

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

Jennifer Fagan-Fry
NOAA Institutional Repository Manager & Scholarly Communications Librarian

Katie Poser
Outreach Librarian

*Office of Oceanic and Atmospheric Research, Office of Science Support, NOAA
Central & Regional Libraries
June 13, 2024*



Science, Service, Stewardship

NOAA Central Library



Jennifer Fagan-Fry,
Head of Scholarly
Publishing & NOAA IR



Katie Poser, Head
of Outreach



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, and 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



Search our Collections

All Collections

Enter keyword or phrase...

[Advanced Search](#)



NOAA IR Annual
Operating Report FY22



NOAA R&D Vision
Areas:2020-2026



Recent NOAA Publications



Gaps in NEXRAD Radar
Coverage

Quick Links

[Submissions](#)

[Submission & DOI Request Form](#)

[Submission FAQs](#)

[Section 508 Guide](#)

[NOAA Resources](#)

[NOAA IR API \(For Developers\)](#)

Trending This Week

[Chemical and physical properties of refined petroleum products](#)

[Diagnosis of noise in the NMC Global Model using a time filter](#)

[FM/CW radar signals and digital processing](#)

[Biological Impact of Ocean Acidification in the Canadian Arctic: Wides...](#)



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)

Ecosystem Sciences Division Standard Operating Procedures: Data Collection for Rapid Ecological Assessment Benthic Surveys, 2018 Update Text

Morgan Winston, Courtney Couch, Marie Ferguson, Brittany Huntington, Dione W. Swanson, Bernardo Vargas-Ángel,

Text published 2019 via NOAA National Marine Fisheries Service Pacific Islands Fisheries Science Center
NOAA technical memorandum NMFS-PIFSC ; 92



<https://doi.org/10.25923/w1k2-0y84>

*** Publisher** The name of the entity that holds, archives, publishes prints, distributes, releases, issues, or produces the resource.

NOAA National Marine Fisheries Service Pacific Islands Fisheries Science Center

<https://ror.org/02apffz65>

Publisher names and identifiers are provided by the Research Organization

*** Title**
Processing Photomosaic Imagery of Coral Reefs Using Structure-from-Motion Standard Operating Pro

One title by which the resource is known.

*** Related Item Type**

Report

The type of the Related Item.

*** Relation Type**

Cites

The type of the Relation.

Related Item Identifier

<https://doi.org/10.25923/h2q8-jv47>

Must be a globally unique identifier. Visit our support website for the list of supported unique identifiers.

Related Identifier Type

DOI

Name Identifier

<https://orcid.org/0000-0003-4996-0195>

Use name identifier expressed as URL. Uniquely identifies an individual. Name, Family Name, and Name will automatically be filled out

[+ Add another name identifier](#)

Person Organization Unknown

Given Name

Morgan

The personal or first name of the creator.

Family Name

Winston

The surname or last name of the creator.

*** Name (from Given Name and Family Name)**

Winston, Morgan

Affiliation

NOAA National Marine Fisheries Service

<https://ror.org/033mqx355>

NOAA IR Display & Metadata

Ecosystem Sciences Division Standard Operating Procedures: Data Collection for Rapid Ecological Assessment Benthic Surveys, 2018 Update



Datasets Available

By Winston, Morgan ; Couch, Courtney S. ; Ferguson, Marie ; ...
Series: NOAA technical memorandum NMFS-PIFSC ; 92

ORCID for all authors

Select the Download button to view the document

Download Document
CITE

This document is over 5mb in size and cannot be previewed

NOAA DOI

Series: NOAA technical memorandum NMFS-PIFSC ; 92

DOI: <https://doi.org/10.25923/w1k2-0y84>

CoRIS Project ID: NOAA CRCP project ; ID 743

Document Type: Technical Memorandum

Place as Subject: Hawaii ; Mariana Islands ; American Samoa ;
Pacific Remote Islands Marine National Monument (Line Islands) ; Palmyra Atoll (Line Islands)

Datasets

THIS RECORD IS A TEST EXAMPLE RECORD. Benthic cover and other related datasets derived from Structure-from-Motion (SfM) imagery of coral reef ecosystems in Pacific Islands Regions



United States. National Marine Fisheries Service ...
2020
CRCP Project ; ID I31360, 31361, 743
No Description

Related Documents



Processing Photomosaic Imagery of Coral Reefs Using Structure-from-Motion Standard Operating Procedures

Suka, Rhonda ; Asbury, Mollie ...

2019 | NOAA technical memorandum NMFS PIFSC ; 93
NOAA CRCP project ; ID 31289

This document provides detailed procedures for collecting and processing imagery using Structure-from-Motion techniques developed by Ecosystem Science...

NOAA Institutional Repository Demo

The screenshot shows the NOAA Institutional Repository website. At the top, there is the NOAA logo and the text "National Oceanic and Atmospheric Administration" and "United States Department of Commerce". A search bar contains "Search NOAA IR Collections" and a dropdown menu set to "All". A navigation bar includes links for Home, Collections, Recent Additions, Submit, Submission Information, Help, and About NOAA Inst. Repos. The main content area features the NOAA Institutional Repository logo and a search section with a dropdown for "All Collections", a text input for "Enter keyword or phrase...", and a "Search" button. A featured banner for the "2022 NOAA Science Report" includes a landscape image and a "Learn More" button. Below this are four featured items: "NOAA IR Annual Operating Report FY22", "NOAA R&D Vision Areas:2020-2026", "Recent NOAA Publications", and "Gaps in NEXRAD Radar Coverage". A "Quick Links" sidebar lists "Submissions", "Submission & DOI Request Form", "Submission FAQs", "Section 508 Guide", "NOAA Resources", and "NOAA IR API (For Developers)". A "Trending This Week" section lists "Chemical and physical properties of refined petroleum products", "Diagnosis of noise in the NMC Global Model using a time filter", "FM/CW radar signals and digital processing", and "Biological Impact of Ocean Acidification in the Canadian Arctic: Wides..."

NOAA
National Oceanic and
Atmospheric Administration
United States Department of Commerce

Search NOAA IR Collections All

Advanced Search

Home Collections Recent Additions Submit Submission Information Help About NOAA Inst. Repos.

NOAA
Institutional
Repository

Search our Collections

All Collections

Enter keyword or phrase...

Advanced Search

Search

2022 NOAA Science Report

Many of NOAA's scientific accomplishments represent transformative advancements for priority research and development topics.

Learn More

NOAA IR Annual Operating Report FY22

NOAA R&D Vision Areas:2020-2026

Recent NOAA Publications

Gaps in NEXRAD Radar Coverage

Quick Links

Submissions

Submission & DOI Request Form

Submission FAQs

Section 508 Guide

NOAA Resources

NOAA IR API (For Developers)

Trending This Week

Chemical and physical properties of refined petroleum products

Diagnosis of noise in the NMC Global Model using a time filter

FM/CW radar signals and digital processing

Biological Impact of Ocean Acidification in the Canadian Arctic: Wides...



Questions?

jennifer.fagan-fry@noaa.gov

katie.poser@noaa.gov

