

NOAA Coral Reef Conservation Program

Coral Reef Conservation Program (CRCRP),
Coral Reef Information System (CoRIS),
National Centers of Environmental
Information (NCEI), Send2NCEI (S2N):
Welcome to alphabet soup

Brian Beck and Sarah O'Connor

NESDIS | NCEI | CRCRP

University of Maryland - Cooperative Institute for Climate & Satellites

National Oceanic and Atmospheric Administration

MAKE AMERICA's coral data **GREAT AGAIN!!**

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WARNING!

The following presentation applies mainly to federally funded data. Use these data management recommendation at your own risk.



Open Access in the News

“Biden unveiling public database for clinical data on cancer”

Washington Post - June 6, 2016



“Increasing the pool of researchers who can access data and decreasing the time it takes for them to review and find new patterns in that data is critical to speeding up development of lifesaving treatments for patients,”
-Joe Biden

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File format recommendations

archives.gov/records-mgmt/policy/transfer-guidance-tables.html

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Records Managers

Home > Records Management > Policy > Appendix A: Tables of File Formats

Records Management Resources

- E-mail Management
- Records Management FAQs
- Memorandums to Agency Records Officers
- Federal Records Centers (FRC)
- Guidance and Policy for Accessioning
- Electronic Records Management (ERM)
- Toolkit for Managing Electronic Records
- Records Management Handbook
- Records Management Policy and Guidance
- Records Management Initiatives (RMI)
- Records Management Self Assessment (RMSA)
- Records Management Training
- Electronic Records Archives (ERA)
- Electronic Records Guidance
- Basic Laws & Authorities
- Meetings & Activities

NARA 2014-04: Appendix A, Revised Format Guidance for the Transfer of Permanent Electronic Records – Tables of File Formats

Quick Links

1. Computer Aided Design	2. Digital Audio	3. Digital Moving Images
3.1 Digital Cinema	3.2 Digital Video	4. Digital Still Images
4.1 Digital Photographs	4.2 Scanned Text	4.3 Digital Posters
5. Geospatial Formats	6. Presentation Formats	7. Textual Data
8. Structured Data Formats	9. Email	10. Web Records

Symbol Key

Preferred Formats 

Acceptable Formats 

Acceptable for Imminent Transfer Formats 

1. Computer Aided Design (CAD)

www.digitalpreservation.gov/formats/fdd/descriptions.shtml

Sustainability of Digital Formats

Planning for Library of Congress Collections

Introduction | Sustainability Factors | Content Categories | Format Descriptions | Contact

Format Descriptions >> Format Description Categories >> [Browse Alphabetical List](#) >> [Format Descriptions as XML](#)

Format Descriptions

Still Image <ul style="list-style-type: none">• SVG_1_1• TIFF_6• All still image format descriptions	Sound <ul style="list-style-type: none">• WAVE• MP3_FF• All sound format descriptions	Moving Image <ul style="list-style-type: none">• MPEG-4_FF_2• AVI• All moving image format descriptions
Textual <ul style="list-style-type: none">• PDF/A• DOCX/OOXML_2012• All text format descriptions	Web Archive <ul style="list-style-type: none">• ARC_IA• WARC• All Web archive format descriptions	Datasets <ul style="list-style-type: none">• DBF• HDF5• All dataset format descriptions
Geospatial <ul style="list-style-type: none">• ESRI_shape• GeoPDF_2_2• All geospatial format descriptions	Generic <ul style="list-style-type: none">• ASF• RIFF• All generic format descriptions	

About the format descriptions

The digital content format descriptions accessible here provide specific information about individual formats and their characteristics. Each description provides inclusion are a wide variety of formats: file formats, file-format classes, bitstream structures and encodings, and the mechanisms used to compress files or bitstr the format is preferred or acceptable for Library of Congress collections. Although presented here in HTML format, the descriptions are created in XML, and info [here](#).

Descriptions are drafted and added to the site individually rather than on a scheduled basis. The compilers encourage persons with specialized knowledge to refer [form to provide comments](#).

These descriptions will not only serve as a resource for selection and acquisition at the Library but will also support the preservation of digital content as a resource element of the [Open Archival Information System](#) (OAIS) reference model.

National Archives

Library of Congress

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 four main pillars of work:

- **Climate Change**
- **Land Based Sources of Pollution (LBSP)**
- **Fishing Impacts**
- **Coral Restoration**

NOAA Coral Reef Conservation Program

Where CRCP Works (primarily)



NOAA Coral Reef Conservation Program

CRCP Matrix Organization



Starting at the top

- Public Access to Research Results
 - White House Feb 2013
 - NOAA response to PARR
- NOAA's Environmental Data Management Committee (EDMC)
 - Procedural Directives to directly respond to PARR



Public Access to Results of Federally Funded Research at the U.S. Geological Survey



National Institutes of Health Plan for Increasing Access to Scientific Publications and Digital Scientific Data from NIH Funded Scientific Research

February 2015

Increasing Access to the Results of Research Funded by the National Science Foundation

National Science Foundation

March 18, 2015



Home » U.S. Department of Energy Increases Access to Results of DOE-funded Scientific Research

U.S. Department of Energy Increases Access to Results of DOE-funded Scientific Research

August 4, 2014 - 10:49am

Public Access to Results of FDA-Funded Scientific Research

f SHARE | t TWEET | in LINKEDIN | p PIN IT | e EMAIL | p PRINT



What Does NOAA Require:

- Data Access Requirements
 - Publicly available 1-year after collection
 - Archived
- Data Documentation Requirements (metadata)
 - ISO 19115
- Data Management Plan
- Publication Requirements
 - New rules for public accessibility of scholarly publications



What Does CRCP Require:

- Compliance with NOAA policies
 - Making a lot of asks here but the majority trace back to requirements external to the Coral Program
- Attribution/Credit
 - Identify CRCP as a partner, funder, originator, etc. in all data and publications



What this all means

- Data must be archived in a timely manner
 - Metadata should be written for all datasets.
 - Archive packages should be accompanied with supporting documentation where relevant.
 - Custom preview graphics may be included
- DOIs may be issued for datasets
 - Thought is by data type by jurisdiction (or region)



Links

- [CoRIS](https://www.coris.noaa.gov) [<https://www.coris.noaa.gov>]
- [project explorer](https://www.coris.noaa.gov/proj_exp) [https://www.coris.noaa.gov/proj_exp]
- [Send2NCEI](https://www.nodc.noaa.gov/s2n/) [<https://www.nodc.noaa.gov/s2n/>]



Questions

