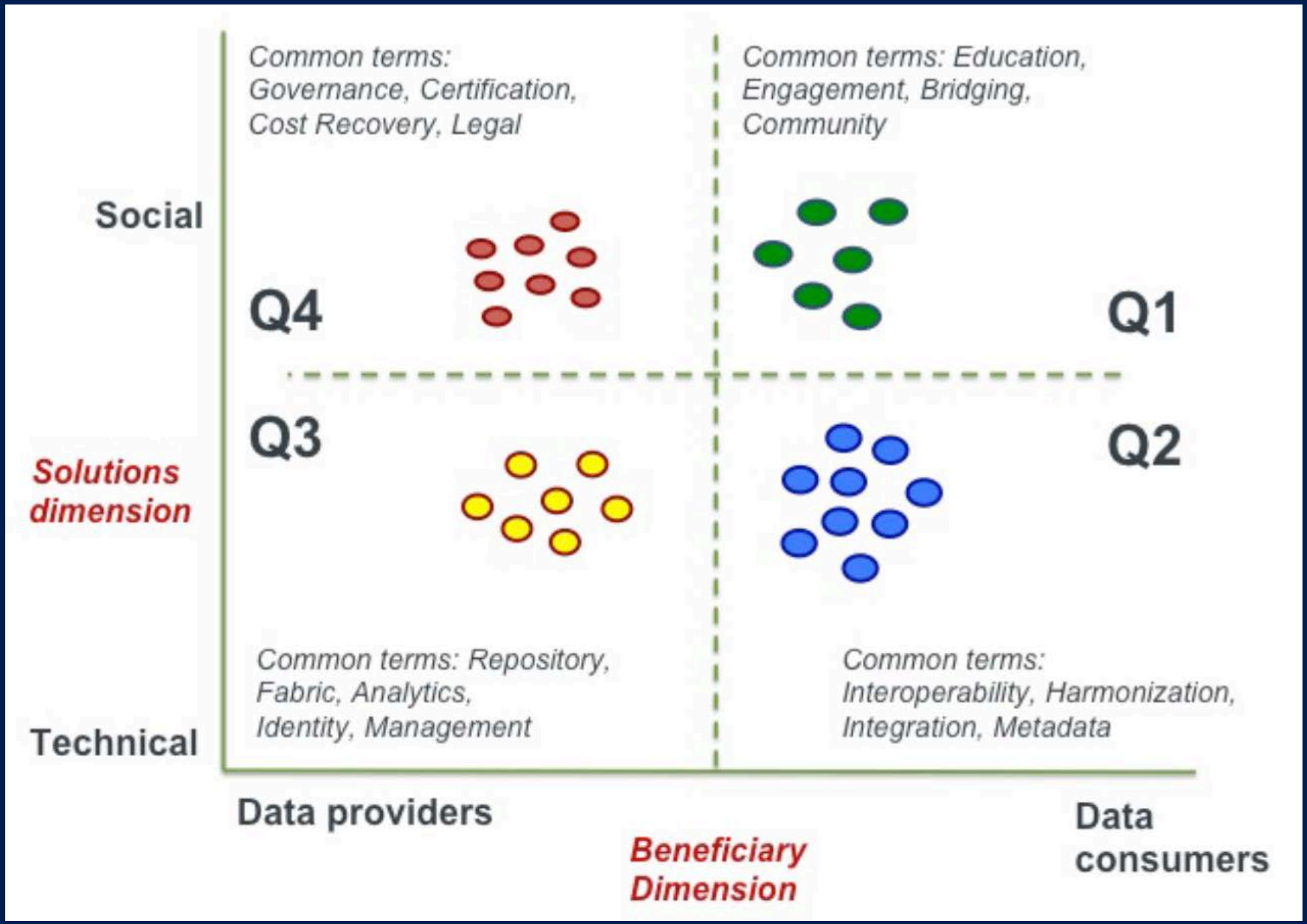
RDA/WDS Publishing Data Services

RDA/CODATA Summer Schools in Data Science

Wheat Data Interoperability

Practical Policy

Data Description Registry Interoperability

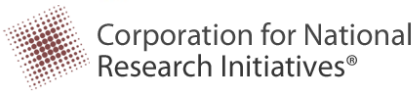


RDA Working Group / Interest Group Cluster Model for Thematic Areas – DRAFT
Figure 1. Solution-beneficiary clustering of WG/IG anticipated output products into quadrants

Organisational & Affiliate Members

45 RDA Organisational Members

6 RDA Affiliate Members



https://rd-alliance.org/organisation/rda-organisation-affiliate-members.html

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The National DATA SERVICE

New Frontiers in Data Discovery: Collaboration with Research Libraries

- Technical + Social
- Test beds + Communities

"…an open environment of federated, interoperable, and integrated national-scale services."

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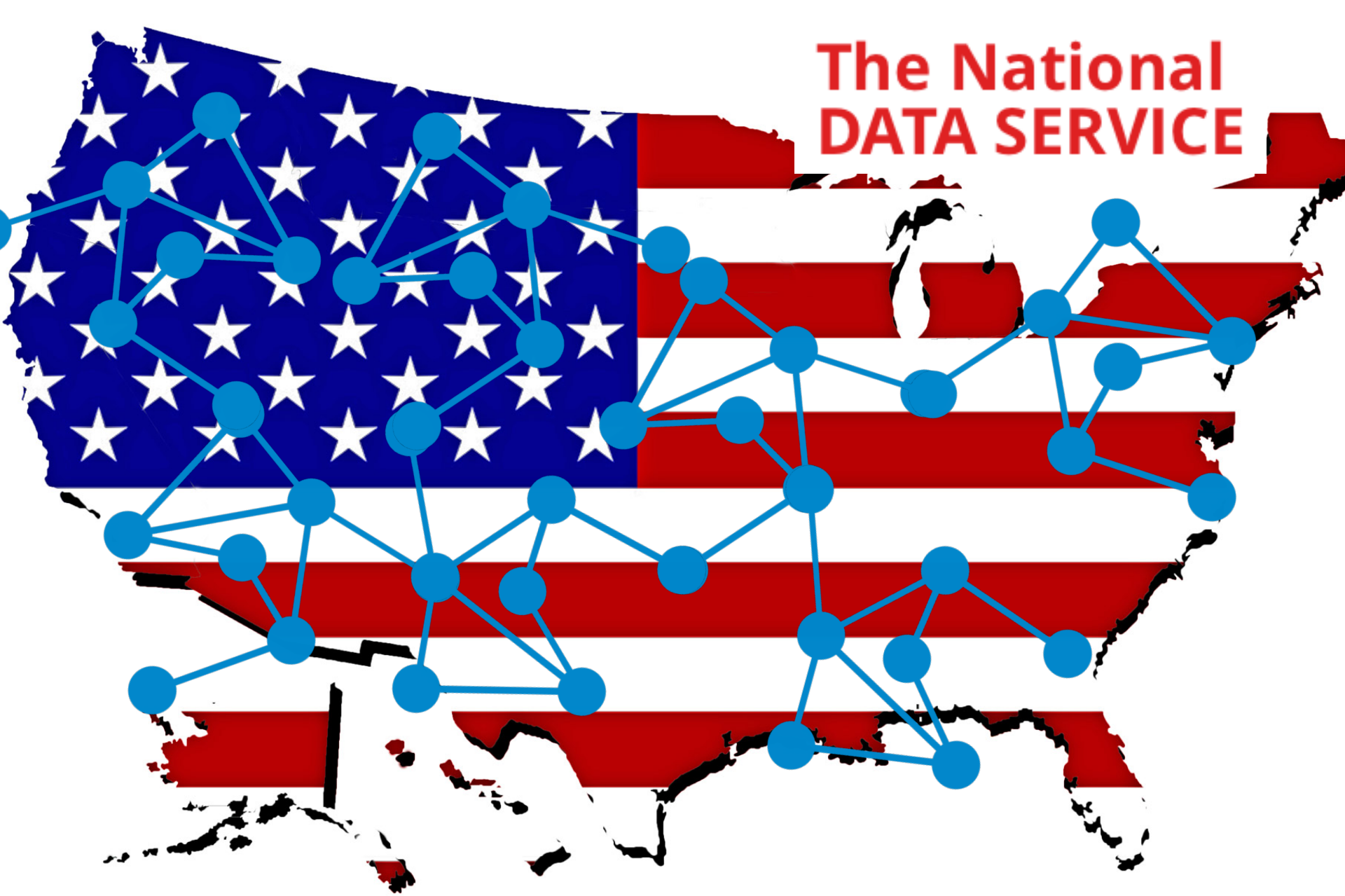

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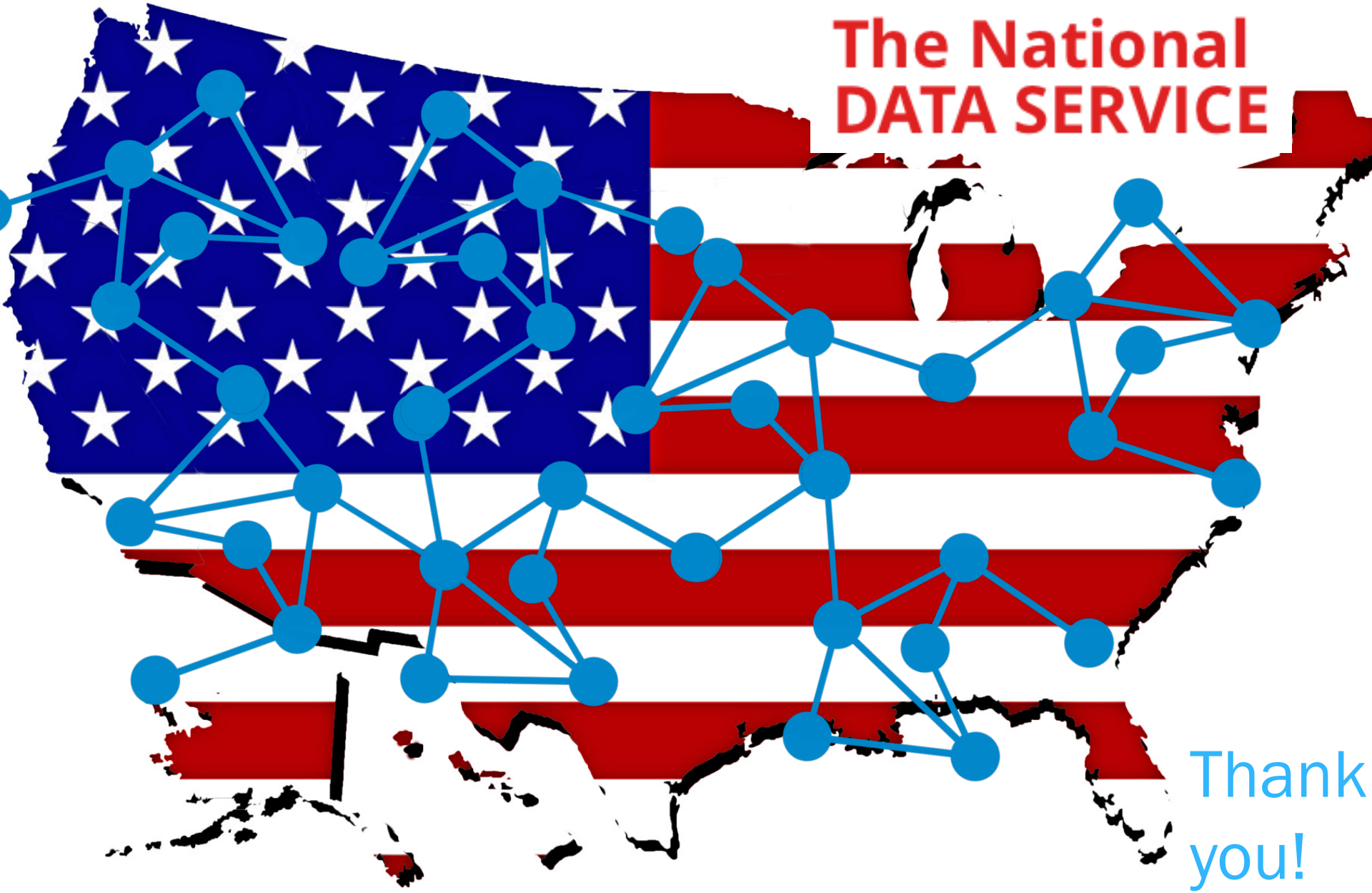

Thank you!

Sources

Images

- All icons licensed from The Noun Project https://thenounproject.com
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