

Panel Discussion

Moderated by Dr. Edward J. Kearns National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information

AMS Washington Forum 3:00 PM-4:30 PM: Wednesday, 13 April 2016

Our Distinguished Panelists

- · Laura Furgione, NOAA/NWS
- · Mary Glackin, The Weather Company, an IBM **Business**
- Berrien Moore, The University of Oklahoma ٠
- · Barry Lee Myers, AccuWeather Inc.

Framing Questions

Are open data policies an opportunity, a threat, or both?

- · Is data access or data utilization the biggest challenge today?
- · How will Big Data advances change the information landscape?
- · How is the expertise required to support Big Data applications best provided?
- Which has more overall value, access to data or services that are based on the data?

Panelist Comments and Discussion

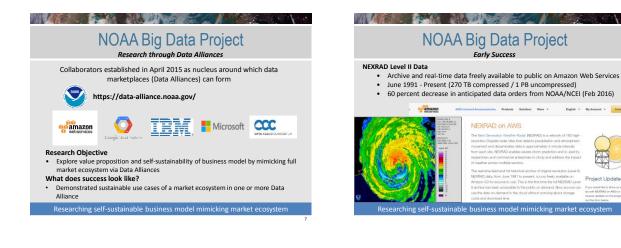
National Weather Service

Laura Furgione **Deputy Director, National Weather Service**

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Open Data Policy and Big Data

- NQAA's environmental intelligence depends on reliable, timely access to global environmental measurements from satellites and other sources. NQAA depends on and supports U.S. Government policies and directives that collectively establish U.S. open data principles. NQAA depends on and supports international data sharing conventions such as those underpinned by World Meteorological Organization Resolutions 40, 25 and 60
- Rapid change in the commercial space services arena is yielding new technical and business approaches to acquiring data from commercial providers.
- NOAA's Commercial Space Policy represents an ongoing effort to promote private sector innovation while maintaining critical international data sharing regimes.
- Big Data is a distinct effort to more fully realize the benefits of open data policy by implementing technical solutions to make data more available, accessible and useful, including data from non-traditional and emerging sources.





Big Data and Evolving the NWS

Our ability to provide IDSS depends on Big Data, especially:

 Probabilistic Information Use of Ensembles

Tackling Big Challenges MRMS

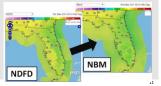
challenges.

GOES-R

- Impact Data
- Predictive Analytics

Big Data will improve consistency and drive probabilistic predictive information critical to IDSS

Examples: National Blend of Models and FACETS



Example Big Data Generation: FACETS Concept



