ARDC FY 2018-2019 Development Roadmap

Q3 2018

RDA relationship graph visualisation

(completed 4 July 2018)

- Within the record view page, RDA users will start to see a visual presentation of a record's relationships through the new relationship graph. Each node on the graph will provide users with some basic information about the related entity and will allow them to easily navigate to a linked page (e.g ORCID page, RDA page, etc.), as applicable. If no related object exists for that record, the graph will be hidden from view.

IGSN Service

- Enhancements to the IGSN service to support evolving Geoscience community requirements

DOI Service maintenance

(completed 4 July 2018)

- Implementation of a process to allow clients to transfer ownership (hosting and management) of all or selected DOIs to another ARDC client or even to another allocating agent outside of the ARDC
- Restructure DOIs by assigning a separate DOI prefix per client/organisation and removing client ID from DOI suffix
- Implementation of an endpoint to return the status of a DOI

RVA subscription feature

(completed 4 July 2018)

- Implementation of a subscription feature that will allow RVA users to receive notifications for changes to RVA content and functionality

Q4 2018

Research Data Australia enhancements

- Optimisation of relationship graph indexing and queries
- Integration of external content into relationship graph
- OAI-PMH service optimisation
- Site performance optimisation

DOI Service accounts consolidation

(completed 3 October 2018)

- Consolidation of DOI client accounts at DataCite which will allow administrators to manage a client's Test and Production accounts under a single client account. Each account will contain two App IDs with separate shared secrets while all domains and IP addresses from the Test and Production accounts will be combined in the new account format.

IGSN enhancement

(completed 3 October 2018)

- Enhancements to the IGSN service to support evolving Geoscience community requirements
- Implementation of fields which make it easier for a user to link to an ORCID ID or grant/project

NHRMC - ARDC Grant Information Linkage Pilot

- Alpha testing of NHRMC - ARDC Grant Information Linkage Pilot

Research Vocabularies Australia

(completed 3 October 2018)

- Public release of Vocabularies Registry API
- Enhancements to the concept browse tree visualisation in the RVA portal.

Q1 2019

IGSN Service enhancement

- Enhancements to the IGSN service API to further support M2M management of identifiers
- Continue work on enhancing the IGSN service in response to the requirement of the Geoscience community

RDA index optimisation

- RDA Index optimisation (investigate/implement Graph db into pipeline)

RDA infrastructure refresh - phase 1

NHRMC - ARDC Grant Information Linkage Pilot Enhancement

- Enhancements to Research Activity API to support NHRMC - ARDC Grant Information Linkage Pilot

Review of interoperability of the DOI system with DataCite API and schema

- Work on the review of the interoperability of the DOI system with DataCite API and schema will commence on Q1 2019

Handle Service enhancement

- Optimisation of Handle Service to support the RAID initiative

Research Vocabularies Australia optimisation

- Vocabulary widget optimisation
- Pursue other tooling features supporting re-use (consumption) of vocabularies (eg governance information)
- Implementation of logging and analytics.
- Facilitate/support/engage with key NCRIS facilities, ABS, CSIRO, AITSIS, NAA, Social Science

Q2 2019

RDA usage metrics implementation

- Implementation of:
  - Make Data Count
  - Clarivate
  - Scholix
- Analysis of inclusion of:
  - Event Data
  - Altmetrics

New RDA Data Services Registry sub-portal for services

- The Services sub-portal will be similar to the RDA Grants and Projects portal and will enable users to customise search through filters and facets.

GCMD vocabulary integration into RDA

- Integration of GCMD vocabulary into subject browse functionality and search filter

IGSN and Handle Service logging enhancement

- Improvements to event logging for the IGSN and Handle services in order to understand usage, accelerate problem analysis and enable the ARDC to make better and more informed planning decisions

DOI service optimisation

- Minting and updating DOIs via DataCite DOI Fabrica API
- Enhancement to the DOI system to remain interoperable with DataCite API and schema

Research Vocabularies Australia enhancement

- Investigation of service/system support for more complex knowledge organisation (eg poly-hierarchies, interrelated vocabularies (classes + relationships), ontologies)
- Analysis of the implementation of shared infrastructure with the Australian Government Linked Data Working Group for persistent URLs
- Infrastructure refresh