



# CSIRO/CHORUS

## Research Resources/Facilities Pilot

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FAIR Facilities and Instruments Workshop

Florida State University

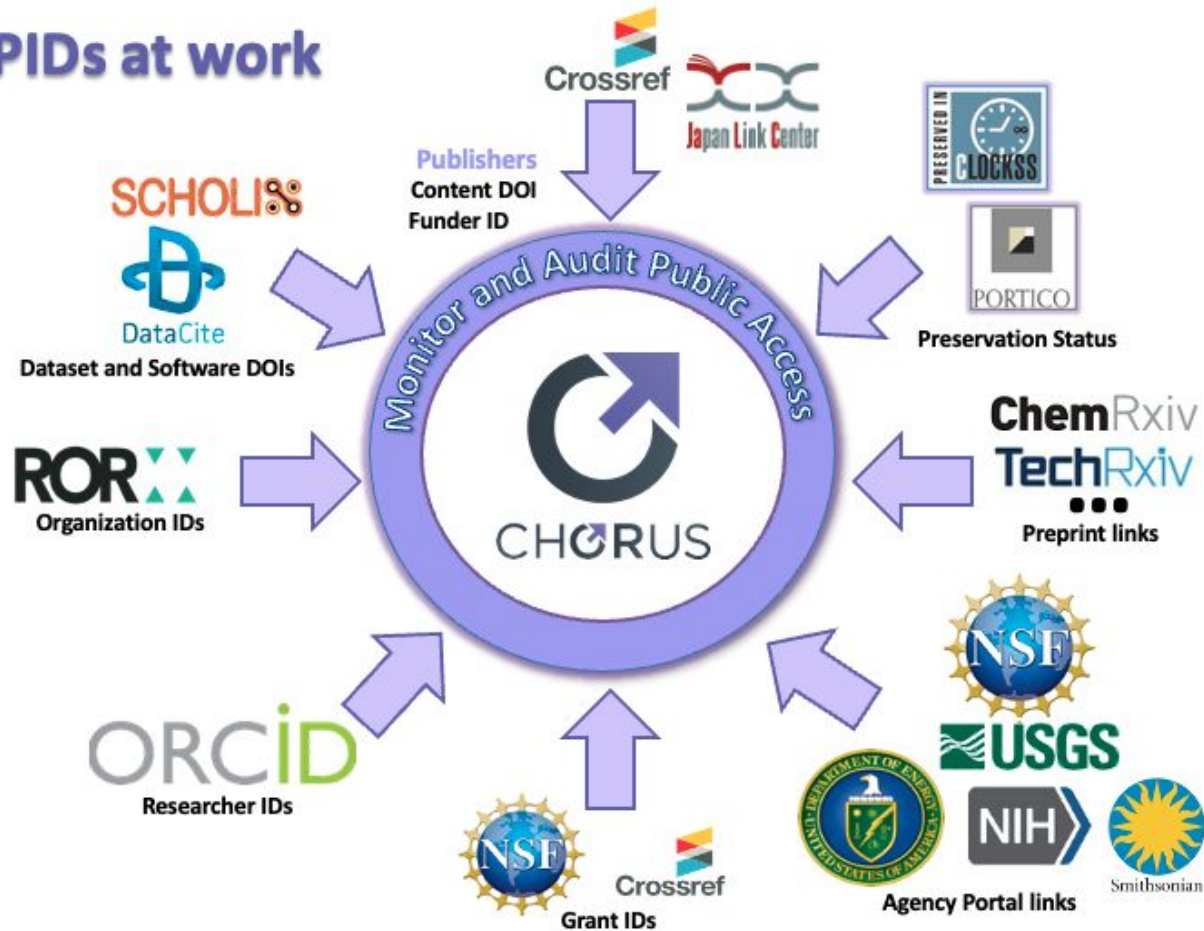
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# CHORUS



- Provides trusted information about the outputs of funded research.
- Assists funders, institutions, and publishers, see, find, and understand the status of the outputs of funded research.
- Identifies funded research outputs.
- Helps to minimize compliance burdens for researchers, institutions, funders, and publishers.
- Delivers optimized search and dashboard services for monitoring and compliance.
- Monitors and reports on open access of research outputs on publishers' platforms.

# PIDs at work





# Commonwealth Scientific and Industrial Research Organization

- **Impact Science:** Nine national research business units with focus on the biggest challenges facing the nation.
- **National Facilities and Collections:** Manages infrastructure and biological collections for the benefit of research and industry.
- **CSIRO Services:** Commercial, customer-centric products and services for industry, government and the community.

# CSIRO Facilities



## Open to researchers globally:

- Australia Telescope National Facility
- Australian Centre for Disease Preparedness
- Marine National Facility
- National Research Collections
- National Vaccine and Therapeutics Lab
- Atlas of Living Australia
  
- *Pawsey Supercomputing Research Centre (agent/joint venture)*
- *Australian Synchrotron (part funded)*
- *NovaSAR-1 satellite (share)*
- *And others ...*

# Facilities Pilot - Key Points



## The published record

- Uses existing persistent identifiers and publisher workflows.
- Easy compliance for research teams using the facilities.
- CHORUS and CSIRO will monitor outputs for ATNF and MNF.



## For CSIRO

- Use of facilities recorded in the published article output.
- Illustrate return on investment, impact, and article outputs.
- Report facilities' use by domestic and global researchers.



## The future

- Expand to all CSIRO facilities.
- Establish cost-neutral global standard for research facilities and publishers.

# Research Resources / Facilities Pilot



A working group was formed to develop a workflow to be followed by research teams using the facilities, the CSIRO administrators of the facilities, and publishers. This has now been agreed and is being used in a pilot started in 2024. Membership of the working group included representatives from the CSIRO facilities and pilot publishers as well as from Crossref, NISO, and ORCID.

## CSIRO Facilities Selected for the Pilot

- Australia Telescope National Facility (ATNF)
- Marine National Facility (MNF) that operates the research vessel the *RV Investigator*



# Pilot Publishers



The following CHORUS member publishers joined the pilot:

- American Chemical Society (ACS)
- American Physical Society (APS)
- Elsevier
- Institute of Physics Publishing (IOPP)
- Oxford University Press (OUP)
- Springer Nature
- Wiley

97 journals in total were selected – the most published by research teams using ATNF and MNF. Including journals from the American Astronomical Society, American Geophysical Union, Royal Astronomical Society, Linnean Society, and other partner societies



# Pilot Workflow



Facility registers PIDs  
(Funder ID and Grant DOI) and  
allocates to awardees



Authors reference facilities in  
Acknowledgement sections &  
include Funder ID and Grant DOI



Publishers include PIDs (Funder  
ID and Grant DOI) in articles and  
metadata



Data providers list PIDs

# Publishers Workflow



Pilot publishers will use existing workflows in their Manuscript Submission/Tracking Systems (MTS) and production processes tracking Crossref Funder IDs for the facilities and Crossref Grant DOIs for the specific research projects to ensure metadata is included in the published articles and in the associated Crossref records.

- Little additional cost for recording the use of the facilities.
- Minimum extra work for the research teams using the facilities.

# Monitoring

- CHORUS will monitor Funder IDs and Grant DOIs in the published journal articles discovered and report data.
- The Working Group will compare the published output against CSIRO's data on applications for use of the two facilities.
- The Workflow may be adapted as the pilot continues to increase compliance.

**Note:** Researcher compliance is always an issue in monitoring article output.

# Marine National Facility Data



## Applications/awards:

- Generally made two years before voyages.
- Supplementary made later to fill capacity.
- Piggyback even later which require little resourcing.

## Voyages:

- 5-9 voyages/year, up to 26 projects/voyage.
- Facility users asked and reminded to report Funder IDs and Grant DOIs on return.
- Alternate voyages, users asked and reminded to report Funder IDs only for comparison of compliance.
- Potentially up to 234 research teams publishing results to be monitored by the Pilot.



# Australia Telescope National Facility Data



## Facilities:

ATCA, Murriyang (Parkes), Long Baseline Array, ASKAP, Tidinbilla

## Applications/awards:

- Five different categories for each or combined facilities.
- Two 6-month semesters awarded, April and October.
- 241 applications for Oct 2024. Oversubscribed.

## Outputs:

- Facility users asked to report Funder IDs and Grant DOIs.
- There is no alternate inclusion/exclusion of Grant DOIs.
- Compliance to include facility in acknowledgements in the past at 80-90%.
- Datasets publicly available after 18 months.





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# Tracking Research Facilities in Science: A CSIRO/CHORUS Pilot Sets Sail



By **TODD A CARPENTER** | MAR 25, 2024 | 2 COMMENTS

<https://scholarlykitchen.sspnet.org/2024/03/25/tracking-research-facilities-in-science-a-csiro-chorus-pilot-sets-sail/>



# Thank you

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