



A Status Update on NOAA's Big Data Project

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Why is NOAA so interested in Partnerships for Open Data?

- NOAA's data are increasingly popular and valuable.
- NOAA struggles to keep up with public demand
 - Budgets for capacity and security aren't keeping pace with rapidly increasing data access costs.
- NOAA wants to learn about collaborative solutions
 - Promote use, democratize data access
 - Utilize new technologies
 - Enable new economic opportunities for partners.



BDP Data Access Strategy

Leveraging Industrial Partners

Augment



Add Capabilities

Amplify



Add Capacity

The Big Data Project

"Portals versus Platforms"

Keys

- Bring users to the data
 Not "just" about access
- CRADAs research activity (2015)
- NOAA's open data freely available
- NOAA's subject matter expertise
- Industry's infrastructure expertise
- Level playing field
 - No privileged access
- Democratization of NOAA data
 New opportunities for business



Leverage the value of NOAA's data to increase their utilization

NOAA Data Expertise

CRADA Collaborators

Infrastructure Expertise



End User

Wider Consumer Community

Third Party Partner

Value-Added Services

Big Data Project Data Access Strategy

- NOAA Basic Access Limited capacity
 - Stewardship and service
 - Data Integrity and Authenticity
- Industrial Partners Augment and Amplify
 - Capabilities, Technologies, Capacities
 - Scales to meet demand
 - Market pays for what it needs









Big Data Project Ocean Data Challenges...

- Ocean Data haven't "moved" well yet
- Need different model for ocean data?
- Different approach: collaborative platforms?
- Identify a single problem of common concern
- Bring a BDP Collaborator, Industry, Government, Academia together within that platform to share data, code, expertise to solve that problem

Discussion

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#NOAABigData

http://www.noaa.gov/big-data-project