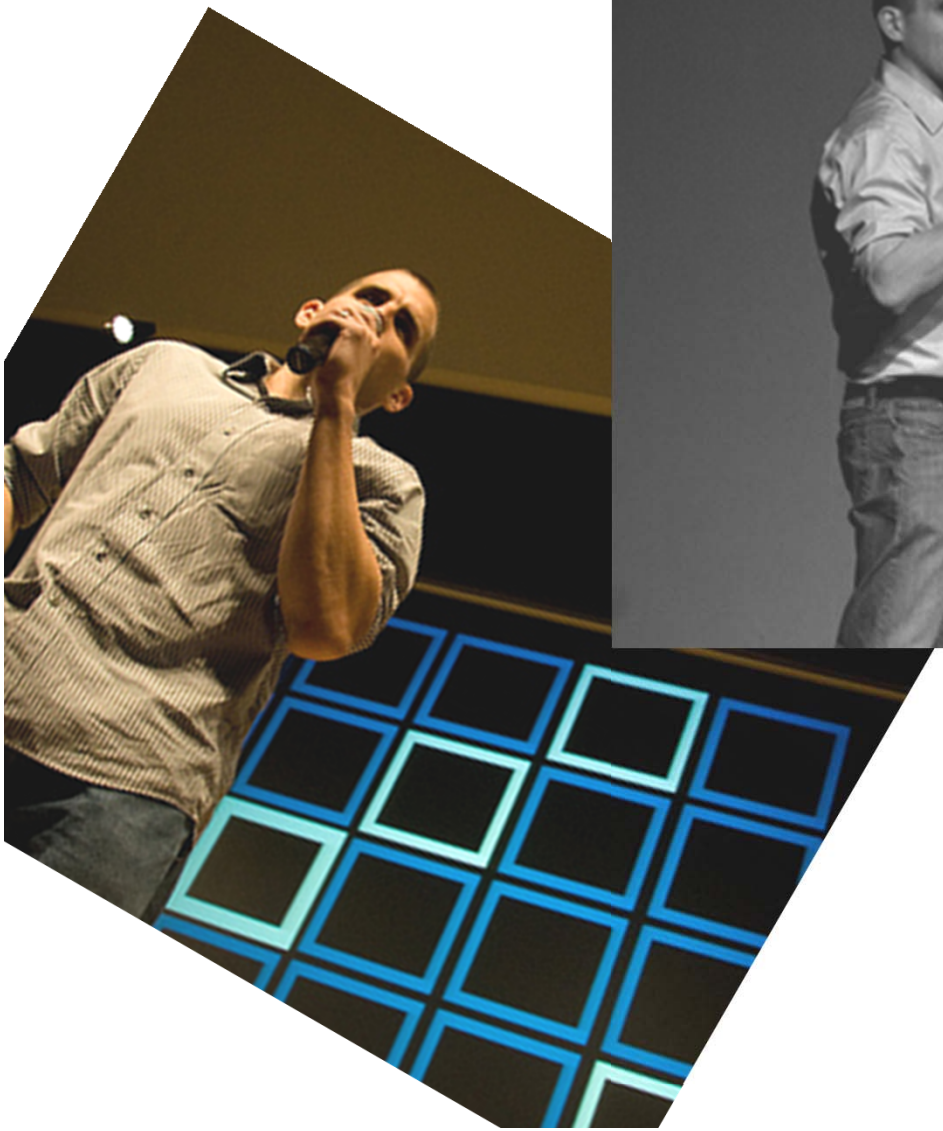
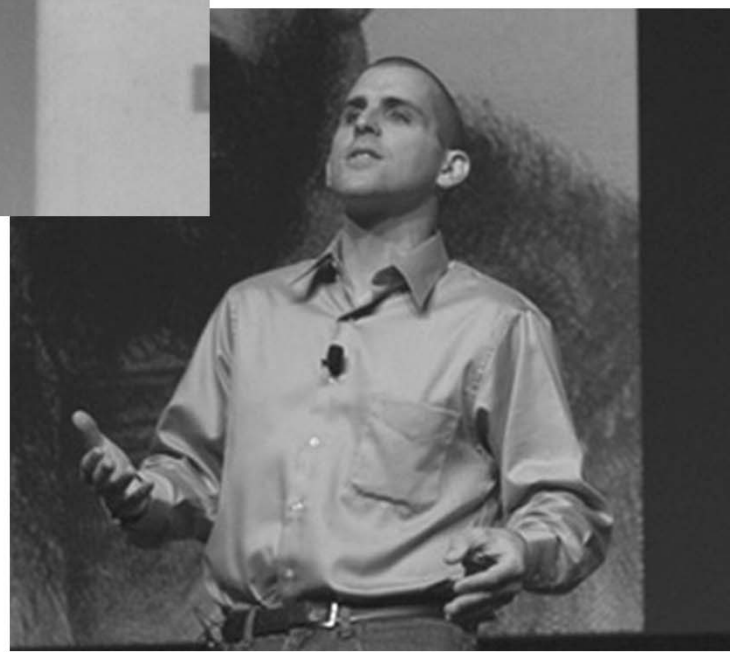
Pier
↕
Preservation

Steve Rutz
Oceanographer @ National Oceanographic Data Center
Steven.Rutz@noaa.gov | 301-713-3272x110
presented @ NOAA EDMC – June 27, 2013

Scott Berkun in *How to Give a Great Ignite Talk*





What do I Love?

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NOAA R2R (Rolling Deck to Repository) Kick-off Meeting

When: July 7-8, 2010

Where: NOAA Building SSMC3, Room 4527, 1315 East West Highway, Silver Spring, MD 20910

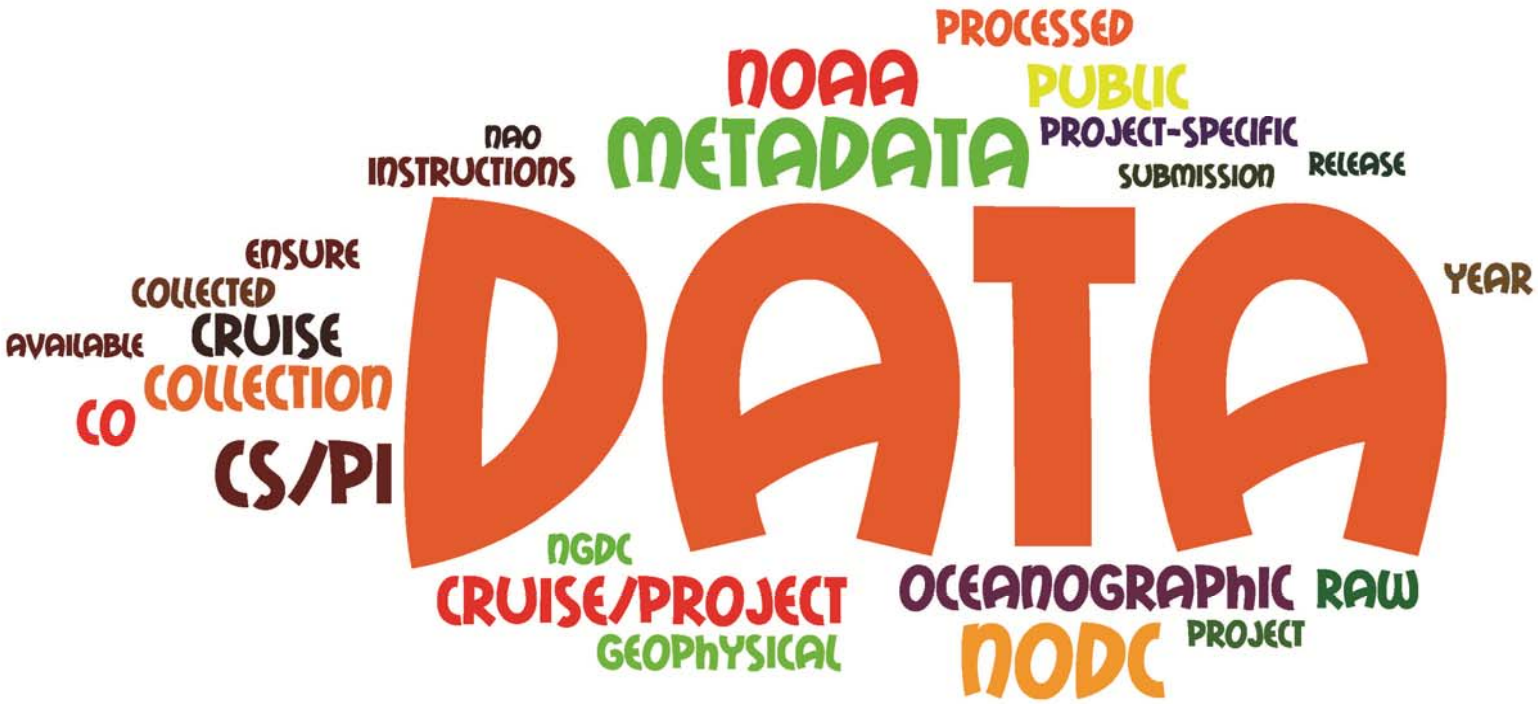
NOAA Shipboard Oceanographic & Geophysical Data Stewardship Procedures

Roles & Responsibilities described in these OMAO procedures:

Chief Scientist/Principal Investigator – Draft Cruise/Project Instructions, Collect Data, Define Metadata, and Submit Processed Data

Commanding Officer/Master – Submit Raw Data to NODC/NGDC and Data Disposition

NODC/NGDC Data Manager – Archive and Publish Data


PROCESSED
NOAA
PUBLIC
NAO
METADATA
PROJECT-SPECIFIC
INSTRUCTIONS
SUBMISSION
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CRUISE
DATA
COLLECTION
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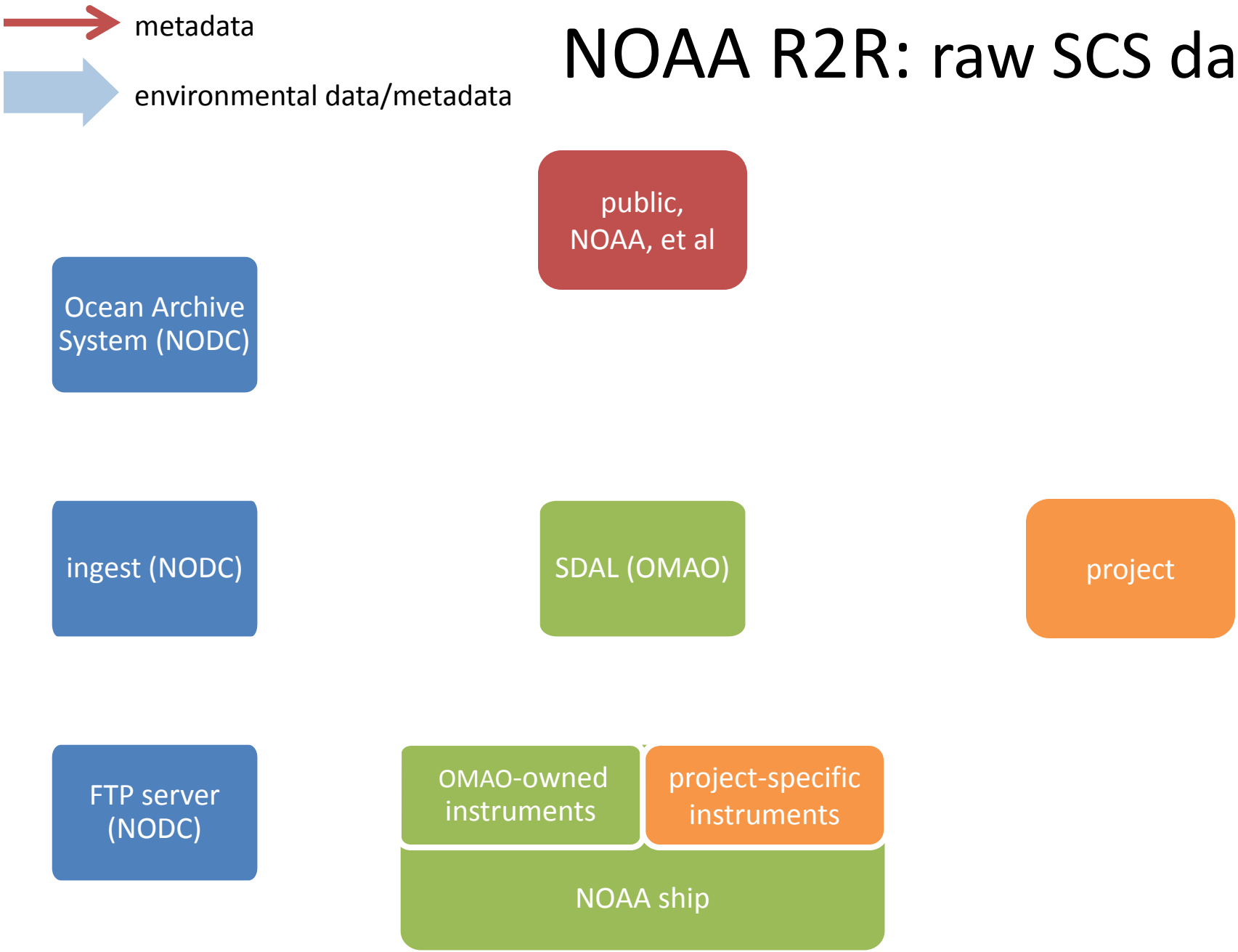
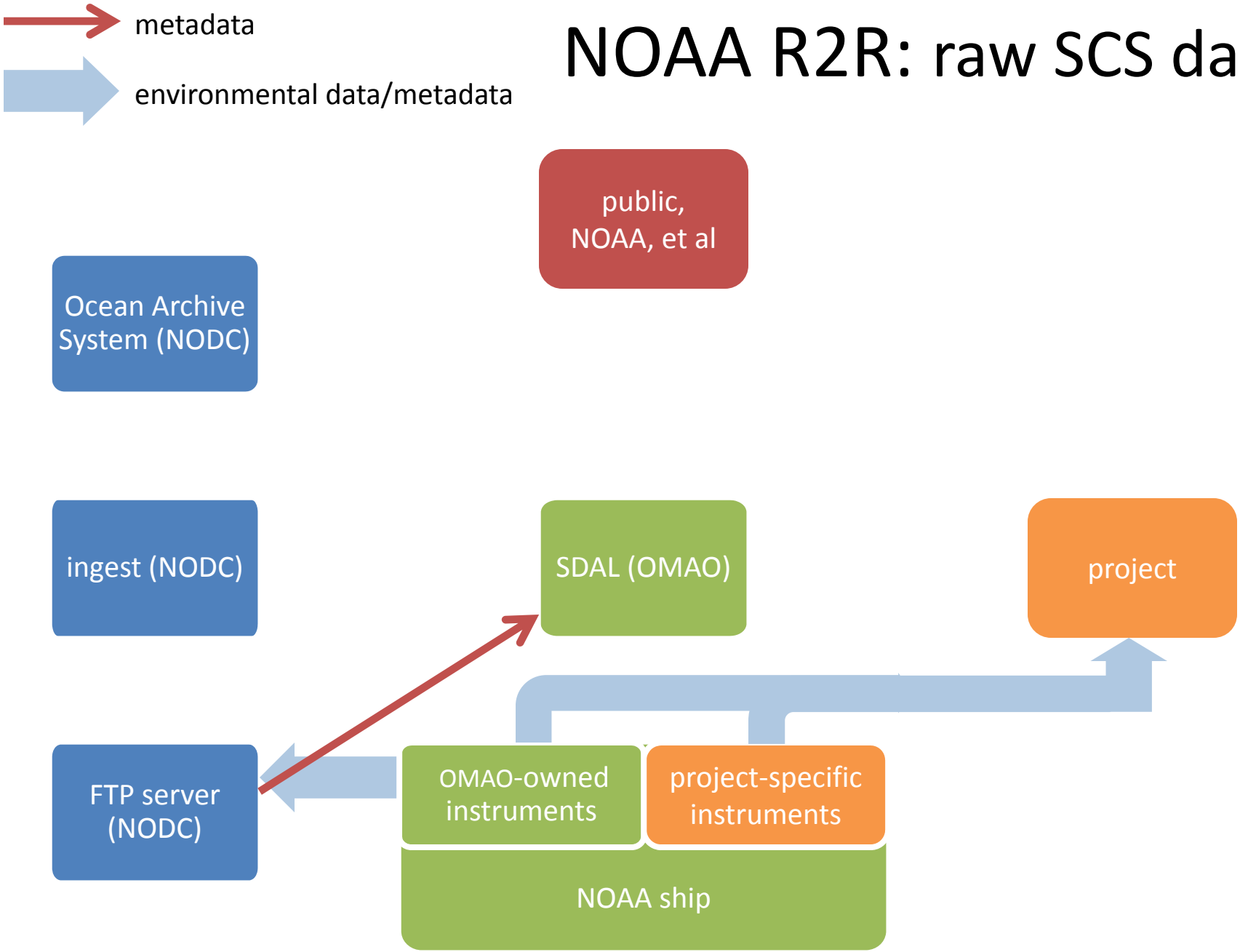
CS/PI
NGDC
CRUISE/PROJECT
OCEANOGRAPHIC
RAW
GEOPHYSICAL
NODC
PROJECT

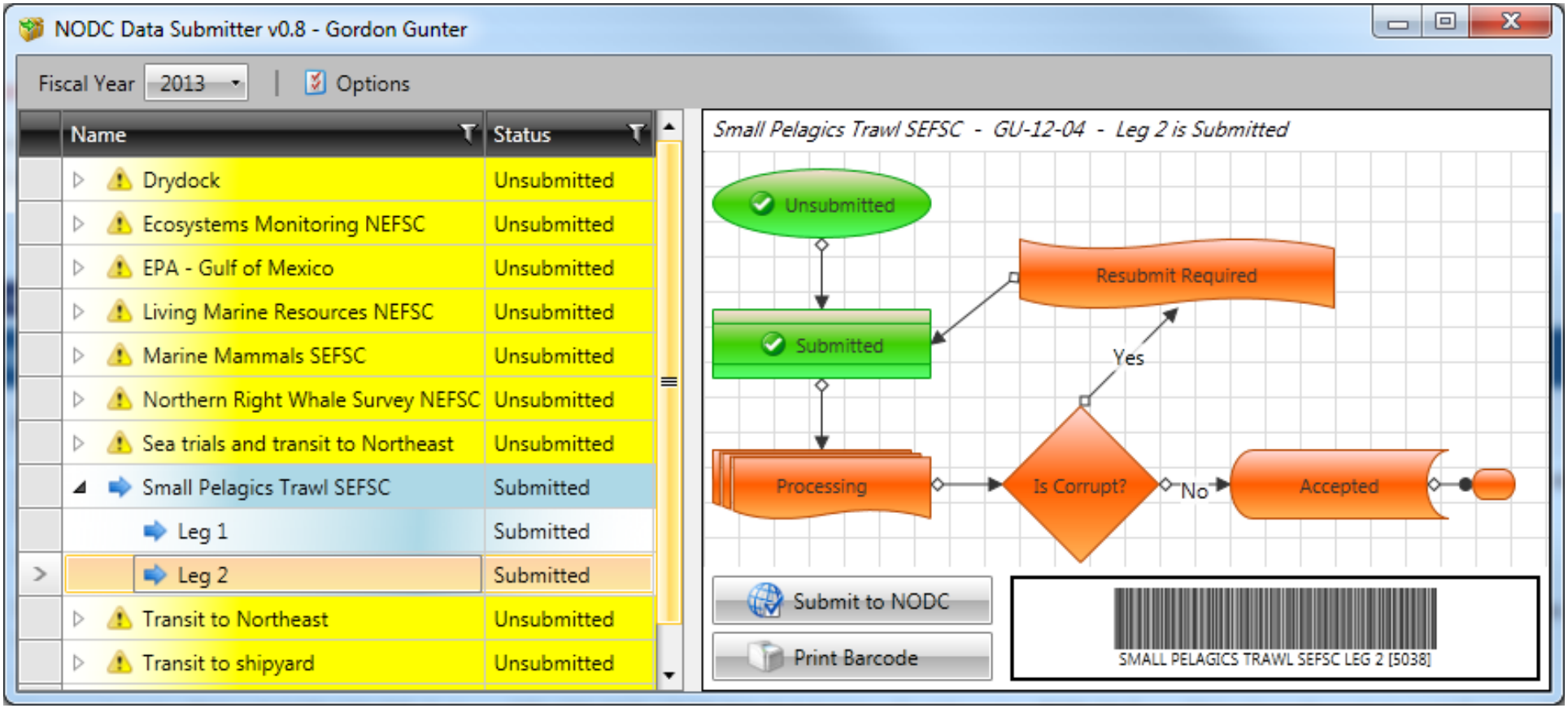
NOAA R2R: raw SCS data



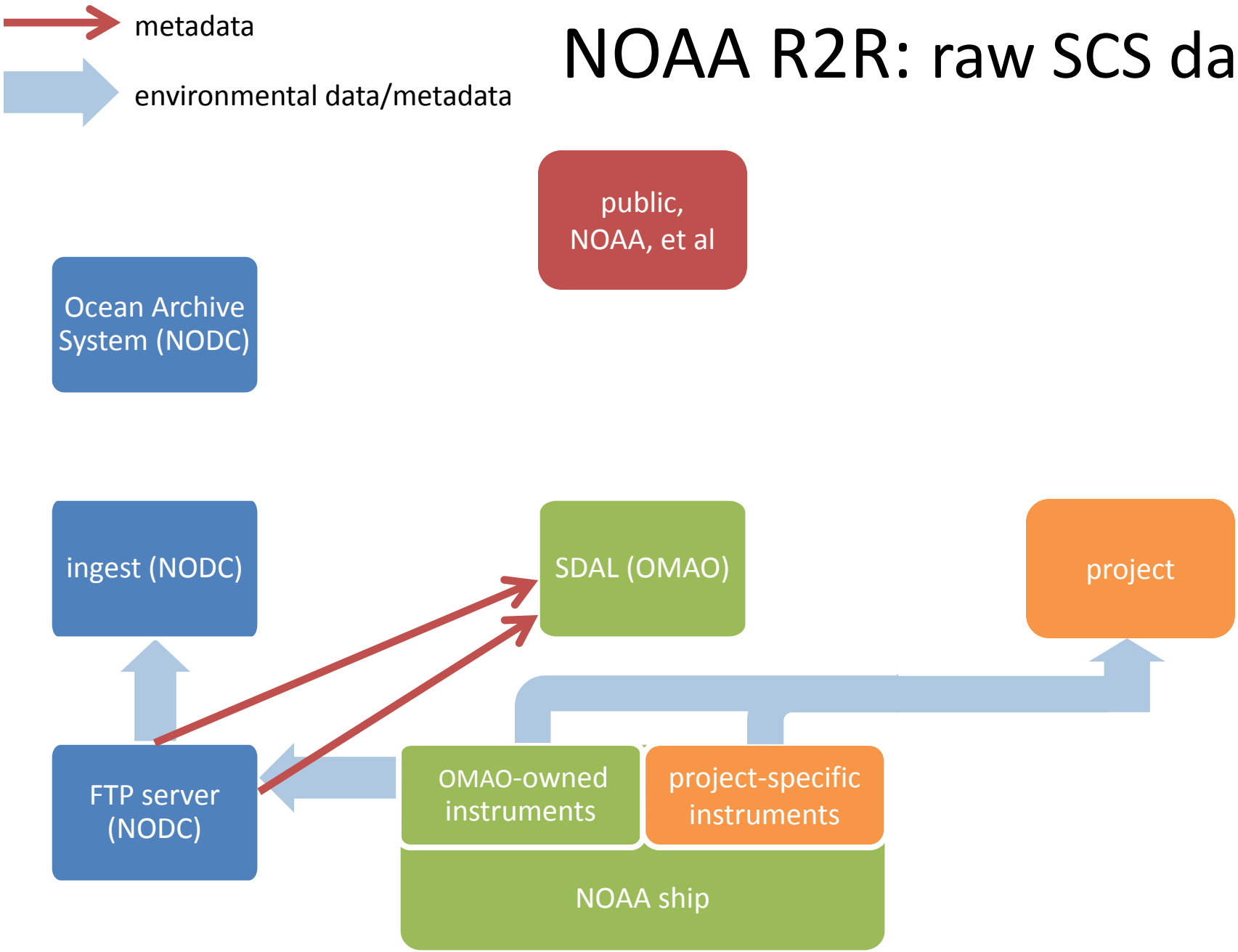
NOAA R2R: raw SCS data



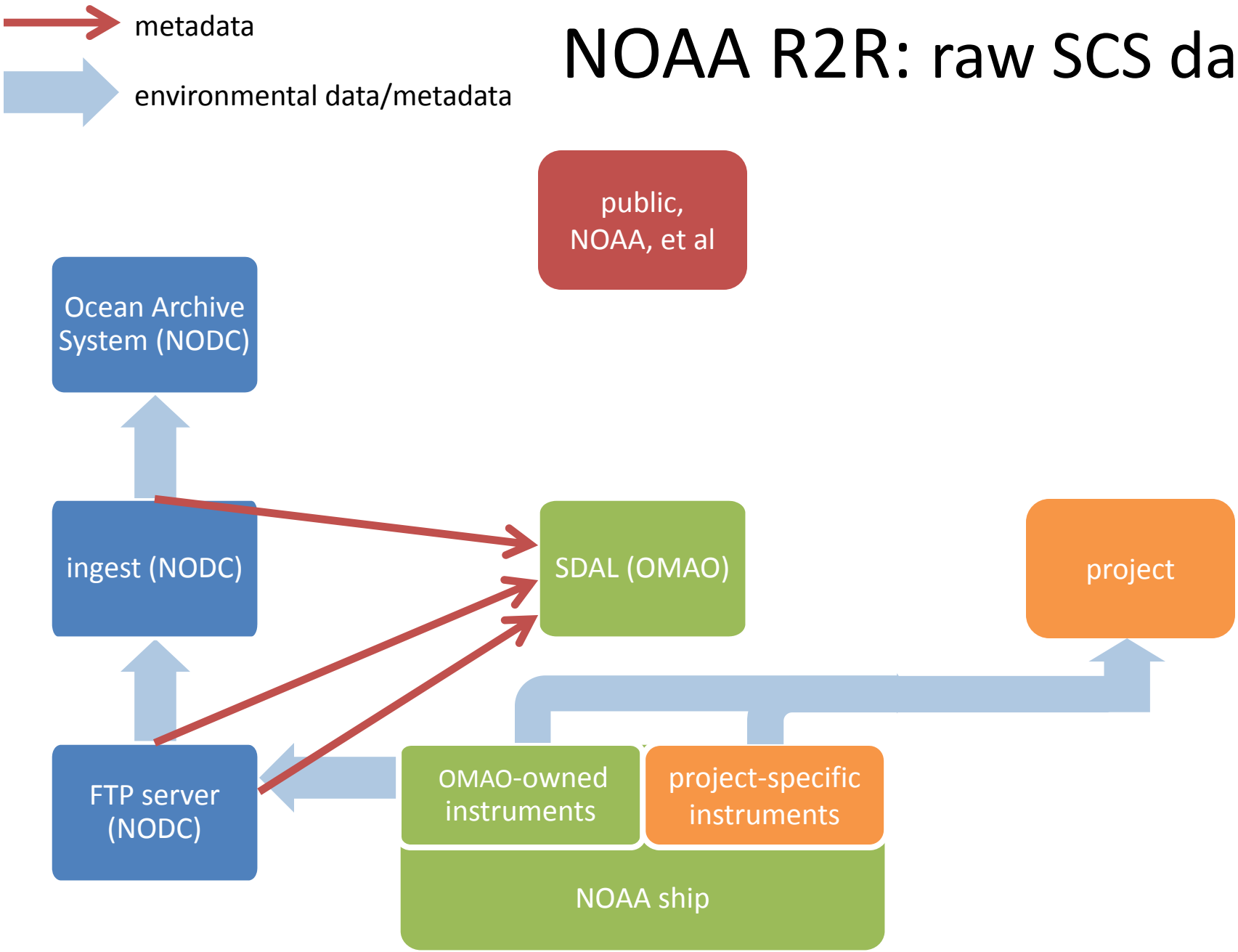
Scientific Computer System's NODC Submission Application



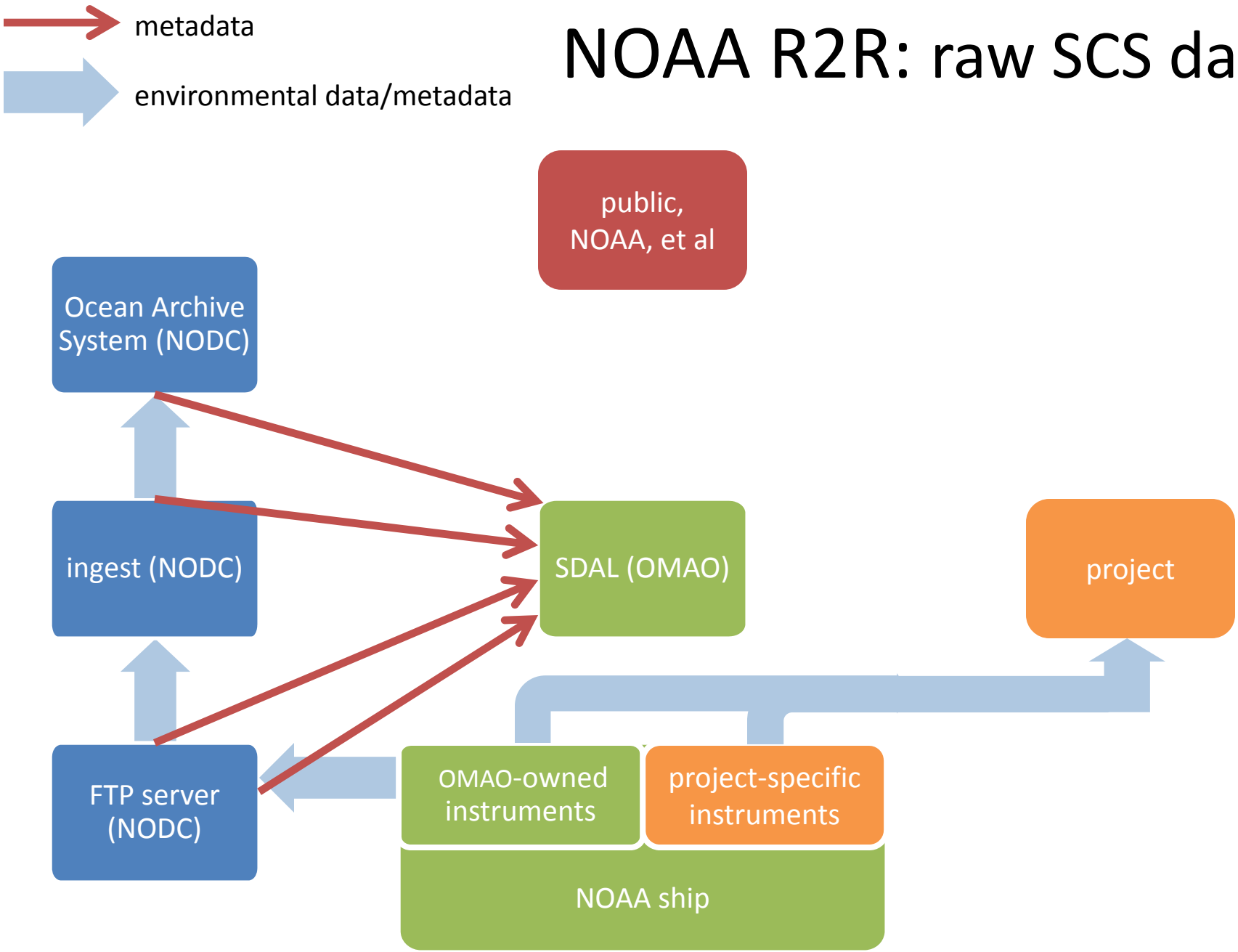
NOAA R2R: raw SCS data



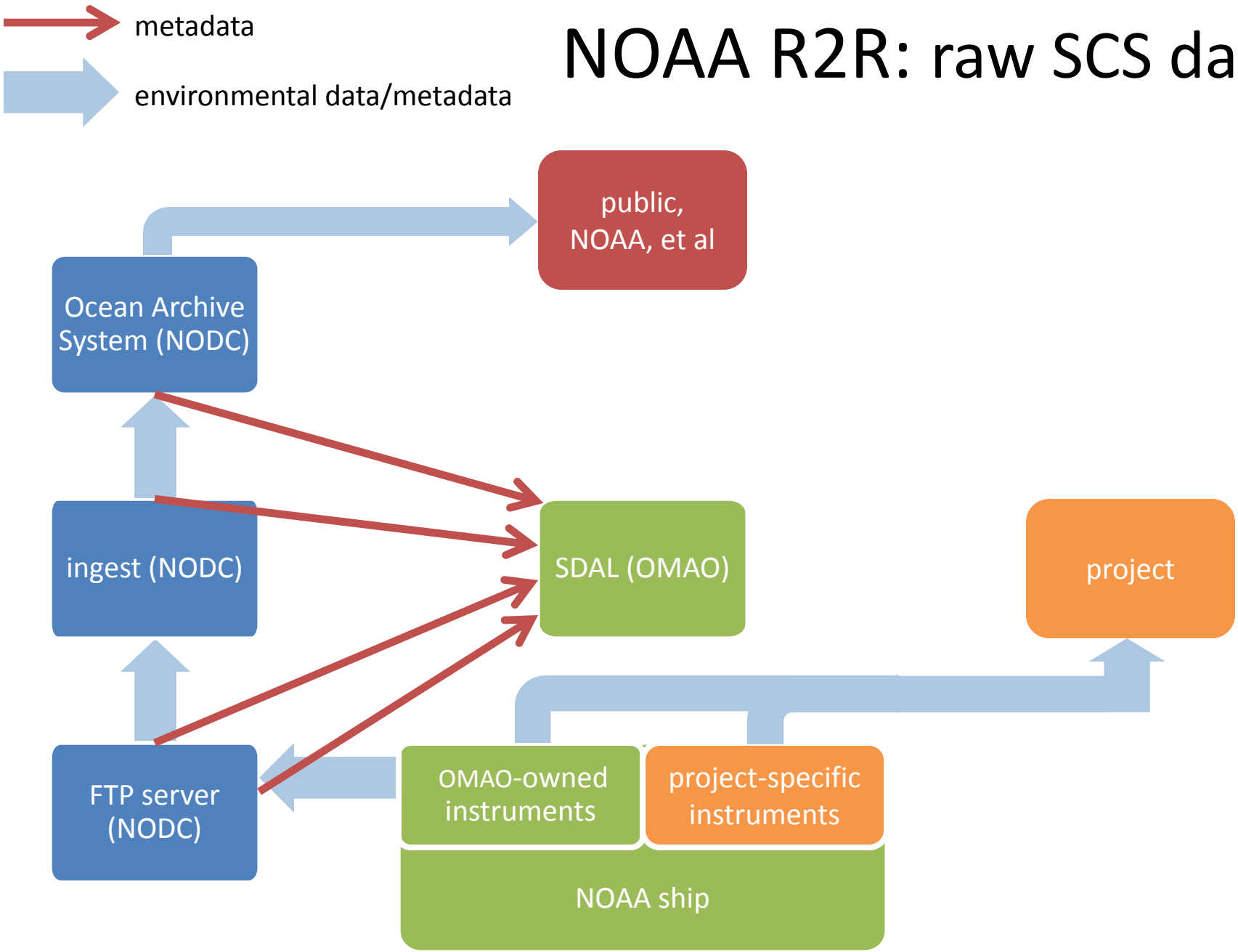
NOAA R2R: raw SCS data



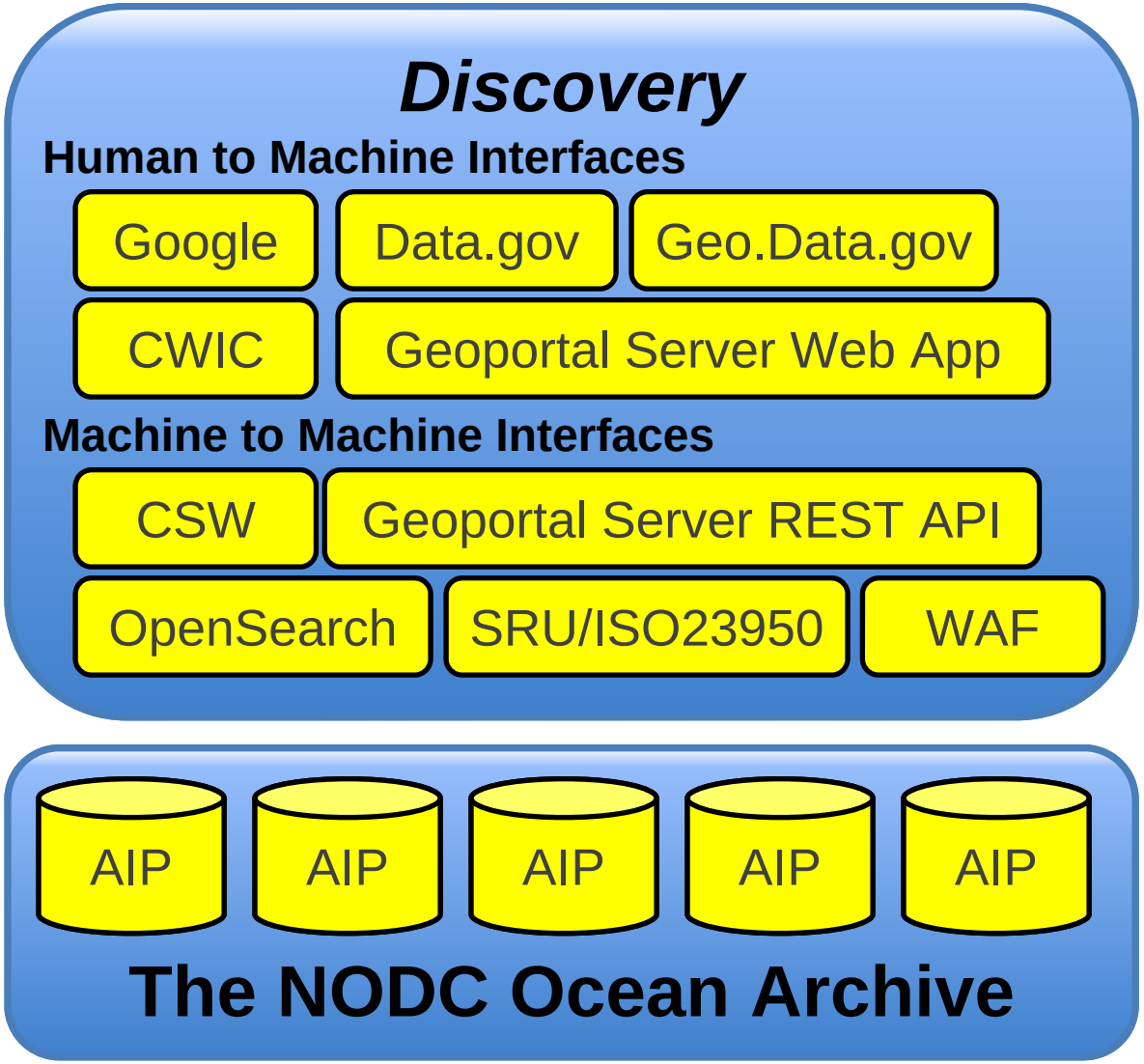
NOAA R2R: raw SCS data



NOAA R2R: raw SCS data



Discoverability



Discovery is enabled through numerous interfaces designed for both humans and their machine clients.

Human-to-machine interfaces include government-mandated generalized portals like Data.gov and international portals from CEOS, GEOSS, WMO, etc.

Discovery services are available for ALL of the NODC Archive Information Packages (AIP), but better metadata supports better discovery!

NODC Geoportal 1.2.2 - Mozilla Firefox

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data.nodc.noaa.gov/geoportal/catalog/search/search.page

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NOAA NATIONAL OCEANOGRAPHIC DATA CENTER (NODC)
UNITED STATES DEPARTMENT OF COMMERCE

NODC HOME | SEARCH THE NODC ARCHIVE | BROWSE | SEARCH TIPS

Search the NODC Archive

Search metadata content, e.g. title:SST; use + to require keywords, e.g. +water +temperature;
use "" to search for an exact phrase, e.g."water temperature"
(Search tips!)

+title:PISCES +title:2013-* Search Clear All

Additional Options
Clear

WHEN

Dates overlap range Dates within range

From: ... (yyyymmdd)
To: ... (yyyymmdd)

WHERE
Zoom the map to desired area and choose "intersecting" or "fully within"
You can zoom the map by shift-click-dragging a bounding box

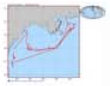
Anywhere Intersecting Fully within

Results 1-4 of 4 record(s)

Expand results Zoom To Results Zoom To Searched Area

SAMOS project underway oceanographic and quality-controlled meteorological data collected aboard the PISCES from 2013-04-05 to 2013-04-30 (NODC Accession 0108141)

The data logging system on the PISCES recorded underway oceanographic and meteorological data from various instruments while cruising in the Gulf of Mexico from 2013-04-05 to 2013-04-30. During this period, as part of the Shipboard Automated Meteorologica...



Website Details Metadata Download TDS OPeNDAP FTP Zoom To

SAMOS project underway oceanographic and quality-controlled meteorological data collected aboard the PISCES from 2013-03-01 to 2013-03-04 (NODC Accession 0106134)

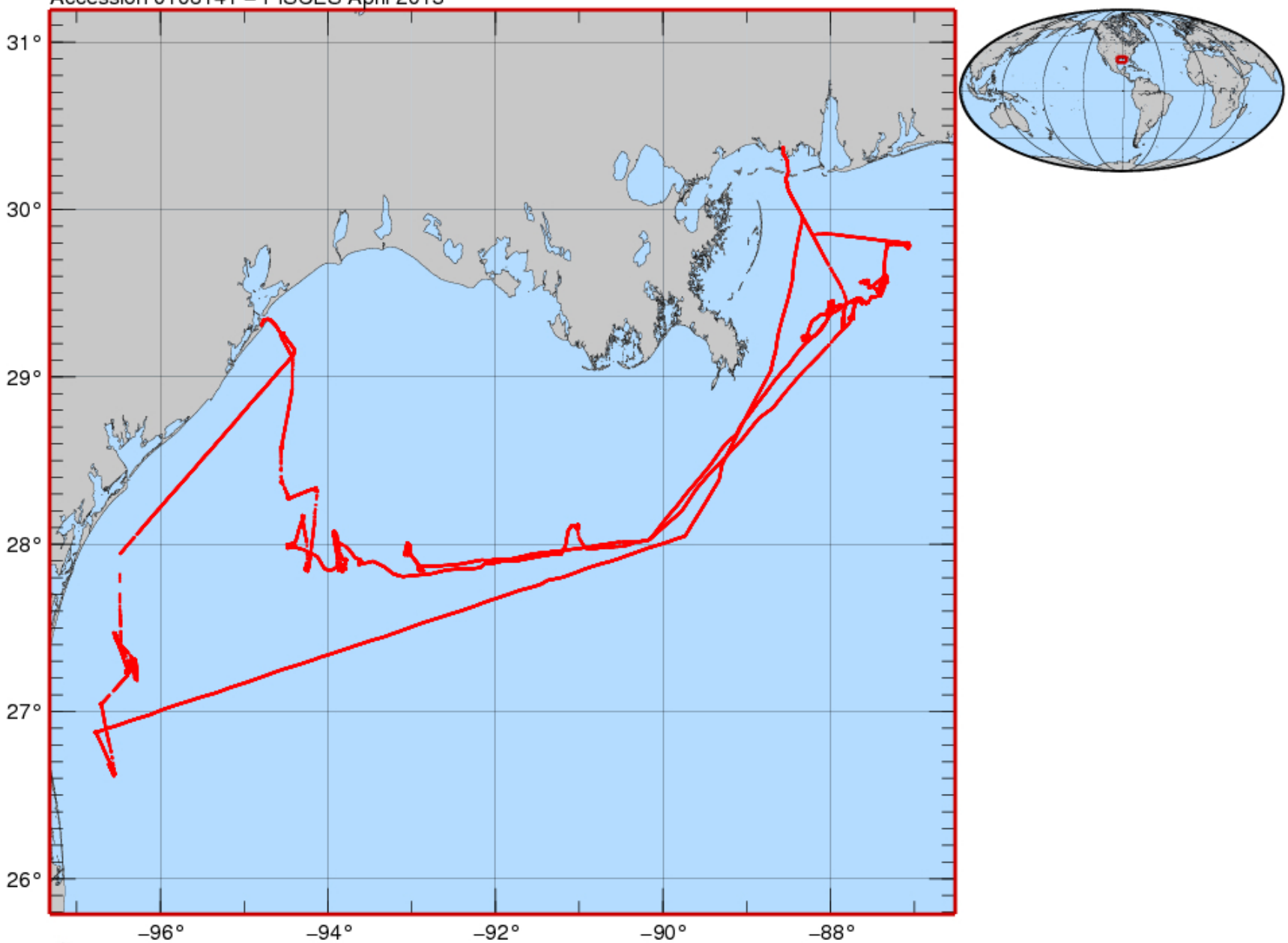
SAMOS project underway oceanographic and quality-controlled meteorological data collected aboard the PISCES from 2013-02-11 to 2013-02-28 (NODC Accession 0104403)

SAMOS project underway oceanographic and quality-controlled meteorological data collected aboard the PISCES from 2013-01-25 to 2013-01-25 (NODC Accession 0104054)

See results through REST API: GEORSS ATOM HTML FRAGMENT KML JSON CSV

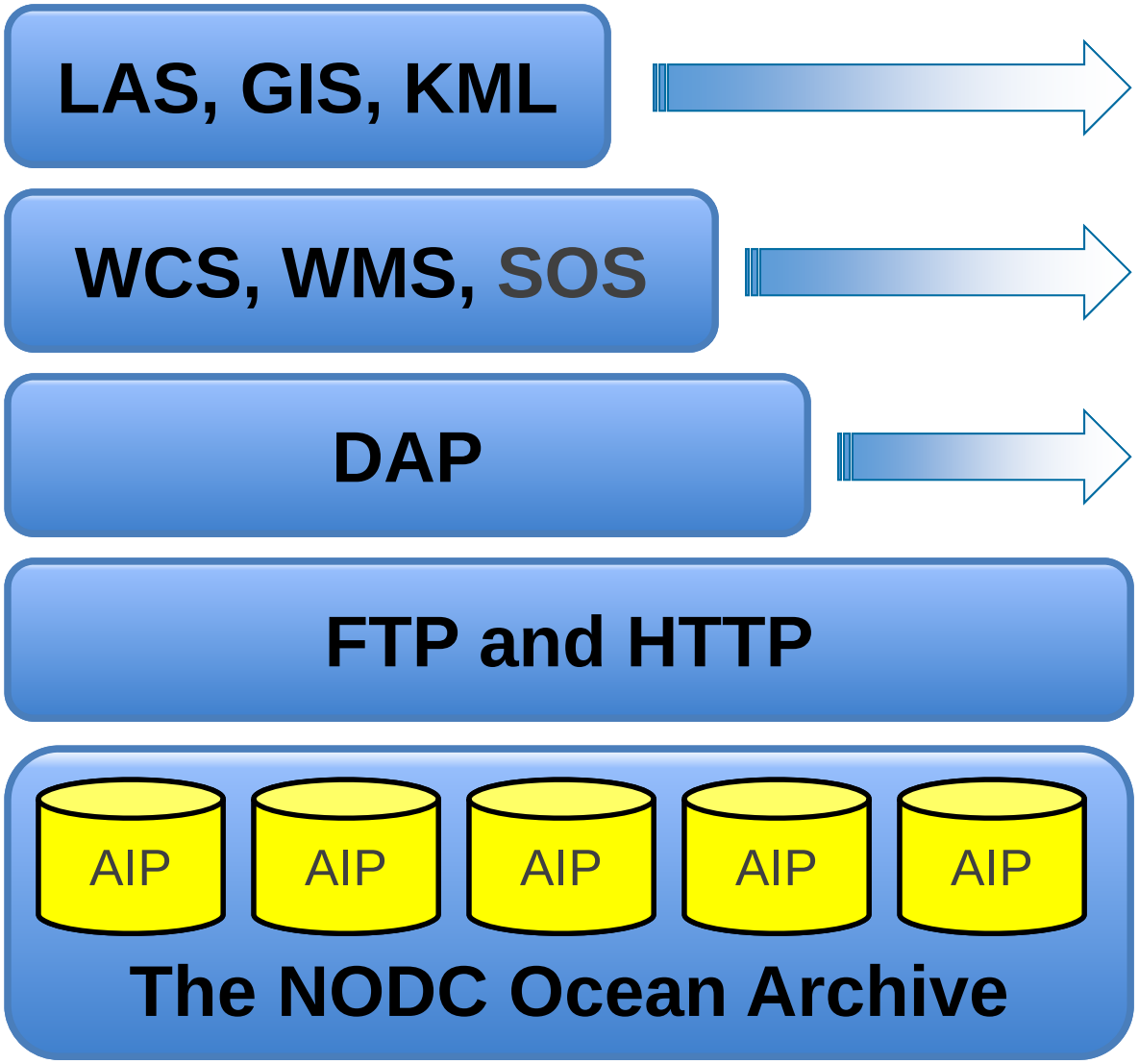
data.nodc.noaa.gov/geoportal/catalog/search/search.page#

Accession 0108141 – PISCES April 2013



NOAA National Oceanographic Data Center

Accessibility- Here and Now



Enhanced online access, visualization, and analysis tools: These capabilities require more structured metadata and standardized file formats, so are available to the fewest archive holdings.

Distributed Access Protocol (DAP): Requires standard file formats so is available to fewer archive holdings.

Basic FTP/HTTP access for all Archival Information Packages (AIP) in the NODC Ocean Archive: These distribution methods have no format or metadata requirements so they work for all archive holdings, but they provide only basic download capability.

Air and sea temperature observed April 6, 2013 aboard NOAA Ship PISCES - Mozilla Firefox

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https://docs.google.com/a/noaa.gov/spreadsheet/ccc?key=0AsEx0PwLHT3hdGRrbHJoTWVMT3Y5ZzVnMXpPa0M4M0E#gid=0

steven.rutz@noaa.gov

Air and sea temperature observed April 6, 2013 aboard NOAA Ship PISCES

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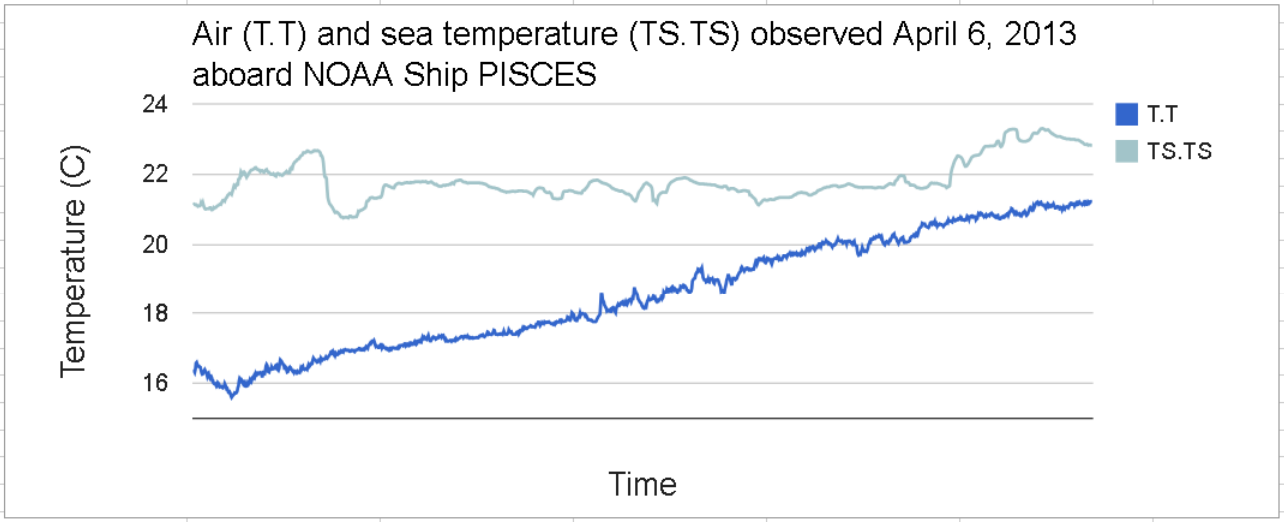
Arial 10

=transpose(ImportData("http://data.nodc.noaa.gov/opendap/coaps/samos/WTDL/2013/04/WTDL_20130406v30001.nc.ascii?T[0:1:1439],TS[0:1:1439]"))

	A	B	C	D	E
1	Dataset: WTDL_20130406	T.time	T.T	TS.time	TS.TS
2		17494560	16.35	17494560	21.12
3		17494561	16.36	17494561	21.14
4		17494562	16.32	17494562	21.13
5		17494563	16.4	17494563	21.12
6		17494564	16.58	17494564	21.13
7		17494565	16.6	17494565	21.12
8		17494566	16.54	17494566	21.1
9		17494567	16.49	17494567	21.08
10		17494568	16.48	17494568	21.09
11		17494569	16.49	17494569	21.09
12		17494570	16.47	17494570	21.09
13		17494571	16.46	17494571	21.11
14		17494572	16.38	17494572	21.18
15		17494573	16.3	17494573	21.14
16		17494574	16.26	17494574	21.13
17		17494575	16.27	17494575	21.18
18		17494576	16.31	17494576	21.11
19		17494577	16.36	17494577	21.06
20		17494578	16.39	17494578	21.02
21		17494579	16.35	17494579	21
22		17494580	16.32	17494580	21
23		17494581	16.28	17494581	21.01
24		17494582	16.21	17494582	21.01
25		17494583	16.27	17494583	21.01
26		17494584	16.29	17494584	21.01
27		17494585	16.2	17494585	21.02
28		17494586	16.16	17494586	21.04
29		17494587	16.2	17494587	21.04
30		17494588	16.21	17494588	21.01
31		17494589	16.17	17494589	20.98
32		17494590	16.08	17494590	20.98
33		17494591	16.08	17494591	21
34		17494592	16.01	17494592	21.04
35		17494593	15.99	17494593	21.02



Sheet1

Thank you!

Matt Biddle
Chris Paver
John Relph
John Katebini
Mark Blankenship
Ken Casey
et al