



Progress in the USRN Discovery project

Summary for the USRN Steering Group

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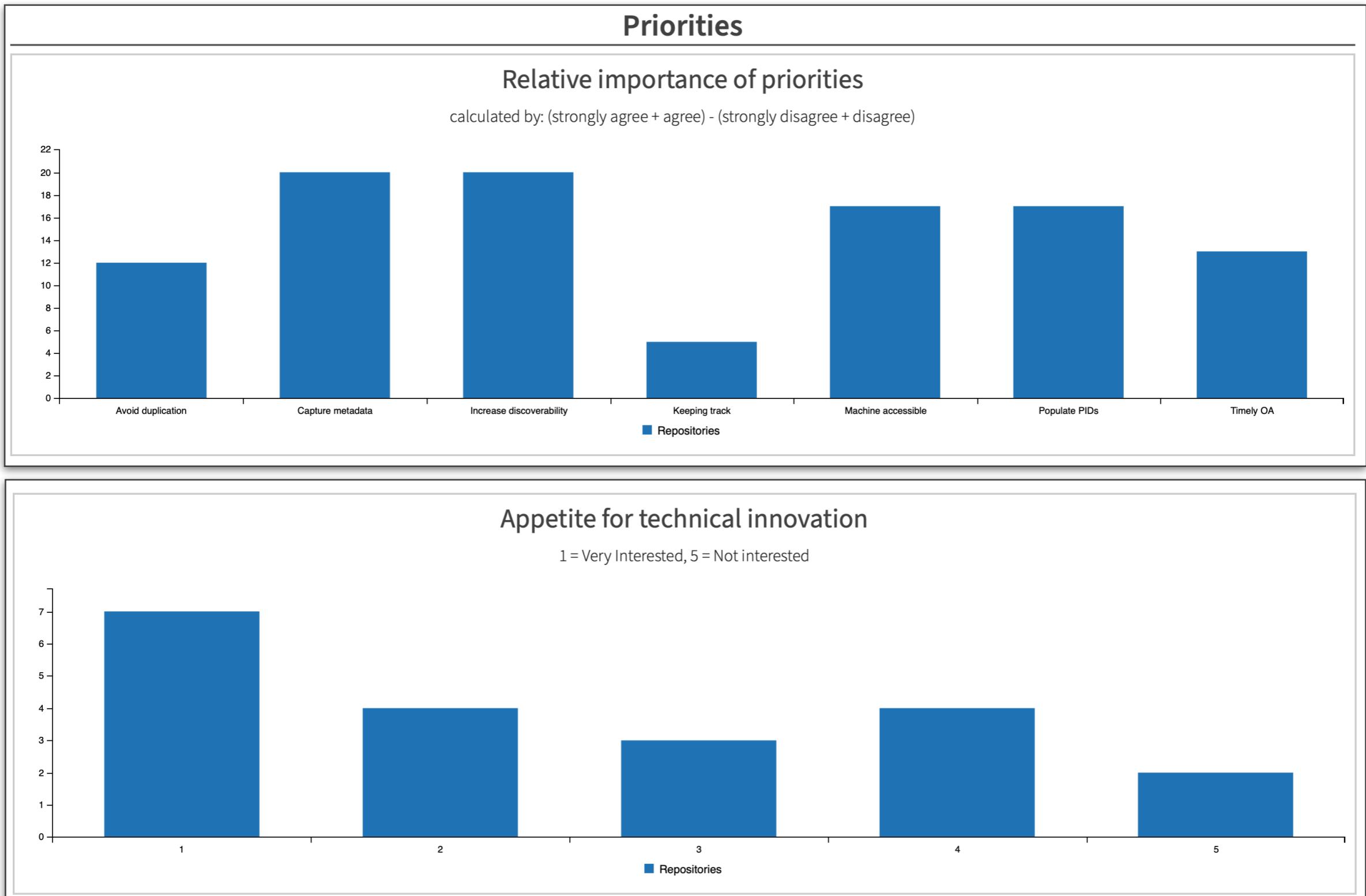
Participants (22)

- Berkeley Law Library
- California State University, San Bernardino
- Case Western Reserve University
- Columbia University Libraries
- Harvard Library
- mediArXiv
- Oregon State University
- Princeton University
- Stanford University
- Texas Digital Library
- University of Arizona
- University of California
- University of Chicago
- University of Colorado Boulder
- University of Illinois
- University of Massachusetts Amherst
- University of Miami
- University of Michigan
- University of Minnesota
- University of North Texas - Denton
- University of Texas, Austin
- Washington State University

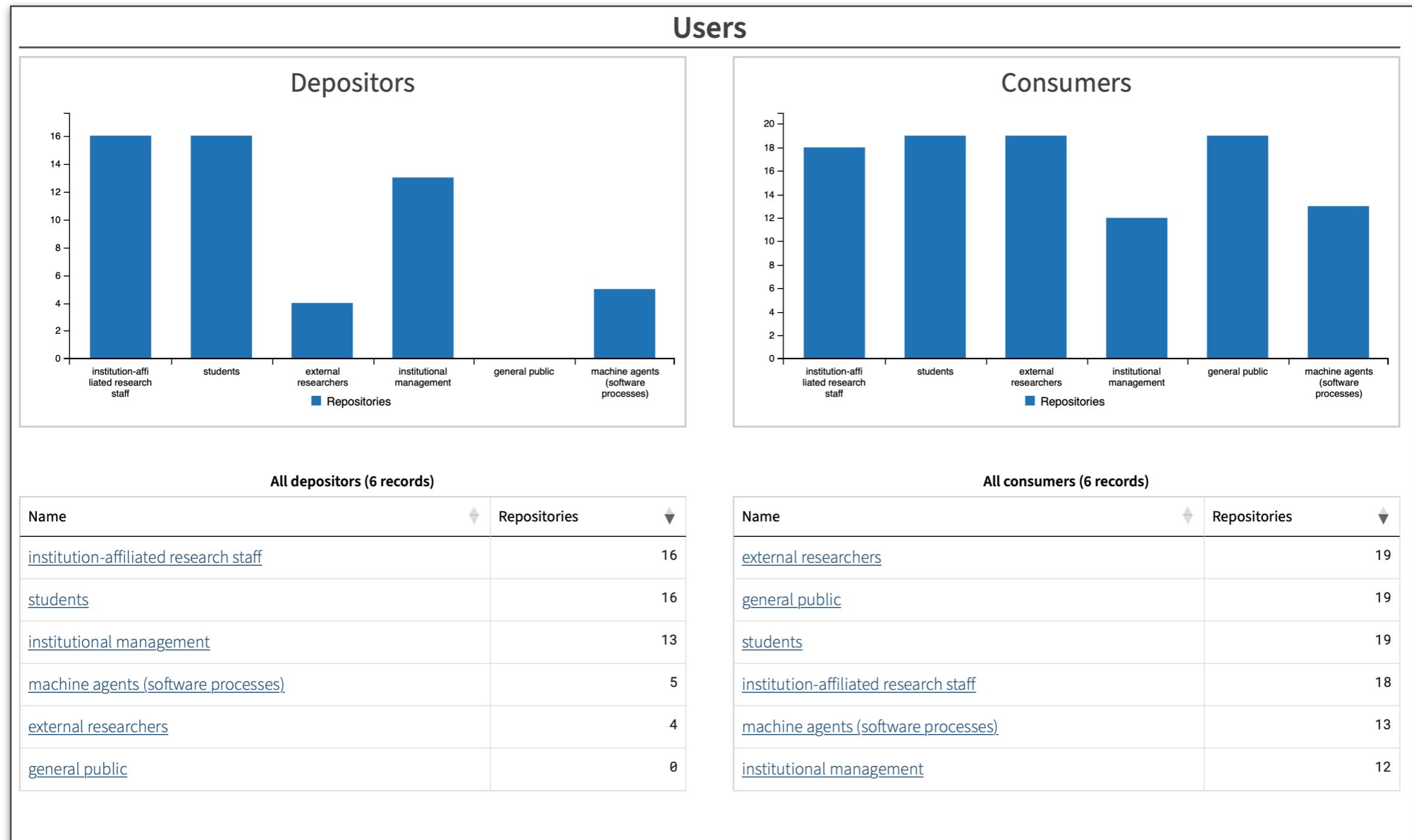
Survey of participants

- Ended February 2024 - 19/22 participants responded (with 1 extra repository so 20 survey responses in total)
- Established a benchmark for some broad measures of "readiness" by the participating repositories. We will repeat this survey in 12 months' time and compare results - this will give us some measure of impact and progress
- Questions about:
 - purpose and operation of repository
 - institutional policies and priorities
 - technological awareness and appetite for innovation
 - levels of support and capacity for technical development

Survey responses: priorities



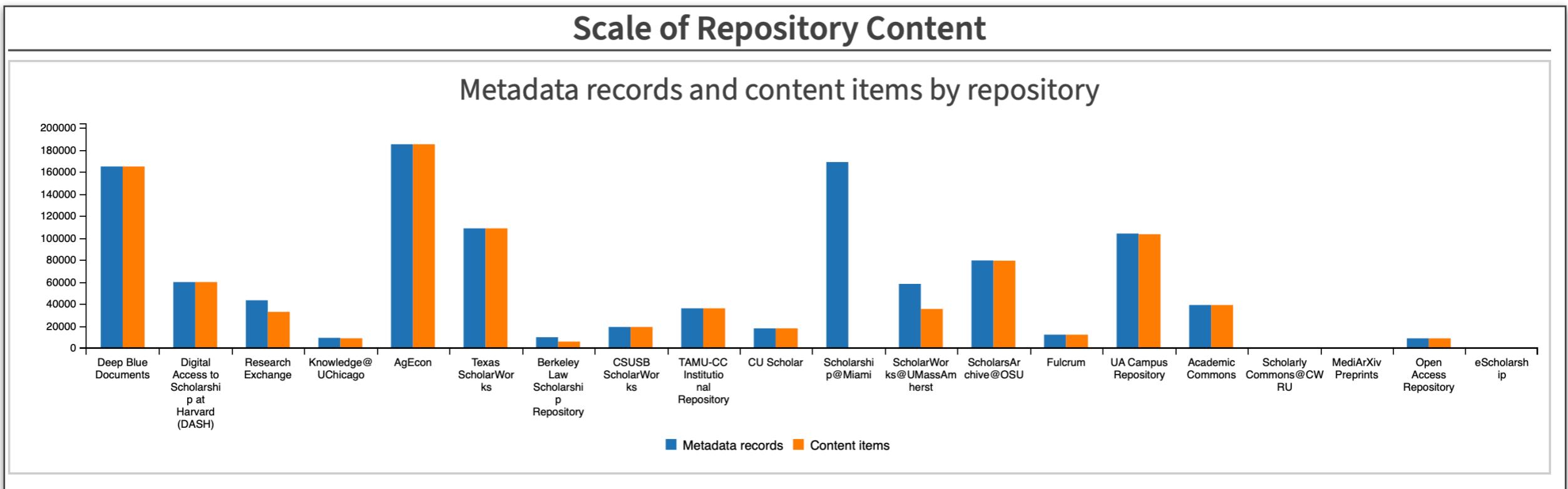
Survey responses: user types



Survey responses: content types

Output Types	
All output types (3 records)	
Name	Repositories
Research_papers	19
Data-sets	12
Software_(source code)	8

Survey responses: scale of content

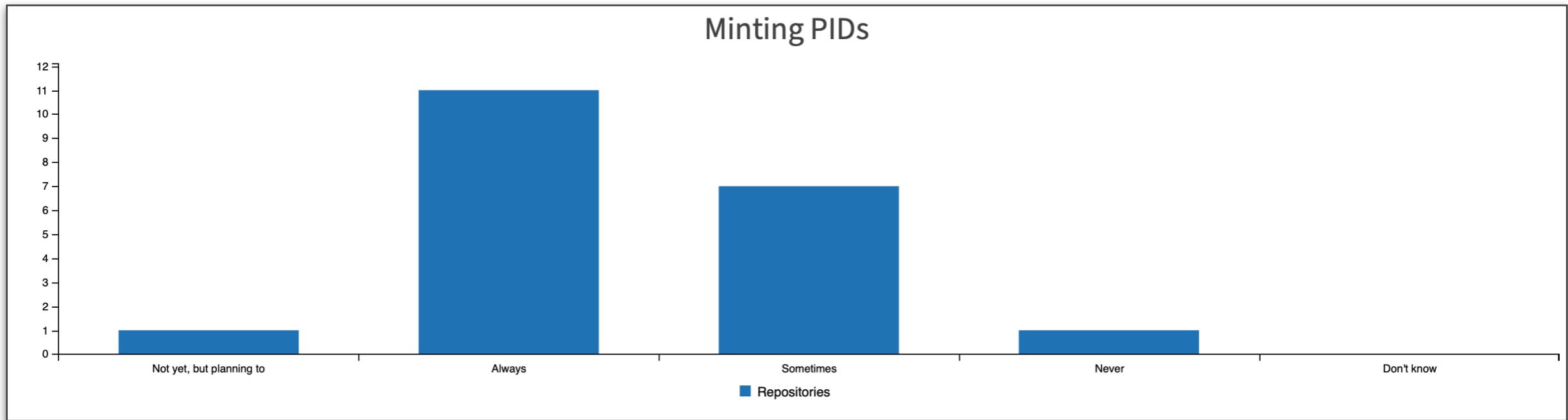


Number of metadata records & content items ranges from 236 to 185,000

Survey responses: technology adoption

Technology	Adoption of technologies by repository					
	I don't know what it is	We are considering this	We are planning to implement this	We are actively working on implementing this	We have already implemented this	We have decided not to implement this
COAR Notify	6	11	0	2	1	0
COAR Vocabularies	7	10	0	0	1	2
COUNTER	1	7	1	0	5	6
CRediT	8	8	1	0	0	3
FAIRICat	18	0	0	0	0	2
JAV	17	1	0	0	0	2
OAI-PMH	1	0	1	0	18	0
OpenAIRE Guidelines	10	6	1	0	1	2
ResourceSync	13	3	0	0	0	4
Rioxx	16	1	0	0	0	3
Signposting	14	4	0	1	1	0

Survey responses: PIDs



Survey responses: awareness



Interventions

- Based on the survey results, we are considering three "interventions":
 - Intervention 1: Adopting the USRN Desired Characteristics
 - Intervention 2: Working with CORE
 - Intervention 3: Implementing COAR Notify

1: Adopting the USRN Desired Characteristics

- designing programme of work to develop the participating repositories' adoption of the USRN desired characteristics.
- resources available in the COAR Framework which can support this

U.S. Repository Network

Desirable Characteristics of Digital Publication Repositories

Version 1.0
Approved March 31, 2023

Introduction

A set of desirable characteristics alongside good practices is necessary to

- increase interoperability across the national and global repository network and
- establish suitability of a digital publication repository to be an “agency-designated” repository for federally funded research.¹

parallel with the already /Funded Research² and are Federally Funded Research Repositories, Version 2, Essential Criteria

repository Network (USRN) lity and necessity. Not all U.S. stics, and, in some cases, o rather than what they ecessary to assist U.S. from the community.

COAR Community Framework for Good Practices in Repositories

Purpose
Process
Relationship to other frameworks
Definitions
COAR Repository Assessment Working Group
Previous versions
Translations of Version 1
Translations of Version 2

VERSION 2 - PDF



COAR Community Framework for Good Practices in Repositories

Version 2 – updated on August 29, 2022

Essential Characteristic	Desired Characteristic
1. Discovery	
1.1 The repository enables users to apply basic Dublin Core metadata to its records, as well as more granular elements (e.g. to support multilingualism, FAIR-compliance, discipline-based,	1.9 The repository facilitates linking in the metadata record between related contents such as preprints, published articles, data, and software (e.g. including PIDs for related resources held elsewhere)

2: Working with CORE

- Enabling participating repositories to use the CORE Repository Dashboard
 - tools for Open Access compliance checking, metadata quality validation, enrichment and assessment of repository health & access to raw data services
- Ran a webinar for participants in February - focussed on metadata and linking to "full text"
- Helped 8 participants to fix problems with OAI-PMH interfaces (2 more ongoing)

Why join How to join Data providers guide FAQs

Why become a data provider?

Facilitate access of your scientific research outputs to everyone in the world

[JOIN NOW](#) [LIST OF DATA PROVIDERS](#)

Why join the data providers community?

Increase your contents' discoverability and prevent its misuse

Inclusion in CORE ensures the widest possible dissemination of your open access content, resulting in increased visibility and discoverability of your papers. We achieve this by promoting your content to over 30 million monthly active users of CORE. Your content will be discoverable not just in CORE Search, but also across the open access network, within the systems of hundreds of data providers using the CORE Recommender (such as arxiv.org) and CORE Discovery plugins. We also integrate with PMC LinkOut and there are dozens of mission-driven third-party services that have been built on top of our aggregated data, such as the Pocket Open Access mobile app and the Lean Library discovery service. By cooperating with world-leading plagiarism detection solutions, we also facilitate early-detection and prevention of misuse of content produced by your staff.

A study of 21 UK institutions carried out in 2019 showed that when a repository is indexed by CORE, the number of content downloads increases by 15% on average and up to 32% if the repository is well configured for indexing.

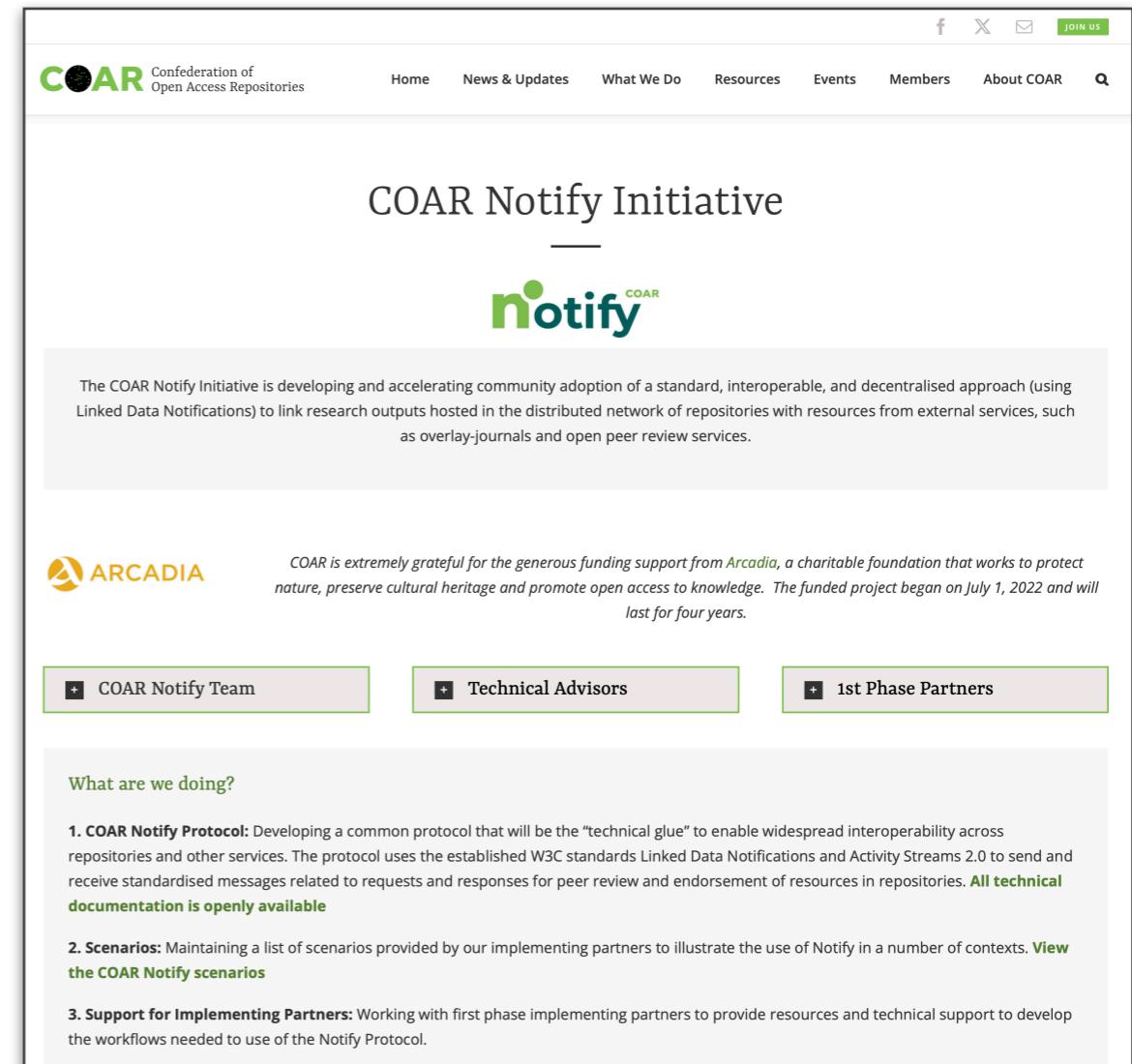
With millions of monthly active users, it matters to become a data provider and show to the world that your content is indexed.

INDEXED BY 

OAI i

3: Implementing COAR Notify

- will work with a subset of the participants to implement COAR Notify functionality
- some participants are already interested
- some participants are running on platforms which already (or soon will) support COAR Notify



The screenshot shows the COAR Notify Initiative page. At the top, the COAR logo is visible along with navigation links for Home, News & Updates, What We Do, Resources, Events, Members, About COAR, and a search icon. Social media icons for Facebook, X, and Email are also present, along with a 'JOIN US' button. The main title 'COAR Notify Initiative' is centered above a 'notify' logo. A descriptive text block explains the initiative's goal of developing and accelerating community adoption of a standard, interoperable, and decentralized approach using Linked Data Notifications. Below this, there's a section for 'ARCADIA' funding, a 'What are we doing?' section with three numbered items, and buttons for 'COAR Notify Team', 'Technical Advisors', and '1st Phase Partners'.

COAR Notify Initiative

notify

The COAR Notify Initiative is developing and accelerating community adoption of a standard, interoperable, and decentralised approach (using Linked Data Notifications) to link research outputs hosted in the distributed network of repositories with resources from external services, such as overlay-journals and open peer review services.

ARCADIA

COAR is extremely grateful for the generous funding support from Arcadia, a charitable foundation that works to protect nature, preserve cultural heritage and promote open access to knowledge. The funded project began on July 1, 2022 and will last for four years.

What are we doing?

- 1. COAR Notify Protocol:** Developing a common protocol that will be the “technical glue” to enable widespread interoperability across repositories and other services. The protocol uses the established W3C standards Linked Data Notifications and Activity Streams 2.0 to send and receive standardised messages related to requests and responses for peer review and endorsement of resources in repositories. [All technical documentation is openly available](#)
- 2. Scenarios:** Maintaining a list of scenarios provided by our implementing partners to illustrate the use of Notify in a number of contexts. [View the COAR Notify scenarios](#)
- 3. Support for Implementing Partners:** Working with first phase implementing partners to provide resources and technical support to develop the workflows needed to use of the Notify Protocol.

Next steps

1. Plan work for the adoption of the *USRN Desired Characteristics*, using resources from the *COAR Community Framework for Good Practices in Repositories*
2. Continue roll-out of CORE integration and support
3. Engage a subset of the participants in COAR *Notify* implementation projects



Thanks!

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