



Extending the value of a CRIS with Research Data Management

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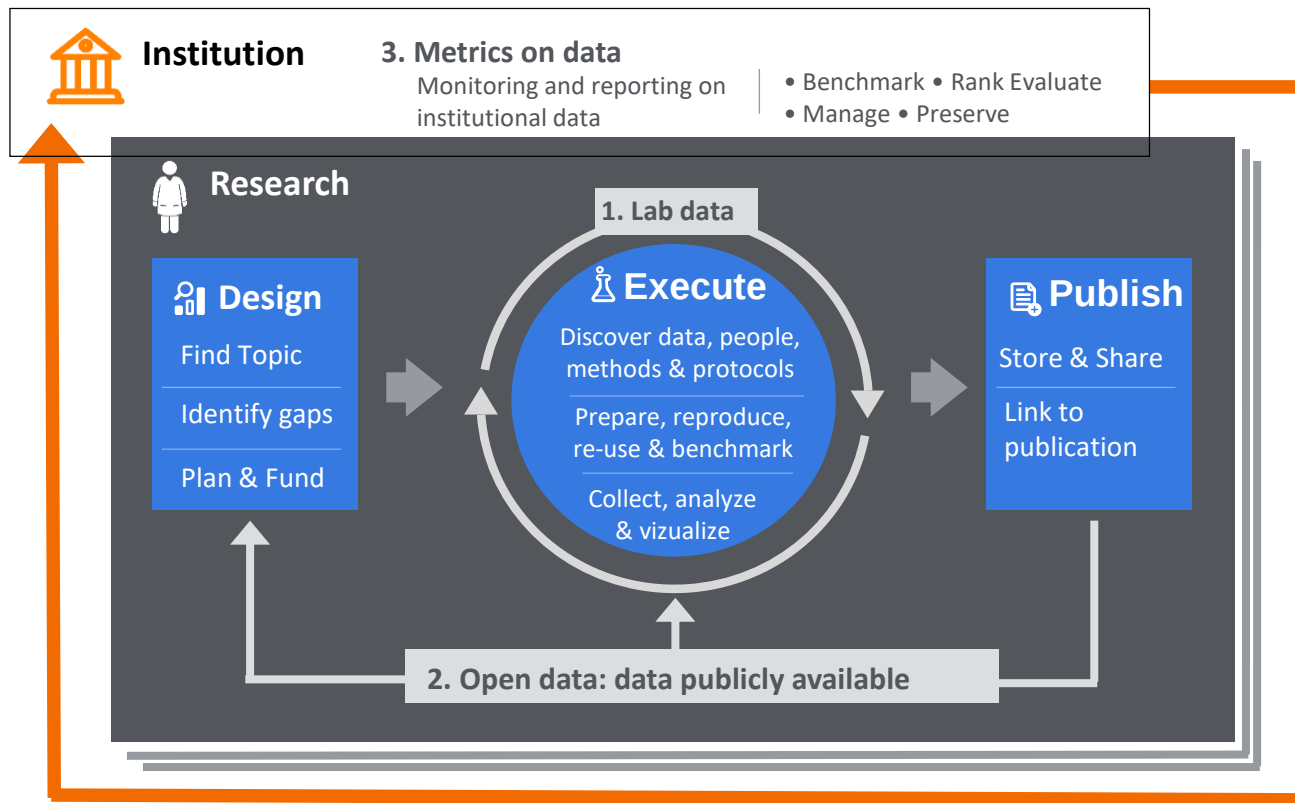
Agenda



- Research Data Management
- Requirements for CRIS
- Pure as a CRIS system
- The Pure RDM Solution
- Case Studies
 - University of Groningen (Datasets)
 - University of Canberra (Data Management Plans)

Introduction - Current Landscape

- Funders, associations, and institutes increasingly require data sharing



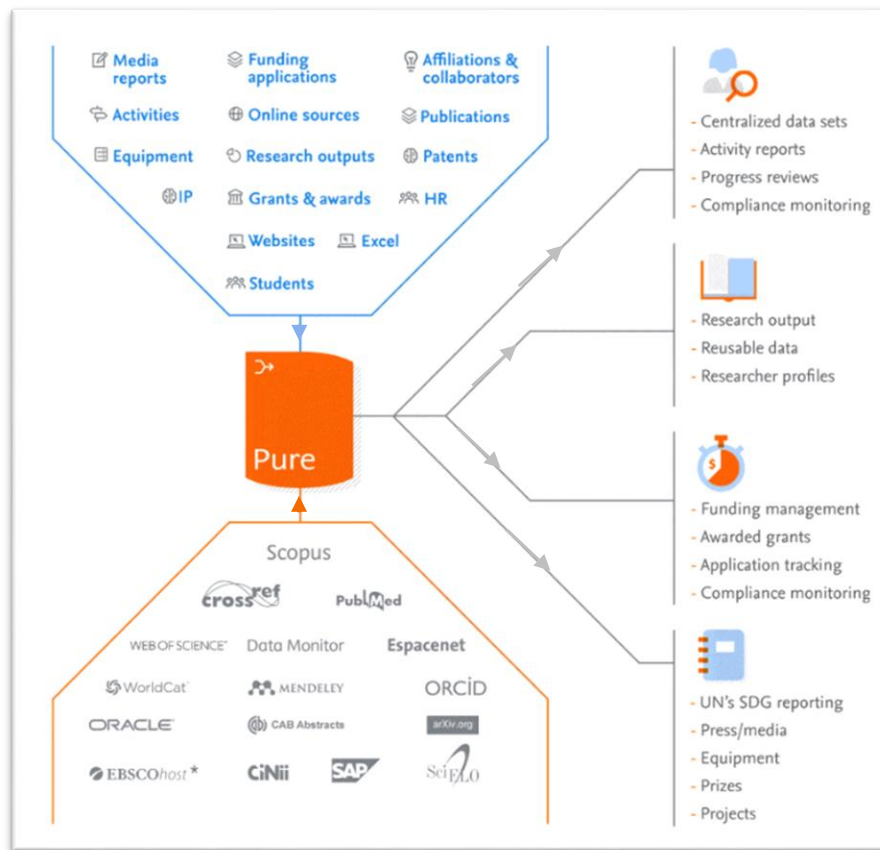
- Research data must be FAIR:

- Discoverable
- Accessible
- Reusable
- Reproducible

What do you need?

- CRIS provide extensive functionality for the management, reporting, and showcasing of the research data
- Value of CRIS lies in focus put on:
 - i. Data quality
 - ii. Data Interoperability
 - Use of common standards and protocols for data exchange
 - Support for different types of research data
 - Data model mapping
 - iii. System Integrations

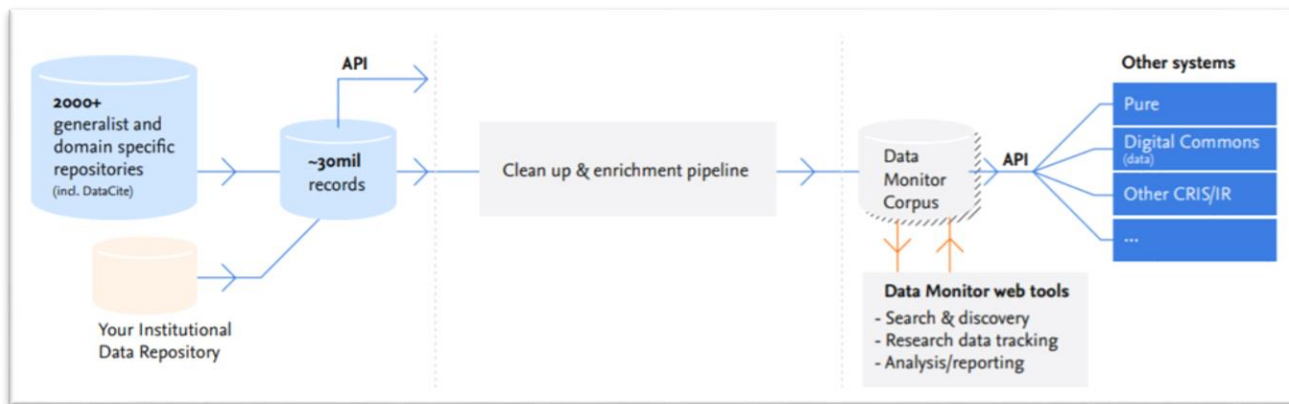
How does Pure support you?



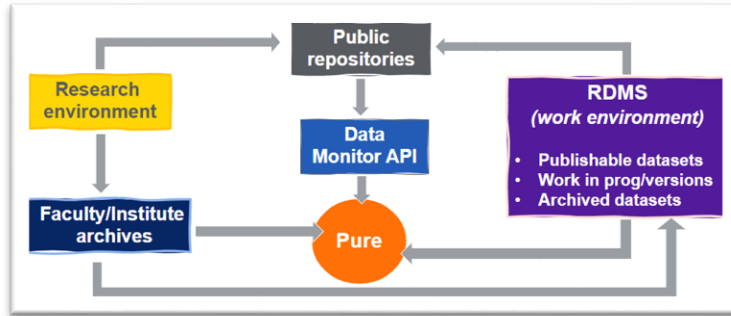
- Focus on 5Cs of data quality
- Integrations with external (and internal) systems
 - Support (and import) of different content types
 - Enrich and relate content
 - Register and store your data
- Support for standard formats (CERIF, Dublin Core, OpenAire) and data exchange protocols such as OAI-PMH

Expanding the value of Pure for RDM

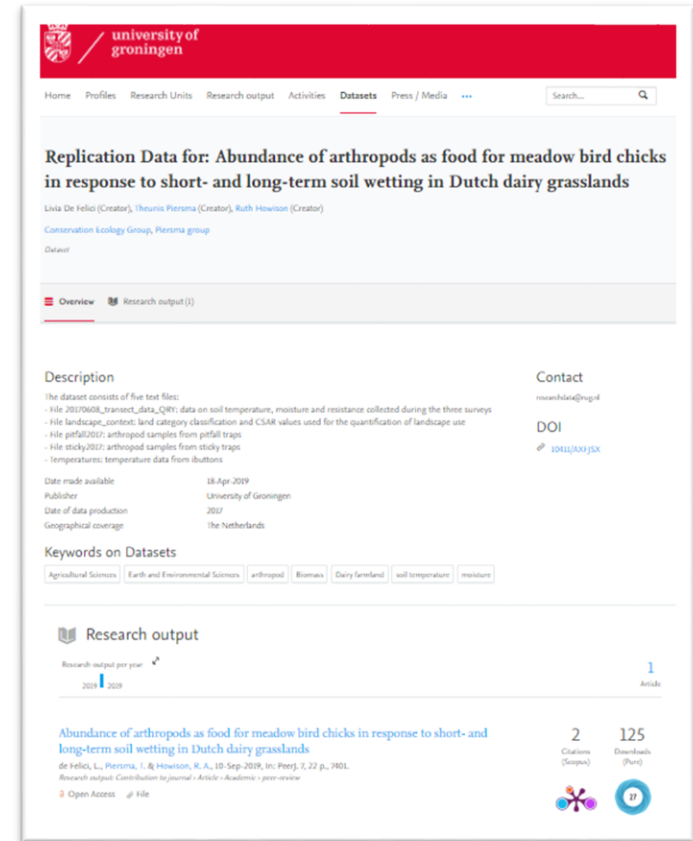
- Need different integrations to ensure that all pieces of the RDM ecosystem are present and tied together
 - Digital Commons- IR for archiving of data, workspaces for research collaborations
 - Data Monitor- specialized RDM tool to find, enrich and import datasets



University of Groningen: Datasets



- Project centered on discovery, import, linking and registration of research data (datasets)
 - In 12 months, datasets increased from 600 to 3000
- In Data Monitor: datasets cleaned up and enriched
- In Pure: curation and correct assignment of datasets
- Introduction of a common standard for metadata, compliant with the OpenAIRE guidelines.



The screenshot shows the 'Replication Data for: Abundance of arthropods as food for meadow bird chicks in response to short- and long-term soil wetting in Dutch dairy grasslands' dataset page on the University of Groningen Datasets portal.

Dataset Title: Replication Data for: Abundance of arthropods as food for meadow bird chicks in response to short- and long-term soil wetting in Dutch dairy grasslands

Creators: Livia De Felici (Creator), Theunis Piersona (Creator), Ruth Howison (Creator)

Conservation Ecology Group, Piersona group

Description:

- The dataset consists of five text files:
- File 20200408_transient_data_01.txt: data on soil temperature, moisture and resistance collected during the three surveys
- File landscape_context: land category classification and CSAR values used for the quantification of landscape use
- File pitfall2017: arthropod samples from pitfall traps
- File sticky2017: arthropod samples from sticky traps
- Temperatures: temperature data from iButtons

Keywords on Datasets: Agricultural Sciences, Earth and Environmental Sciences, arthropod, Biomass, Dairy farmland, soil temperature, moisture

Research output:

Abundance of arthropods as food for meadow bird chicks in response to short- and long-term soil wetting in Dutch dairy grasslands

de Felici, L., Piersona, T. & Howison, R. A., 10-Sep-2019, In: PeerJ, 7, 22 p., 1901.

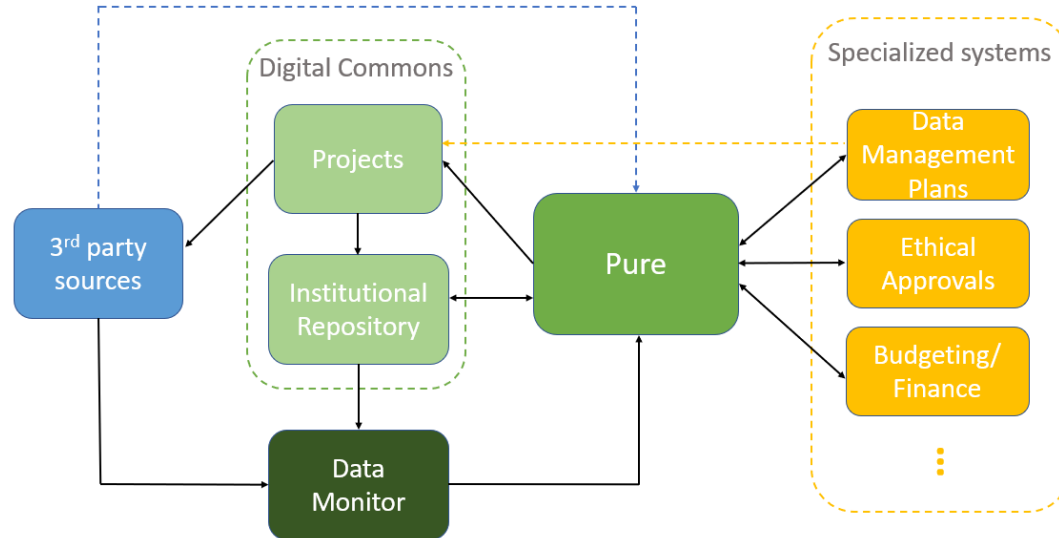
Research output: Contribution to journal - Article - Academic - peer-review

Open Access | File

2 Citations (Scopus) | **125 Downloads (Pure)**

The Pure RDM Solution

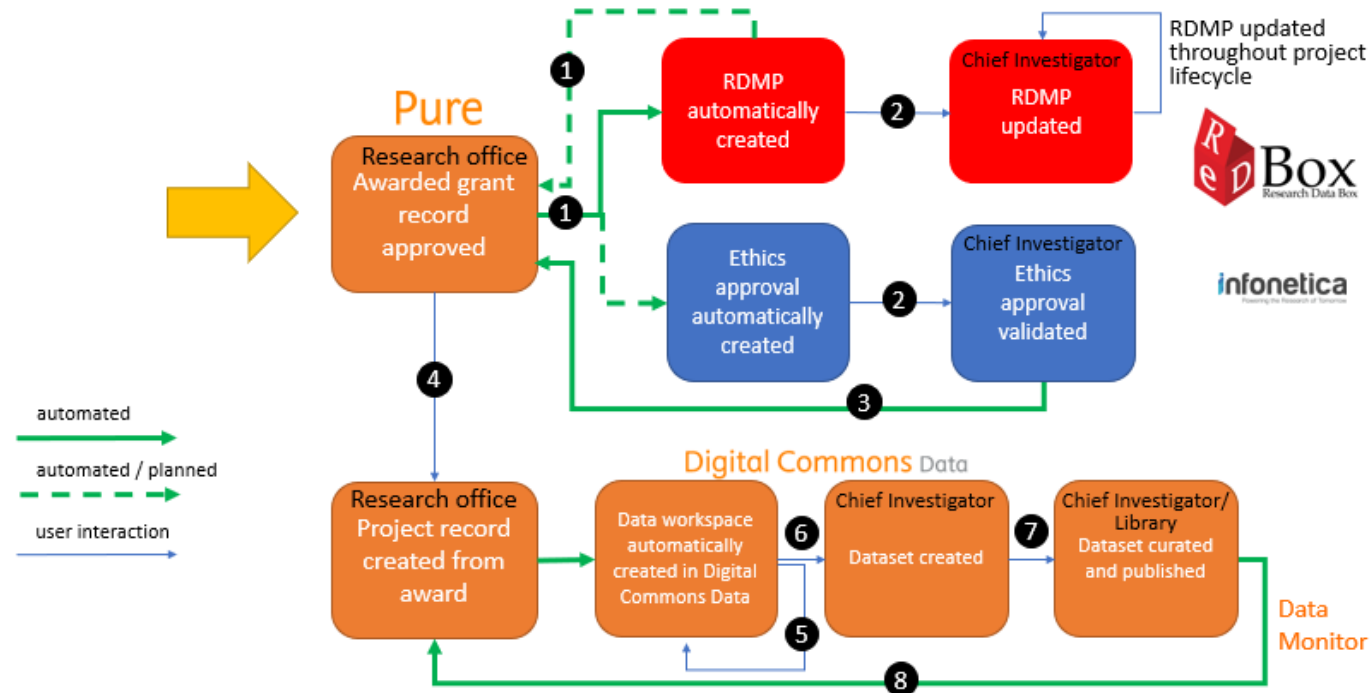
- Integration between Pure, Digital Commons and Data Monitor provides an end-to-end solution for research administrators



- Additional integrations to external specialized (and open source) systems can then be implemented in Pure

University of Canberra: Data Management Plan

- The integrated workflow: architectural view



UCanberra: from award to RDMP

Calm and Alert – Ready to Learn: A transition program created by families, EC service
Award: Other > Award

Identification ⓘ

Title *
Calm and Alert – Ready to Learn: A transition program created by families, EC service

Short title
Calm & Alert

Acronym
ASRP

Description
This project will investigate the effectiveness of a play-based program to enhance pre-schoolers' self-regulation (SR) in the transition to school, with a particular focus on children and families from diverse backgrounds and those experiencing risk or vulnerability. The program will be co-designed with families, Early Childhood (EC) educators, and school teachers. The program will subsequently be trialed in a pilot study involving two transition teams (EC providers and schools). Children's SR, learning dispositions, and developmentally appropriate academic learning will be assessed following a quasi-experimental pre-/post-test design. Findings will inform a funding application for a larger scale study that will scale-out the program more widely in the ACT and/or into other jurisdictions.

IDs
DMP ID: 031bb0b01c3a11eca9d2a9baa0ff674a Edit –

Add ID...

Award holders ⓘ

Related award holders *

 **Deborah Pino Pasternak, PI**
Internal person Edit + –

 **Education** –

from award
to RDMP

Calm and Alert – Ready to Learn: A transition program created by families, EC services and schools

Edit this plan Create a data record from this plan

Description
This project will investigate the effectiveness of a play-based program to enhance pre-schoolers' self-regulation (SR) in the transition to school, with a particular focus on children and families from diverse backgrounds and those experiencing risk or vulnerability. The program will be co-designed with families, Early Childhood (EC) educators, and school teachers. The program will subsequently be trialed in a pilot study involving two transition teams (EC providers and schools). Children's SR, learning dispositions, and developmentally appropriate academic learning will be assessed following a quasi-experimental pre-/post-test design. Findings will inform a funding application for a larger scale study that will scale-out the program more widely in the ACT and/or into other jurisdictions.

Expand/Collapse all

- Project

Project overview

Project ID
58236613

Keywords

Project website

Enter the start date of your project.
01/02/2021

End Date
31/12/2022

Funding source
ACT Government

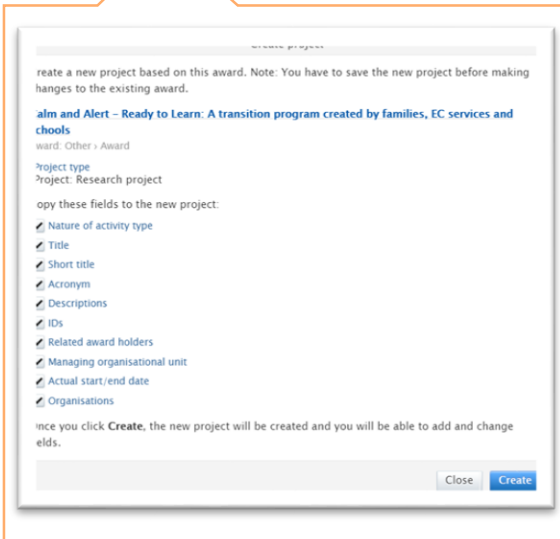
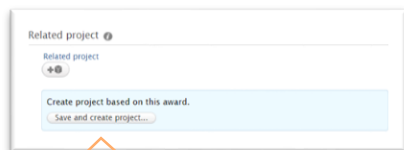
Link back

This content is sourced from an external system. You may view the content in the external system by following the links below.

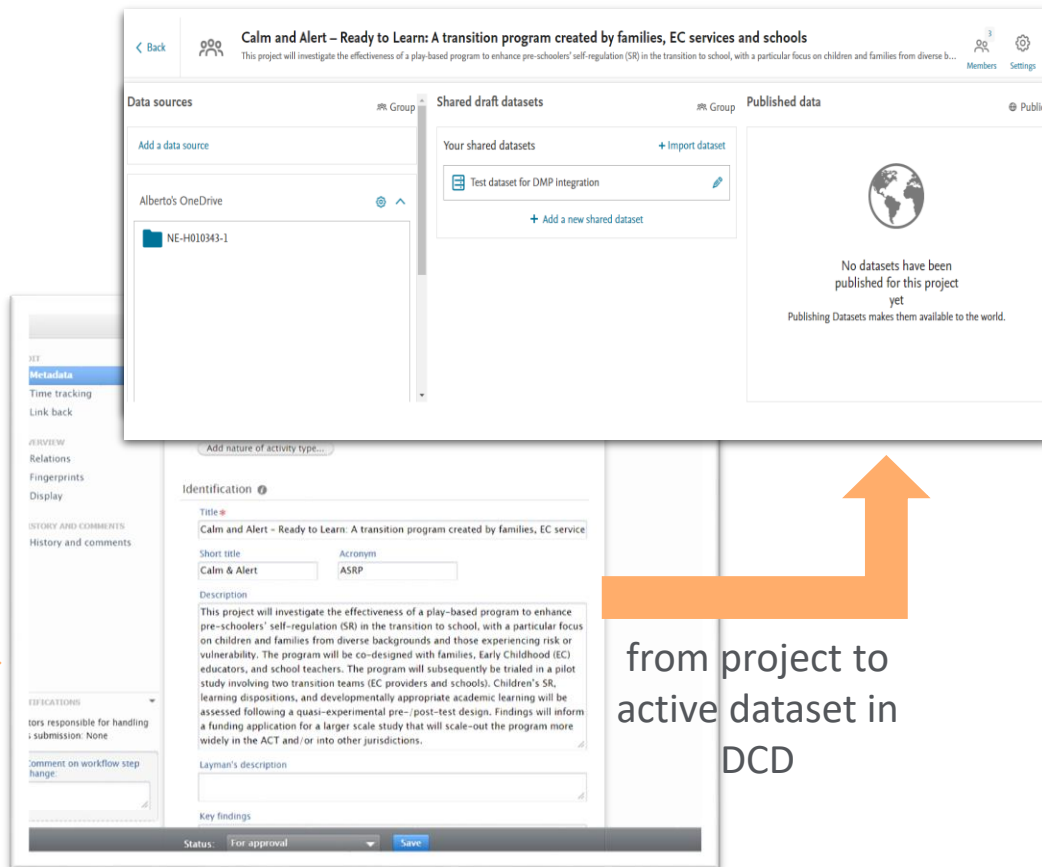
View content in external system:

• DMP ID: 031bb0b01c3a11eca9d2a9baa0ff674a

UCanberra: from award to project to dataset



from award
to project in
Pure



from project to
active dataset in
DCD



UCanberra: from active to published dataset



Datasets in moderation

Waiting for review

Returned to owner

Title	Submitter	Date Submitted	
Test dataset for DMP integration	Alberto Zigoni	21 Oct 2021 09:05	View draft Activity

Activity

- Alberto Zigoni submitted a dataset into moderation
21 Oct 2021 09:05
- Comment added by a moderator:
"Please enter steps to reproduce"
21 Oct 2021 09:04
- Alberto Zigoni submitted a dataset into moderation
21 Oct 2021 09:04

Before you publish

- ☒ I understand that I cannot delete or change the dataset
You will not be able to edit or delete this version of your dataset, but you will be able to publish a new version of the dataset if you need to make changes.
- ☒ I understand the dataset will be accessible to the public
This version of your dataset will be discoverable, citable (with its own DOI) and downloadable by anyone.
- ☒ I confirm the dataset does not contain confidential or personal information
You have verified that your dataset does not contain confidential or personal information. (See full terms which must be complied with)

Cancel

Publish

Edit dataset title and description

Test dataset for DMP integration

Reason previously returned
Please enter steps to reproduce

Description
Test dataset for DMP integration

Steps to reproduce
Steps to reproduce

Submitter: Alberto Zigoni
Contributors: Alberto Zigoni
Institutions: Elsevier BV
Departments:
Categories: Testbed
Version: 1

Request changes

Elsevier BV

My Data

Projects

Collections

Moderation

Admin

Data Monitor



This is your published dataset

To make changes to your dataset

Create new version

Test dataset for DMP integration

Published: 21 October 2021 | Version 1 | DOI: 10.17632/zwcnxvp6fx.1

Contributor: [Alberto Zigoni](#)

Description

Test dataset for DMP integration

Download All

Files

NE-H010343-1



my-research-data-from-institutional-cloud-storage.xlsx

17 KB



Dataset metrics

No metrics available.

Latest version

Version 1
Published: 21 Oct 2021
DOI: 10.17632/zwcnxvp6fx.1

Cite this dataset

Zigoni, Alberto (2021), "Test dataset for DMP integration", Mendeley Data, V1, doi: 10.17632/zwcnxvp6fx.1

Copy to clipboard

UCanberra: from published dataset to record in Pure

Data Monitor integration

In this configuration page you can set up integration with Data Monitor to automatically source Dataset content.

What is the Data Monitor integration

Enabling the integration with Data Monitor will automatically create Dataset content (associated with relevant Persons and Organisations) in Pure. Relations with Research Outputs will also automatically be created, where available.

Enabling the Data Monitor integration below will turn on the 'Data Monitor: Import Datasets' job, and set it to run on a weekly basis. The settings can be changed in the 'Administrator > Jobs > Cron Job Scheduling' menu.

Data Monitor integration

Turn on the Data Monitor integration to source existing and future Dataset content.
Turn off the Data Monitor integration to pause the integration and prevent new Dataset content being populated in Pure.

Data Monitor integration

☒ On ☐ Off

[+ Add content](#)

Tasks

88 Datasets were found in Data Monitor

Edit dataset association

Related object

Test dataset for DMP integration
 Dataset

Award

Calm and Alert – Ready to Learn: A transition program created by families, EC services and schools
 Award: Other > Award

Project	Nature of activity	Funder	Ethical reviews	Applications	Awards	Awarded	Spend	Funded period	Allocated time (H)	Spend time (H)	Documents	Upcoming milestones	Research outputs	Activities	Acronym	Impacts	Datasets	Prizes	Facilities/Equipment	Press/Media
ASRP: Calm and Alert – Ready to Learn: A transition program created by families, EC services and schools Pino Pasternak, D., Pamphillon, B., Simoncini, K. & Zigoni, A. Project: Research project	Research	ACT Government				122,303.00 GBP	0.00 GBP	Feb 2021 – Dec 2022									ASRP			

Datasets

Test dataset for DMP integration
 Zigoni, A. (Contributor), Mendeley Data, 24 May 2021
 DOI: 10.17632/238p2496v3.1, <https://data.mendeley.com/datasets/238p2496v3>
 Dataset

Lesson Learned and Next Steps

- Research data is distributed over a large number of data repositories
- Not all data is structured
- Workflows are multiple and strongly dependent on the process that needs to be completed

What next?

- Work together with the community to find and develop an optimized solution
- Our goal is to reach a point in which connections between Pure and external systems can easily be set up



Any Questions?

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