CoRIS the Evolution of a Data Management Program

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CRCP Mission and Focus

Mission: To support effective management and sound science to preserve, sustain, and restore valuable coral reef ecosystems for future generations



We focus on the three biggest global threats + restoration:

- > CRCP Strategic Plan
- > Grants and Cooperative Agreement Programs



Where We Work





NOS NMFS OAR NESDIS

NCCOS

-Atlantic Reef Monitoring
-Atlantic Mapping
-Water quality
-Coral Physiology

OCM

-Grants Management -Management Liaisons -Socio-Economic Program Coordination

- NCRMP Coordination
- LBSP Coordination
- Climate Coordination
- International Program NOAA/USAID IAA

ONMS

-Florida Keys NMS
-Flower Garden Banks NMS
-Fagatele Bay NMS
Paphanoumokuakea MNM
- MPA Center

PIFSC

-Pacific Reef Monitoring
-Pacific Reef Climate
-Pacific Mapping
-Socioeconomic Studies

SEFSC

-Atlantic Reef Monitoring
-Coral Biology
-Fisheries Science
-Socioeconomic Studies

PIRO

- -Pacific Fishery Liaisons
- -Watershed Restoration
- -Local Capacity Building

<u>SERO</u>

- -Atlantic Fishery Liaisons
- -ESA species recovery
- -Education & Outreach
- Local Capacity Building

<u>OHC</u>

-Program Coordination
Coral & Watershed Restoration

AOML

Atlantic Reef Climate
-Water Quality
-Coral Ecology and
Fisheries Research

OAP

-Climate and Reef Monitoring

<u>OER</u>

-CRCP HQ Support

PMEL

-Ocean Monitoring

NCEI

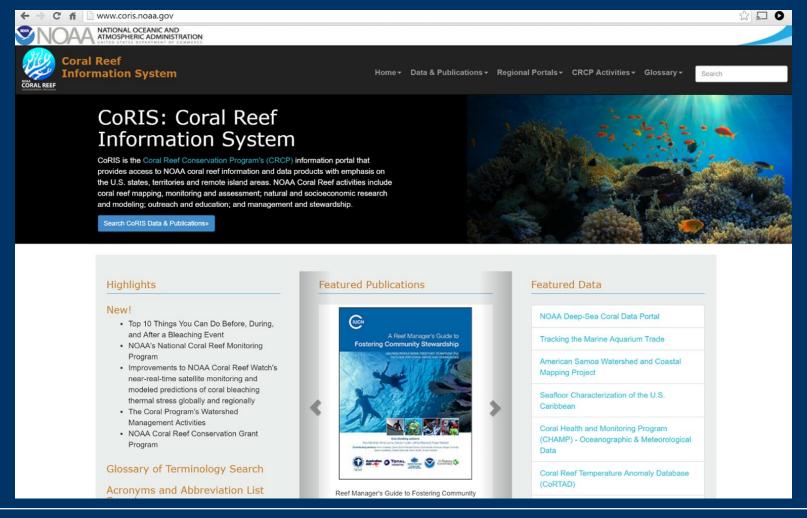
-CRCP Data Management -CRCP HQ Support -Coral Reef Information System (CoRIS)

STAR

-Coral Reef Watch



Coral Reef Information System (CoRIS)





CRCP Data & Publications

Data

- In situ observations and measurements
 - Biological, chemical, atmospheric, etc.
- Satellite data and products
- Ocean & Atmospheric models
- Aerial Imagery
- Bathymetry / Shoreline
- Surface Currents
- Digital Video Observations
- Paleoclimate (Coral Cores)
- Socioeconomic

Publications

- Journal Articles
- NOAA Technical Memoranda
- Unpublished Scientific Reports
- Educational & Outreach Materials
- Websites
- Conference Proceedings / Workshop Reports













Federal Data Policy

 Public Access to Research Results (PARR)



The Obama Administration is committed to the proposition that citizens deserve easy access to the results of research their tax dollars have paid for. That's why, in a policy memorandum released today, OSTP Director John Holdren has directed Federal agencies with more than \$100M in R&D expenditures to develop plans to make the results of federally funded research freely available to the public—generally within one year of publication.





NOAA Procedural Directives

Data access

 All data must be made available one year after the time of collection and made accessible until deemed unuseful

Data documentation

Metadata and associated documentation

Data management plan

All data should be covered by a data management plan

Publication policy

 All federally funded research publication will be made publicly available one year after publication



What this all means

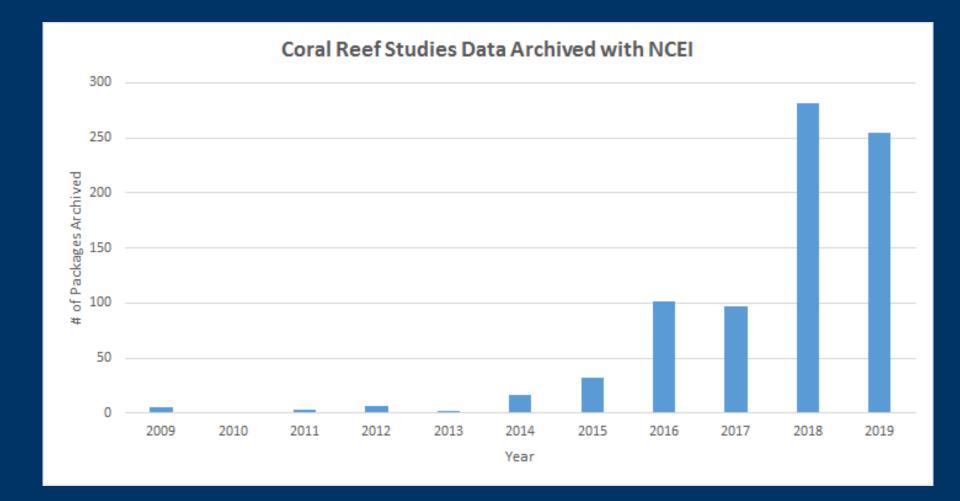
 Data must be archived and made accessible in a timely manner





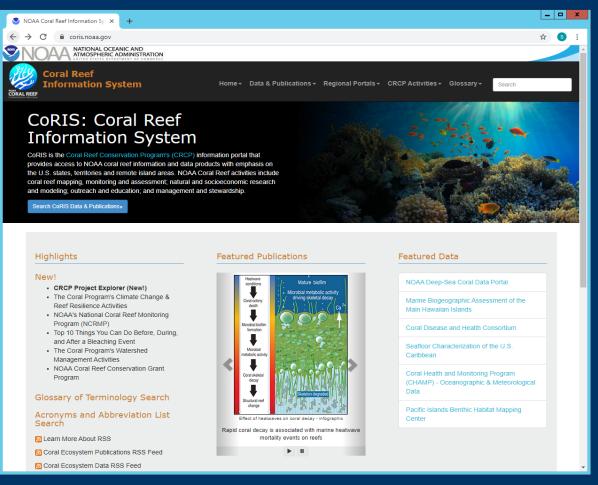
 Proper metadata and documentation is needed to make the data understandable.







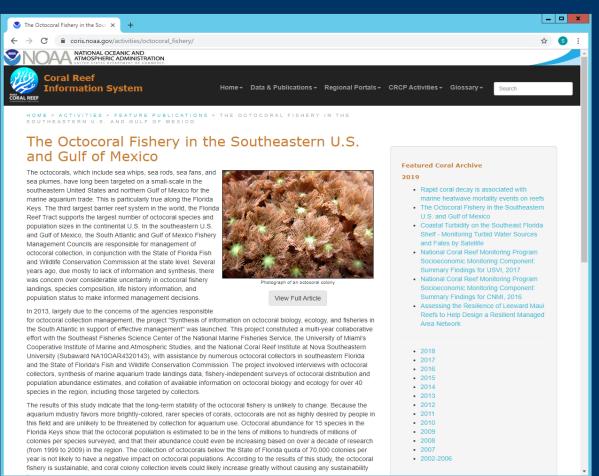
Coral Reef Information System



- Featuring new content on the homepage monthly
- Highlighting key publications including journal articles
- Featuring projects
- Building project based websites.



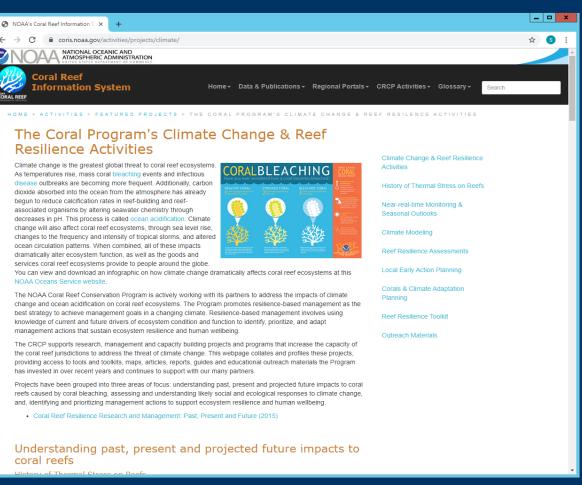
Featured Publication Pages



- Highlight key Program activities on a monthly basis
- Summarize findings for the general public increasing the potential audience for scientific results
- Advertised through social media increasing the reach of our scientific work



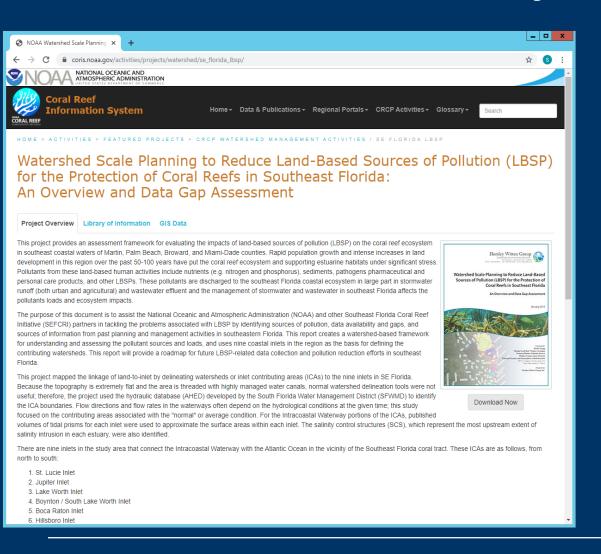
Featured Project Pages



- Highlight projects and thematic focus areas for the program.
- Related publications and data are packaged together to facilitate discovery & access
- Incorporates canned searches of the catalog for related materials



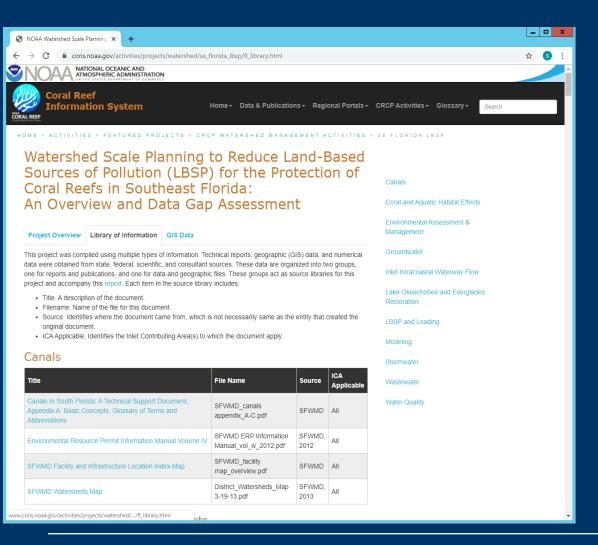
CoRIS Mini Project Websites



- Project websites
 provide access
 options not available
 from home office.
- Summarize results and provide access to data and publications
- Access to this service is only open to projects with open data



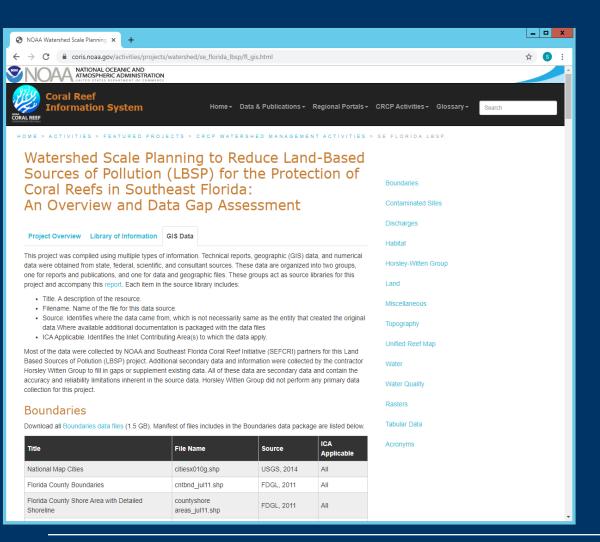
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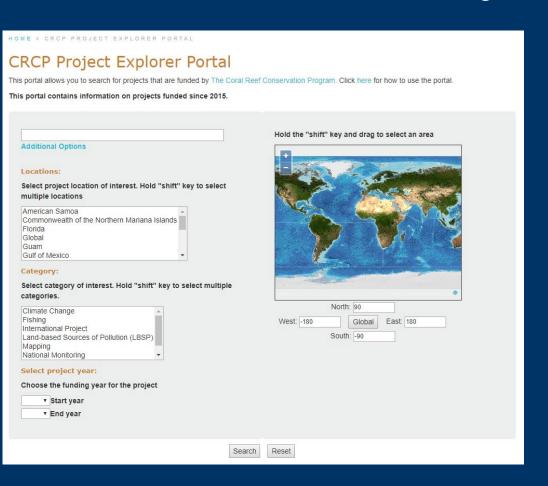
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CRCP Project Explorer



- All current and past (back to FY15) project information
- Links to CoRIS to show all deliverables
- Shows current ongoing work



ERDDAP is a data server that gives you a simple, consistent way to download subsets of gridded and tabular scientific datasets in common file formats and make graphs and maps.

ERDDAP > tabledap > Data Access Form @

Information: Summary @ | FGDC | ISO 19115 | Metadata | Background № | Make a graph

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Coral Reef Conservation Program (Dataset ID: CRCP FL benthic cover)

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S ERDDAP - CRCP FL Benthic Cover X +

Dataset Title: CRCP FL Benthic Cover MISS

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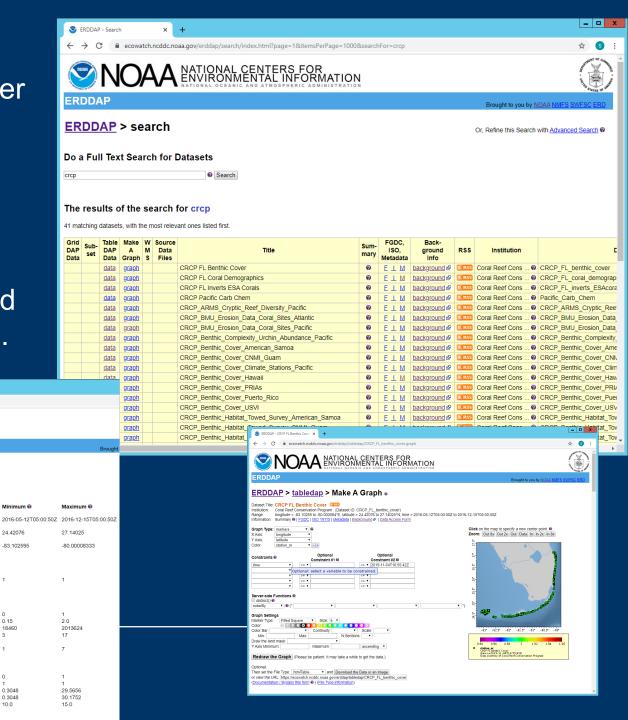
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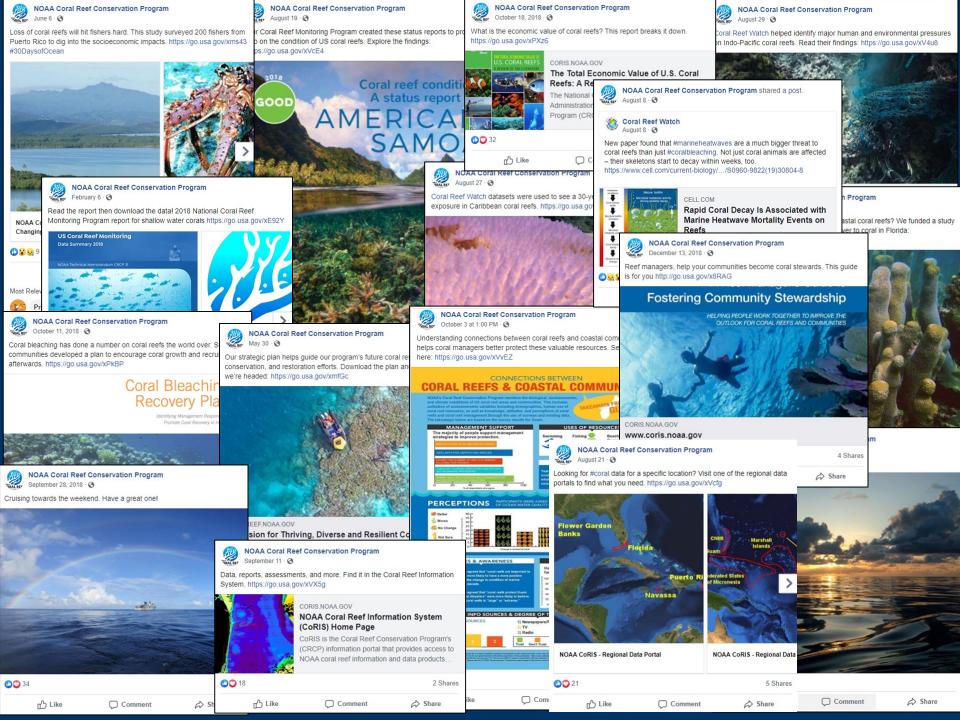
max depth (meters) @

meters completed (meters) @

subregion name @

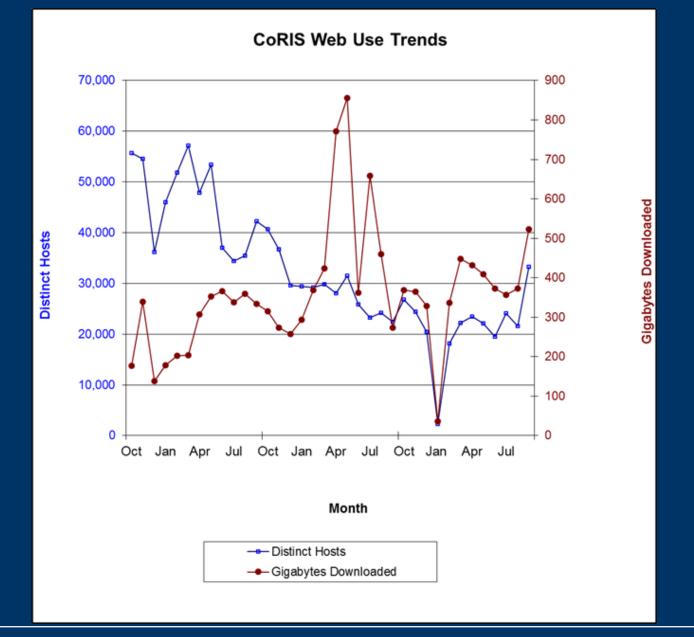
✓ habitat type ✓ strat













Thank You



