



NOAA EDM

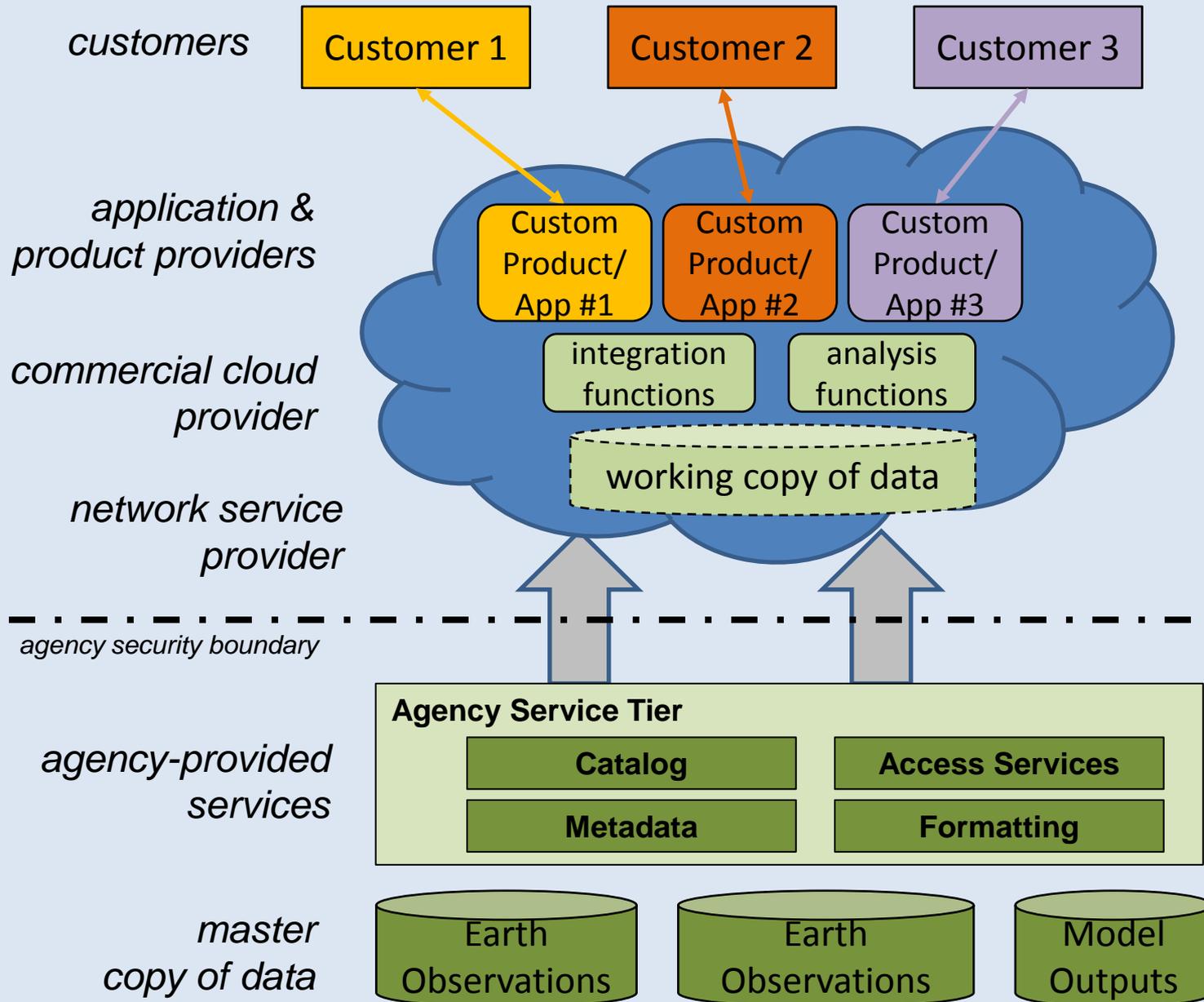
NOAA Update

Unidata Strategic Advisory Committee

2015-04-22

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NOAA Big Data Partnership announced April 21



BDP Data Alliances

<https://data-alliance.noaa.gov/>



NOAA NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
UNITED STATES DEPARTMENT OF COMMERCE



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NOAA Big Data Project

The Big Data Project is an innovative approach to publishing NOAA's vast data resources and positioning them near cost-efficient high performance computing, analytic, and storage services provided by the private sector. This collaboration combines three powerful resources - NOAA's tremendous volume of high quality environmental data and advanced data products, private industry's vast infrastructure and technical capacity, and the American economy's innovation and energy - to create a sustainable, market-driven ecosystem that lowers the cost barrier to data publication. This project will create a new economic space for growth and job creation while providing the public far greater access to the data created with its tax dollars.

How To Participate

For companies, organizations, and individuals interested in joining with NOAA's Big Data Project, a set of Data Alliances are being formed. Each Data Alliance is anchored by a participating Infrastructure as a Service (IaaS) institution, and represents a market ecosystem consisting of larger companies that represent various economic sectors, such as the weather or insurance industries, specialized small business, value-added resellers, entrepreneurs, researchers and non-profits, etc. The Data Alliance structure allows market forces to act on the identification, extraction, and development of NOAA public data resources, and provides a mechanism for interested parties to work together to develop new business and research opportunities. The organizations comprising the ecosystem built around a particular anchor IaaS provider are free to participate in multiple Data Alliances.

For more information, visit one of the NOAA Big Data Collaborators:



Google Cloud Platform



The Big Data Project's press release, issued by the Department of Commerce, can be found at <http://www.commerce.gov/news/press-releases/2015/04/us-secretary-commerc...>

Big Earth Data Initiative (BEDI)

- Inter-agency activity coordinated through US Group on Earth Observations (USGEO) Data Management Working Group
 - NOAA: \$2M FY2015 funding request; **\$750k received**
- Goal: Improve **discoverability, accessibility, & usability of data**
- Focus on "**high value**" datasets, e.g. from:
 - OSTP Earth Observations Assessment
 - Climate Resilience Toolkit
 - NOAA Observing Systems of Record
- **NOAA call for Mini-Proposals issued**
 - To determine how to allocate funding internally
- **Earth Observations Common Framework** under development
 - Recommended approaches for data discovery, access, metadata, format
 - **DAP/NetCDF/CF/ACDD** are specifically recommended

Data Center Reorganization

NCDC

NGDC

NODC



National Centers for
Environmental Information
(NCEI)

- Common management and support services
- Seeking greater efficiencies
- No reduction in service to customers

NOAA PARR Plan Approved

(per OSTP Public Access to Research Results Memorandum)

- <http://doi.org/10.7289/V5F47M2H>
- States NOAA will **continue existing EDM efforts** to ensure data are accessible, usable, and archived.
- Assigns responsibility to **NOAA Programs and PMs** to properly manage data they produce.
- Requires **grant programs** to include summary DM Plan in announcements for data likely to result from grant.
 - Consider whether to archive at NOAA National Data Center
- Requires **grantees** to include project DM Plan in proposals.
- Requires **submission of final manuscripts** to NOAA Central Library.
 - Visible after 1 year embargo
- All provisions take effect by **2016 Jan 1**

New/Revised Policy Directives

<https://www.nosc.noaa.gov/EDMC/PD.all.php>

Data Management Planning

Describe how you will preserve, document and distribute your data.

(2011; revised 2014-12)

Data Access

Make data accessible, preferably via on-line services. Recommend specific service and formats for particular classes of data.

(new 2015-02)

Data Citation

Assign persistent identifiers to datasets and encourage citation.

(pending 2015-05)

Data Sharing by Grantees

Grantees write data sharing plan, and share data within 2 years.

(2012; to be revised 2015 per PARR)

Data Documentation

How to apply ISO 19115 metadata for discovery, use & understanding.

(2011; no change)

Archive Approval

Data Center process for approving archive requests.

(2008) Reviewed 2014; no change

NOAA Data Catalog

DATA CATALOG (UNDER DEVELOPMENT)

data.noaa.gov

Home / Datasets

Organizations ?

NOTE: This NOAA Data Catalog is a prototype under active development. Availability and completeness are not guaranteed.

Filter by location Clear



Map data CC-BY-SA by [OpenStreetMap](#)
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Dataset Type Clear All

geospatial (60436)

Show More Dataset Type

Tags Clear All

earth science (24428)

oceans (23830)

oceanography (23512)

60,437 datasets found

Order by: Popular

CRED Integrated Benthic Habitat Map for Tutuila Island, American Samoa Year 2007

National Oceanic and Atmospheric Administration — This is an integrated benthic habitat map system which consists of a number of separate map layers including multibeam bathymetry, digital NOAA nautical charts,...

[HTML](#) [HTML](#)

H06150: NOS Hydrographic Survey, , 1936-12-31

National Oceanic and Atmospheric Administration — The National Oceanic and Atmospheric Administration (NOAA) has the statutory mandate to collect hydrographic data in support...

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H07693: NOS Hydrographic Survey, , 1949-12-31

National Oceanic and Atmospheric Administration — The National Oceanic and Atmospheric Administration (NOAA) has the statutory mandate to collect hydrographic data in support...

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GRED Subsurface Temperature Recorder (STR): NWHI FES: Long:

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NOAA DOIs Assigned (*data & pubs*)

of DOIs

