Community Building

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Four Examples – Overlap in Communities

NSF Institutes

SGCI Science Gateways Community Institute

URSSI US Research Software Sustainability Institute

PresQT

IMLS Project
Open-Source Development

US RSE
US RESEARCH SOFTWARE ENGINEER COMMUNITY

Community-Driven Association

BRIDGES VIEWER/WEATHER WATCHERS

Why is community building important?

- Exchanging knowledge and experience
- Connecting research computing, software, science and people
- Scalability of support
- Avoiding re-inventing the wheel
- Avoiding silos
  - personnel
  - products

BRIDGES VIEWER/WEATHER WATCHERS

Connect with SGCI

- Website https://sciencegateways.org
- Focus Week
- Consulting
- Yearly Conference
- Partner program
- Software/Gateway Catalog
- Workforce development
- Gateway Ambassadors
- Science Ambassadors
- Webinars
- Blogs
- Newsletter
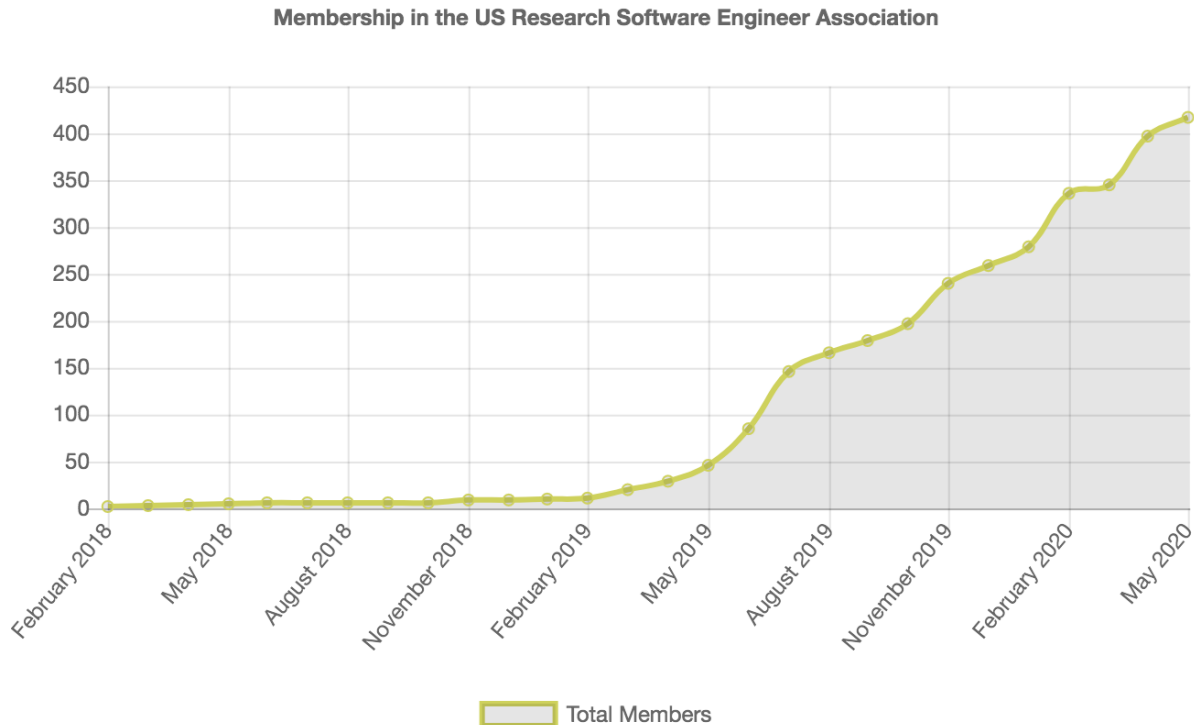- Twitter
- LinkedIn
- YouTube

Scalability

SGCI Science Gateways
Community Institute

How to Connect with URSSI

- Website http://urssi.us/
- Materials
- Blog posts
- Mailing list
- Discuss
- Twitter
- Workshops   Defining areas of interests for filling gaps
- Newsletter
- Slack

URSSI

US
Research
Software
Sustainability
Institute

How to Connect with US-RSE
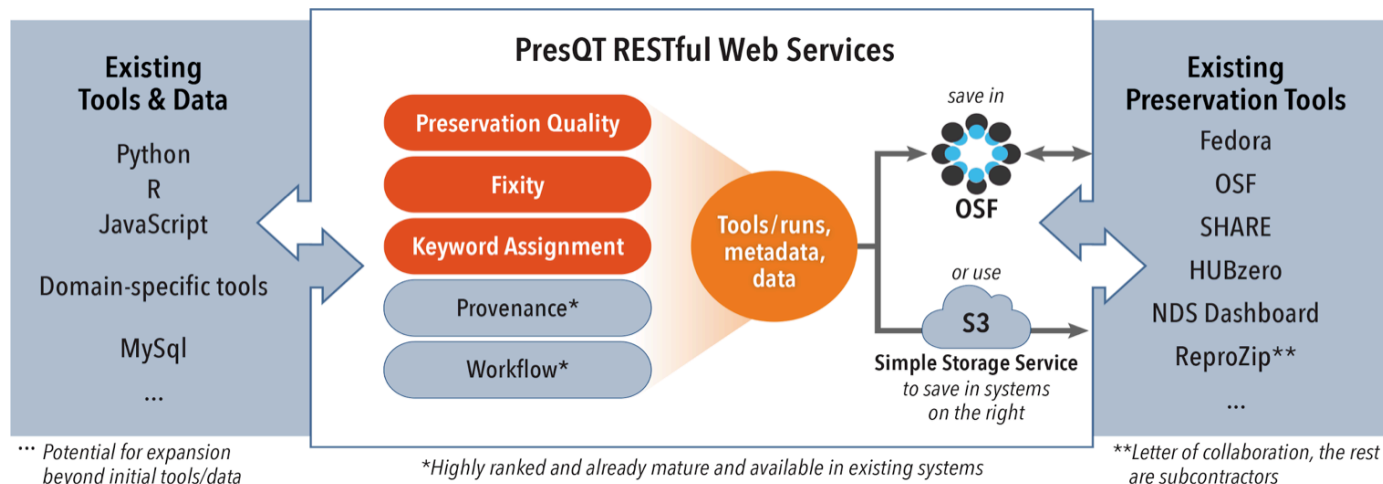
- Website http://us_rse.org/

- Slack   Community-driven community building

- Twitter

- Newsletters

- Community calls

- Workshops

Membership in the US Research Software Engineer Association

Total Members

How to Connect with PresQT

- Website https://presqt.crc.nd.edu/

- Slack

- Community calls

- Workshops/   Progress in integrations
  hack-a-thons

- Open-source development

PresQT RESTful Web Services

Existing Tools & Data
Python
R
JavaScript
Domain-specific tools
MySql
...

Preservation Quality
Fixity
Keyword Assignment
Provenance*
Workflow*

Tools/runs, metadata, data

save in OSF
or use S3
Simple Storage Service
to save in systems on the right

Existing Preservation Tools
Fedora
OSF
SHARE
HUBzero
NDS Dashboard
ReproZip**
...

... *Potential for expansion beyond initial tools/data*

Highly ranked and already mature and available in existing systems

**Letter of collaboration, the rest are subcontractors*

Questions?

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