National Oceanic and Atmospheric Administration (NOAA) Institutional Repository (IR) Implementing Public Access

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NOAA CENTRAL LIBRARY

Science, Service, Stewardship

NOAA Central Library

Jennifer Fagan-Fry,
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Public Access Mandates (the Holdren & Nelson Memos)

- Office of Science & Technology Policy Memo (2013): “Increasing Access to the Results of Federally Funded Scientific Research”
  - Agencies with >$100M in research annually to create a plan to make results of this research available to the public
    - Required publications and underlying data be made publicly available
  - Called for each agency to develop public access plans for implementation
    - NOAA Plan for Increasing Public Access to Research Results (NOAA PARR Plan) (Feb. 2015)
- Office of Science & Technology Policy Memo (2022): “Ensuring Free, Immediate, and Equitable Access to Federally Funded Research”
  - Expands to all federal agencies (regardless of expenditures
  - Focus on data, publications, an research integrity
  - Agencies to update plans/policies

New Requirements Under Nelson Memo

- **All peer-reviewed scholarly publications and NOAA Technical Memoranda and Reports** authored or co-authored by NOAA employees, contractors, affiliates, or grantees, shall be made **freely available and publicly accessible without any embargo or delay in an agency designated repository**.
    - "[…]in formats that allow for machine-readability and enabling broad accessibility through assistive devices"
- Scientific data underlying publications as well as **data that are not associated with publications**, shall be made freely available and publicly accessible by default at the time of publication.
- Transparently communicate to the public critical **information about research outputs**, including that which is **related to the authorship, funding, affiliations, and development status** of federally funded research through the use of **persistent identifiers.**

Implementing Public Access @ NOAA

NOAA Institutional Repository

NOAA IR Holdings

- NOAA authored and funded publications
- 18 Collections
  - By Line Office & program specific
- NOAA Publications back to 1970
  - Includes:
    - Technical reports/memoranda, etc.
    - Data/Cruise/Administrative reports (methodologies)
    - Program/Strategic documents
    - Conference proceedings
    - Manuals/Handbooks
    - Reports (to Congress, annual, grant, etc.)
- Journal articles 2015-present

Implementing OSTP Publication Requirements

- "Without delay" = 0 day embargo
  - Currently 12 month embargo on manuscripts
  - Will flip when new policy is live (projected: Jan. 2025)
    - Policy current in NOAA approval process
- When available from the publisher a machine readable version (i.e., XML or JSON) of the publication is made available
  - JSON version for NCL scanned gray literature
  - *IN THE WORKS:*
    - how to fully implement MR versions for ALL publications
- Inclusion of use and re-use rights in IR metadata

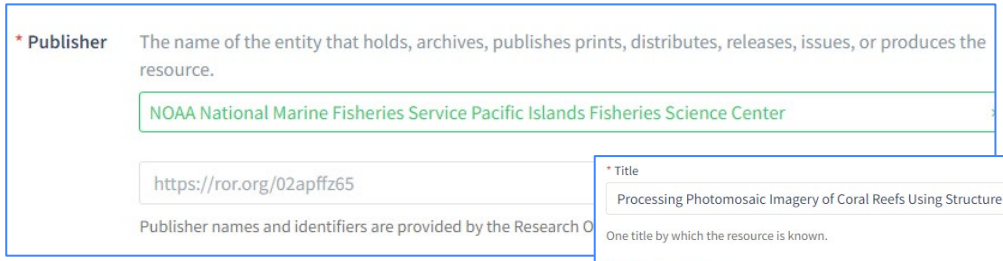
Implementing OSTP Data Requirements

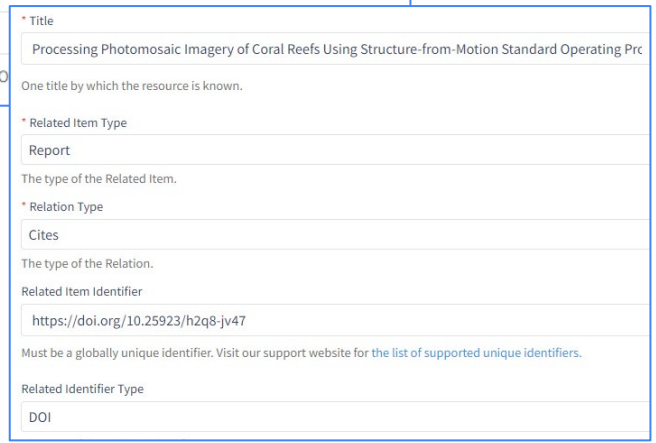
- Data associated with a scholarly publication is linked via Supporting Files for all publications in the NOAA IR
- NOAA has one official data repository:
  - National Centers for Environmental Information
  - Currently holds data associated with pubs and data not associated with pubs
    - Observations, operational data, etc.
- Currently working across Library & NCEI to map metadata for easier linking
- Expanded data policy still in approval stage

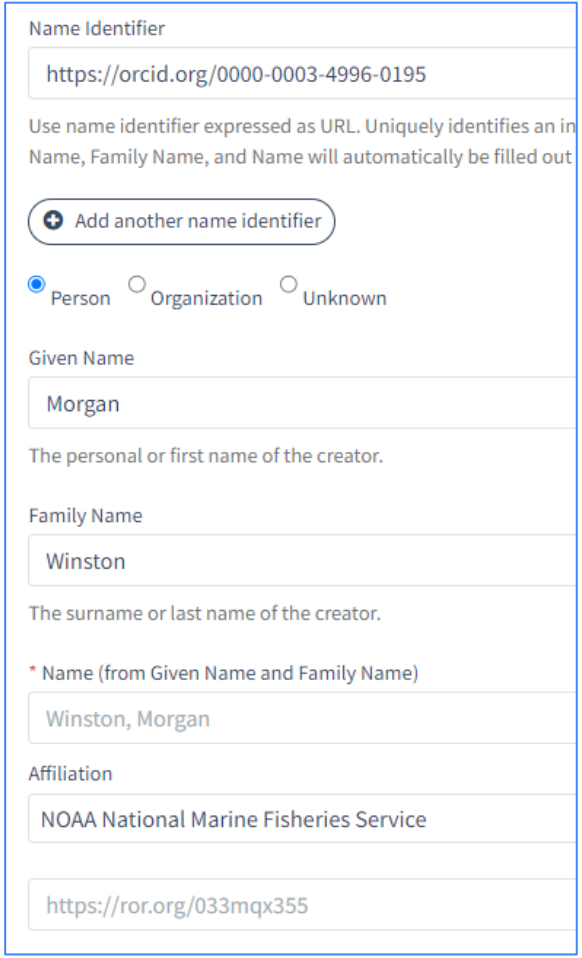
Implementing Persistent Identifiers in the NOAA IR

- Assigning digital object identifiers (DOIs) to all NOAA series and technical publications (via Datacite)
  - Metadata includes:
    - Author ORCID iDs
    - RORs for publishing office
    - Related identifiers (i.e. dataset DOIs, code, etc.)
- Inclusion of ORCID iDs in NOAA IR metadata
- Use of ROR's for identifying NOAA Offices and facilities
- *IN THE WORKS*:
  - DOIs for software & code (including models)
  - PIDs for data acquisition events (cruises, flights, etc.)
  - PIDs for awards (i.e. grants, cooperative agreements)

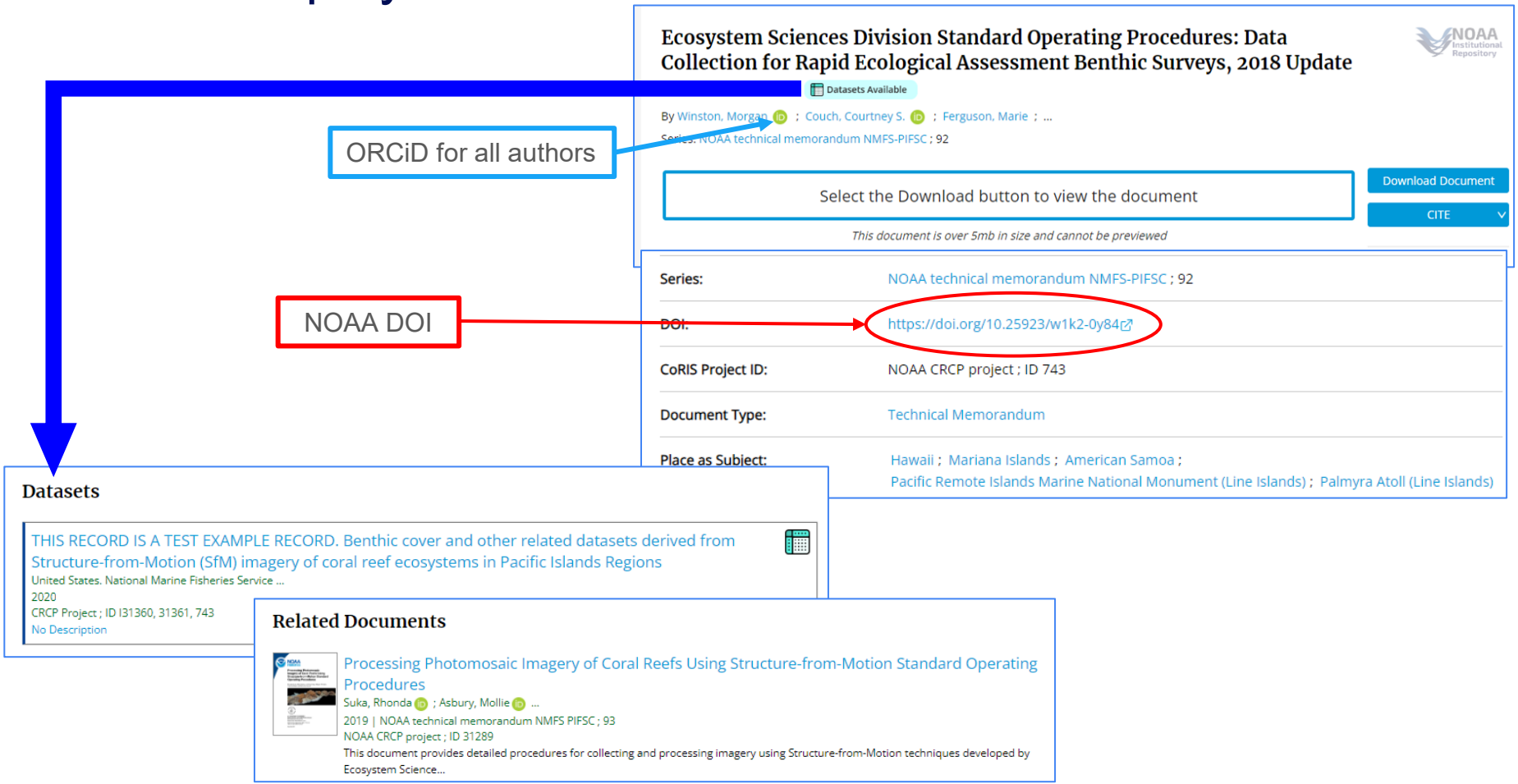
DOI Metadata (Datacite)







NOAA IR Display & Metadata



NOAA Institutional Repository Demo

Questions?

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