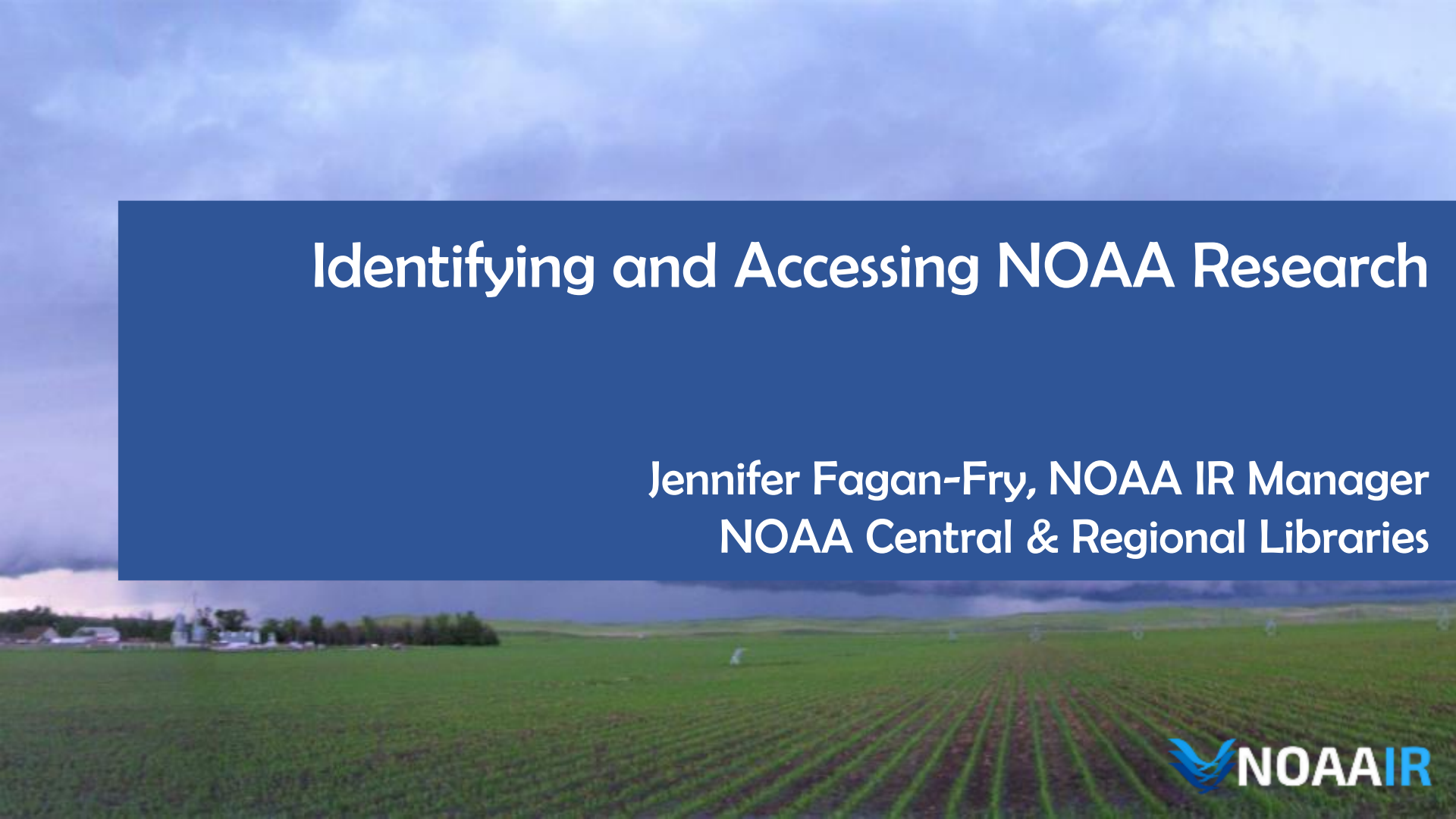


Identifying and Accessing NOAA Research

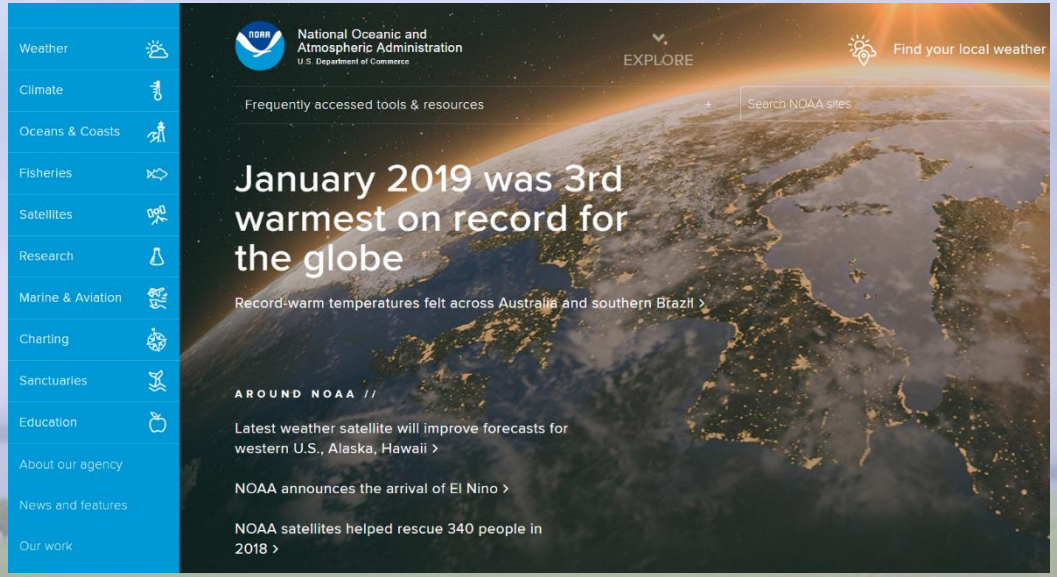
Jennifer Fagan-Fry, NOAA IR Manager
NOAA Central & Regional Libraries

NOAAIR

What is NOAA?

(National Oceanic and Atmospheric Administration)

“From the bottom of the ocean to the surface of the sun”



NOAAIR

Assistant Secretary of Commerce for Environmental Observation and Prediction, Acting Under Secretary of Commerce for Oceans and Atmosphere;
Dr. Neil Jacobs

Assistant Secretary of Commerce for Oceans and Atmosphere and Deputy NOAA Administrator;
RDML Timothy Gallaudet, Ph.D., USN Ret.

Chief Scientist;
Craig McLean *(Acting)*

- National Marine Fisheries Service (NMFS)
- National Ocean Service (NOS)
- National Weather Service (NWS)
- National Environmental Satellite, Data, & Information Services (NESDIS)
- Office of Oceanic & Atmospheric Research (OAR)
- Office of Marine & Aviation Operations (OMAO)

NOAAIR

NOAA Research: the Good

One of the largest producers of research/data in....

Ocean/Atmosphere Interactions

Climate

Coastal Zone Management

Fisheries

Meteorology

Satellites

NOAAIR

NOAA Research: the Bad

Silos of Excellence

- Vastly different areas of research
- Lack of agency-wide policies/procedures
- Little communication/coordination between offices
- Isolated access points

NOAAIR

NOAA Publishing: the Good

Wide variety of publication types

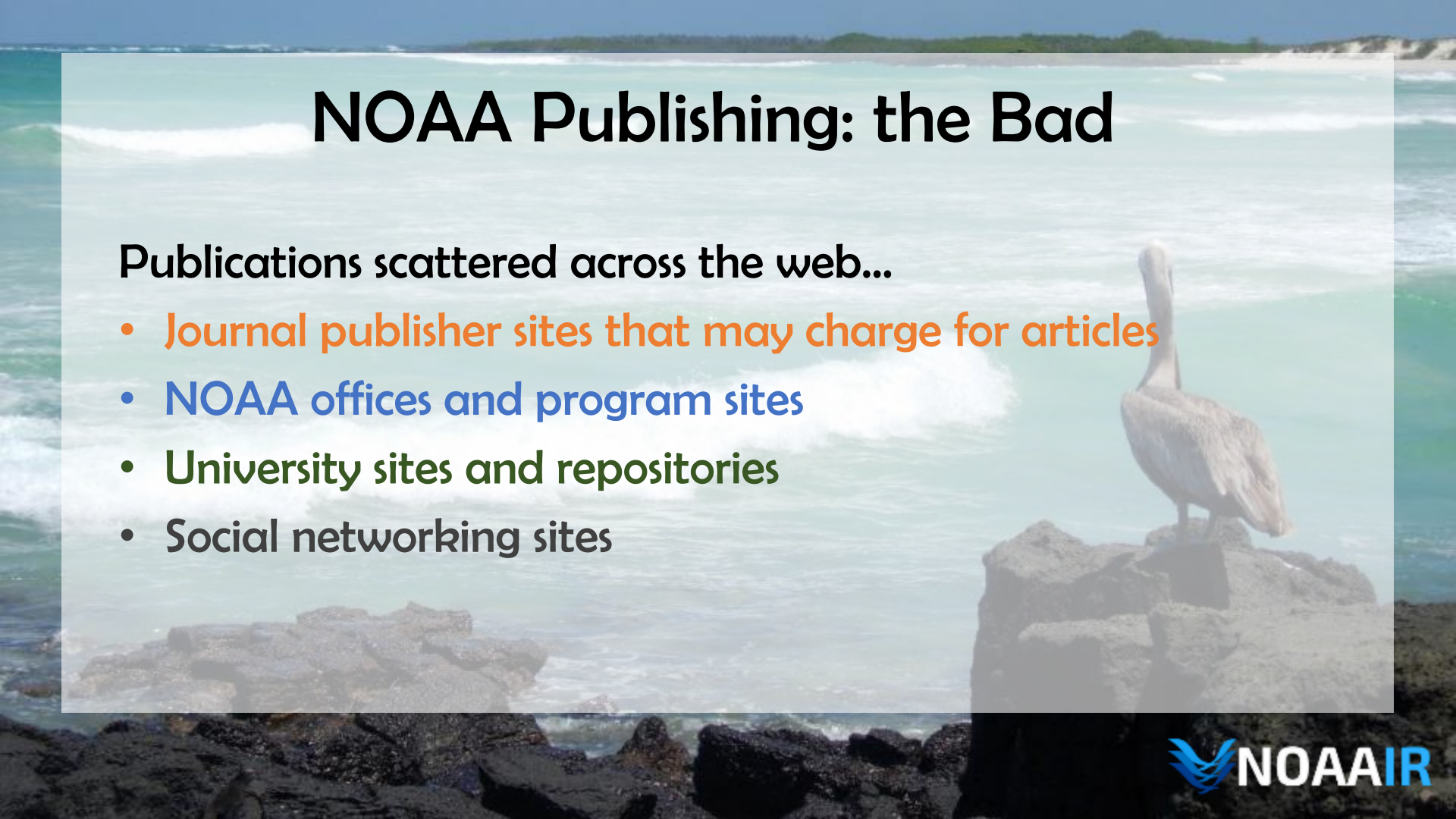
- Grey literature
  - Tech Memos, Data Reports, etc.
- Journal articles
- Congressional reports
- Strategic plans, regulations, etc.

NOAAIR

NOAA Publishing: the Bad

Publications scattered across the web…

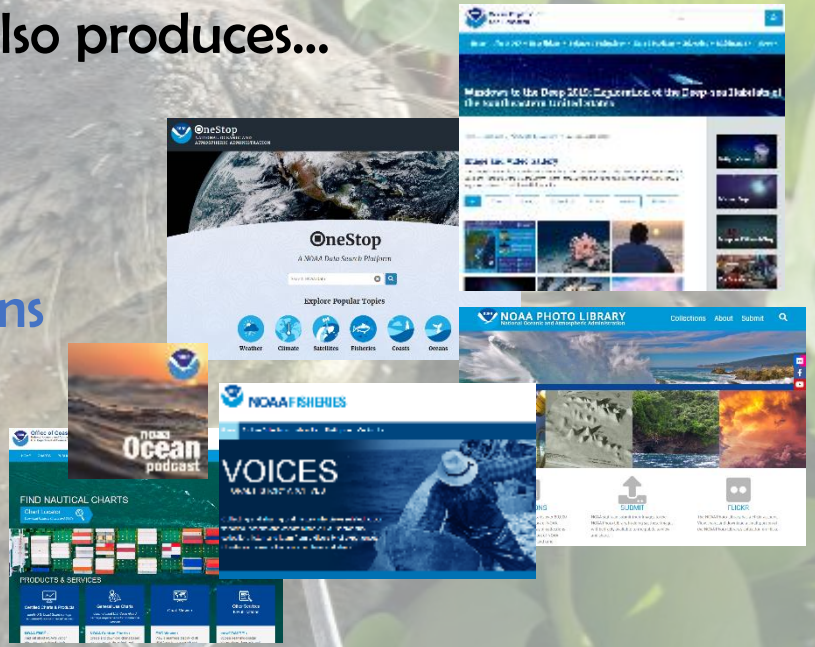
- Journal publisher sites that may charge for articles
- NOAA offices and program sites
- University sites and repositories
- Social networking sites



Other NOAA Research Products

In addition to publications NOAA also produces…

- Charts, maps, visual media
  - Videos, photos, etc.
  - NOAA Ocean Podcast
- Oral histories & heritage collections
- Datasets
- Models & devices
  - Software, patents, etc.



NOAA IR

NOAA Central Library

Mission

- Support and further NOAA's mission by providing access to scientific, technical and legislative information covering global climate change, aquaculture, coastal zone management, fisheries, meteorology, ocean/atmospheric interactions, remote sensing, cartography, geophysics, photogrammetry, GIS, and water resources.
  - Network of 20+ libraries across the country

Users

- NOAA Research Community
- Department of Commerce & other federal agencies
- Greater scientific community
- General public

Collection

- Current and historical NOAA publications and data
- Predecessor agency collections

NOAAIR

NCL Services

- Author Services (Scholarly Communications)
  - NOAA Institutional Repository*
    - DOI minting for NOAA publications
    - Section 508 compliance assistance
  - Author IDs (ORCID)
  - Citation Analysis
- Research Services
- Bibliometrics
  - Author, Office, Agency level

NOAAIR

What is the NOAA IR?

A digital library of NOAA publications

- Peer-Reviewed Articles
- NOAA Technical Reports and Memorandum
- 40+ years of NOAA Research

19,000+ items

1970 - present

NOAA IR

Why do we have an IR?

White House Office of Science and Technology Policy memo (Feb.2013)

- Agencies with >$100M in research annually to create a plan to make results of this research available to the public

NOAA Plan for Increasing Public Access to Research Results (NOAA PARR Plan) (Feb. 2015)

- Covers data and publications
- Called for the creation of an Institutional Repository

NOAA IR

National Oceanic and Atmospheric Administration
United States Department of Commerce

Home | Collections | Authors | Recent Additions | Submit | About NOAA Inst. Repos.

NOAA Institutional Repository

All Collections | Enter keyword or phrase... | Search

Advanced Search

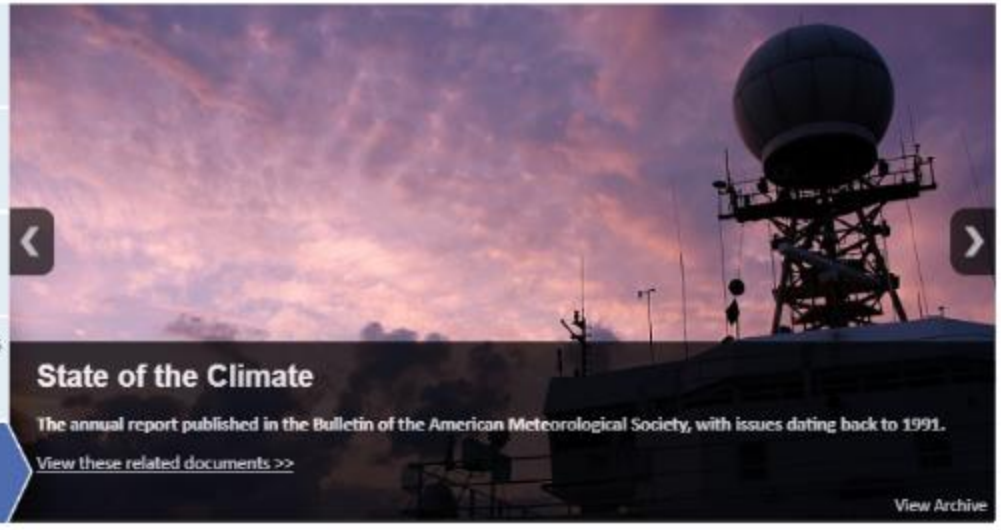
Shipwrecks & Abandoned Vessels

U.S. National Climate Assessments

National Ocean Service (NOS)

Projections of High Tide Flooding-US Coastline

State of the Climate



Put a NOAA promotional badge on your website

Institutional Repository

NOAA

Recently Added

Injury Determinations for Marine Mammals Observed Interacting with Hawaii and American Samoa Longlin...
Added: 02/11/2019

Most Popular

Chemical and physical properties of refined petroleum products

Laboratory methods for the analysis of microplastics in the marine environment : recommendations for quantifying synthetic

NOAA IR as Research Support

Publishing

- IR is primary place for NOAA publications
- Open Access publishing increase
  - Requirement for some grants
  - Easier submission process to the IR
- Movement towards standardized publishing practices
- Long term access/preservation of research

NOAAIR

NCL as Research Support

- Increased profile of the library
  - Publications Group (NOAA-wide)
  - Expanding services
    - Portfolio review for offices/programs/labs
  - Technical support
    - Section 508, EndNote, etc.
- Focus on discoverability of and access to NOAA Research
  - Not just publications: data, video, photos, etc.

NOAAIR

NCL as Research Support

Section 508 Requirements

- All federal agencies make their electronic and information technology accessible to people with disabilities who require assistive technologies such as screen or text readers, braille translators, etc.
- Not Enforced prior to NOAA IR
- All submission go through 508 quality check
- Not just IR submissions being edited now
  - Library provides guidance for CBAs, email accessibility, web accessibility, internal documents, etc.

NOAAIR

Continuing Challenges

- Buy in from stakeholders for NOAA IR
  - Enforcement of submissions/participation
- Lack of resources
  - Tools
    - Enterprise solutions for content management
  - Staffing
    - People to manage/process submissions, requests for bibliographies, bibliometrics demands, etc.

NOAAIR

Continuing Challenges

- Vague/limited agency policies
  - Still few agency-wide policies, left to each LO
- Documenting the research process
  - Grants/$$→ R&D → Data collection/management → Publication(s)
  - Showing linkages between these items

NOAAIR

Resources

- NOAA Institutional Repository
- NOAA Photo Library
- OneStop Data Search Platform
- Voices Oral History Archives
- National Sea Grant Library
- Office of the Coast Survey
- OER Video Portal
- NOAA Ocean Podcast

NOAAIR

QUESTIONS?

jennifer.fagan-fry@noaa.gov

NOAA IR