OGC Standards in NOAA: Looking Across the Chasm

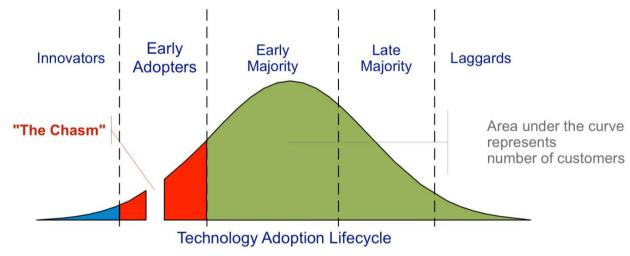
Ted Habermann
NOAA National Geophysical Data
Center



The Chasm

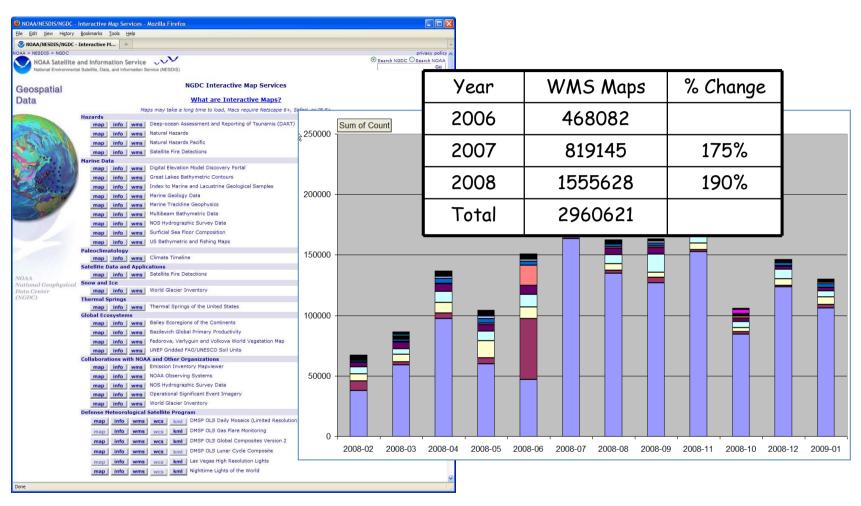


Open Geospatial Consortium Standards have been used by innovators and visionaries in NOAA for many years. Crossing the chasm to the early adopters requires establishing a beachhead. I will describe a few candidates.



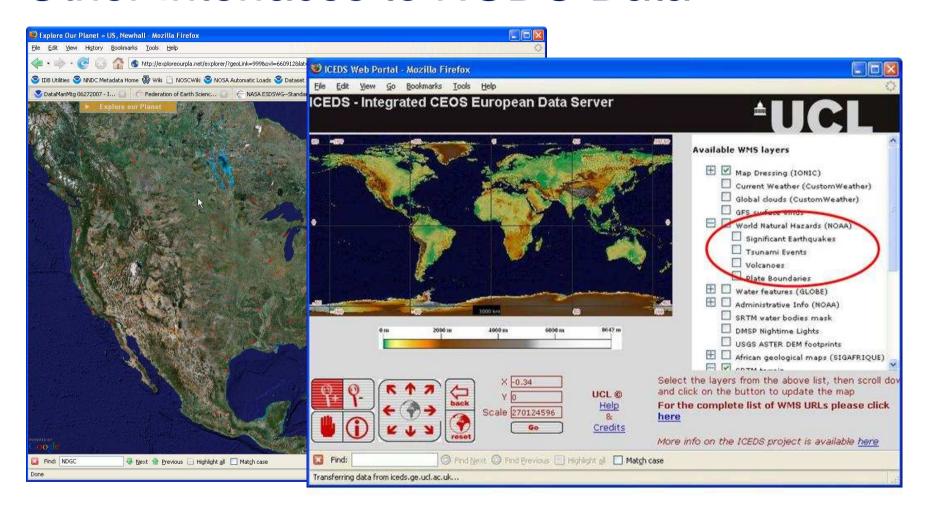


WMS Maps at NGDC





Other Interfaces to NGDC Data



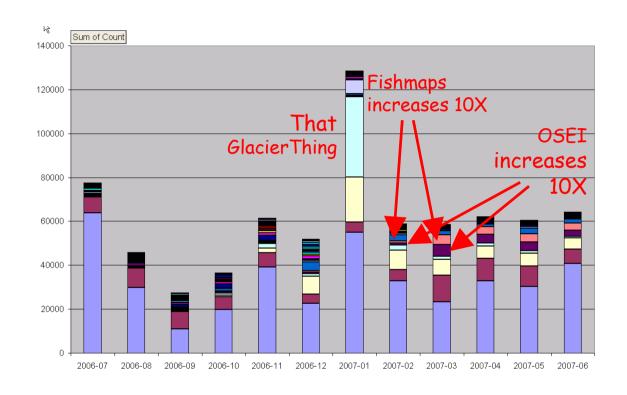


Usage Surprises

That Glacier Thing:

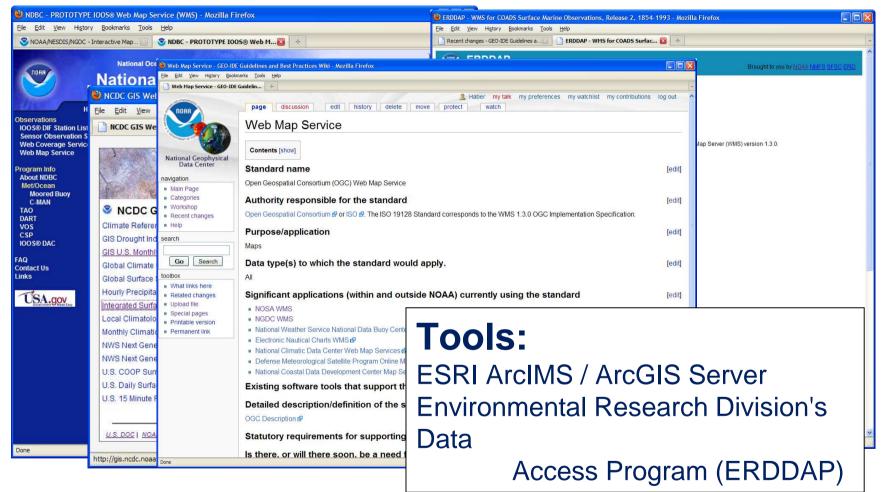
One user had 31,000 hits on a glacier map as they learned how to use WMS.

Layer Mining: Users were using services for background layers instead of data layers.



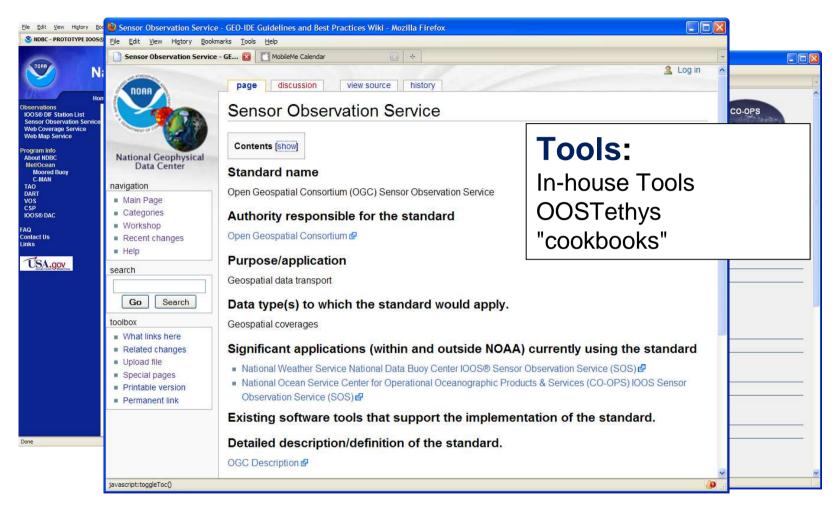


Other WMS





Sensor Observation Services

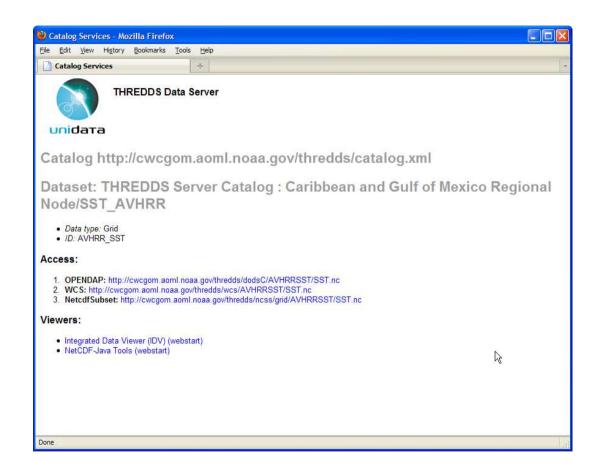




Web Coverage Service

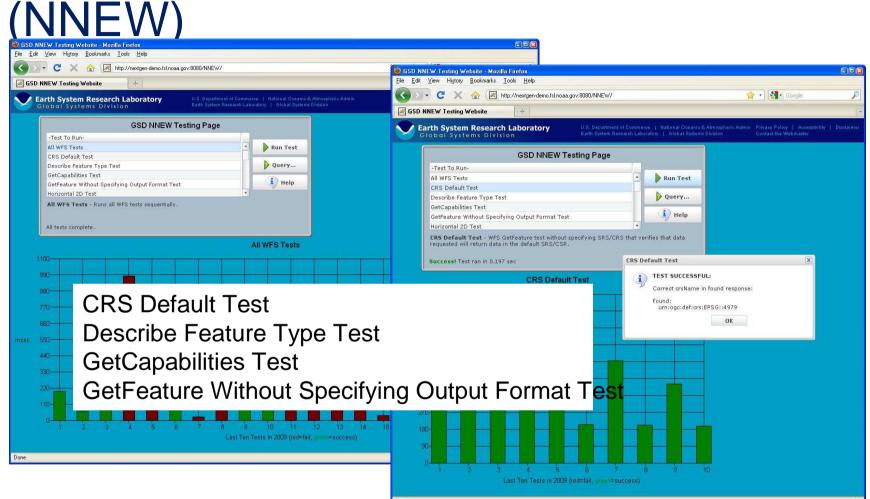
Tools:

THREDDS Data Server Minnesota Map Server NNFW WCS



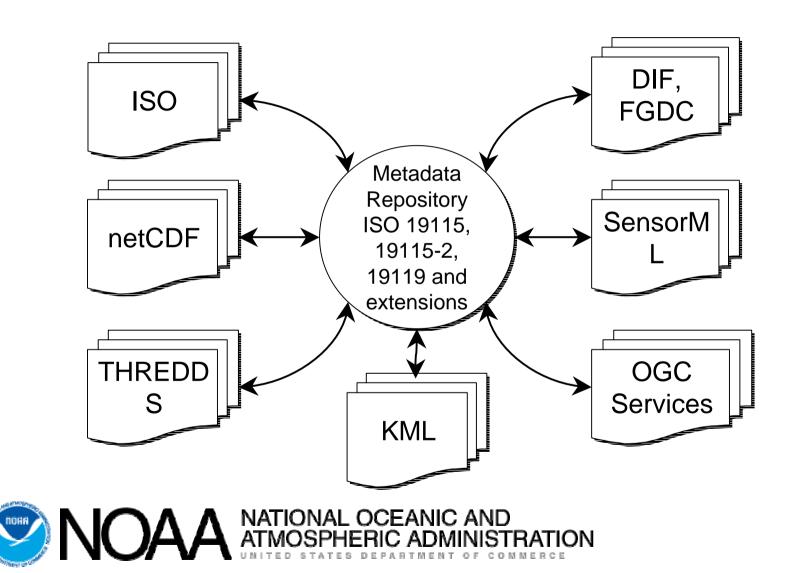


Web Feature Service Testing

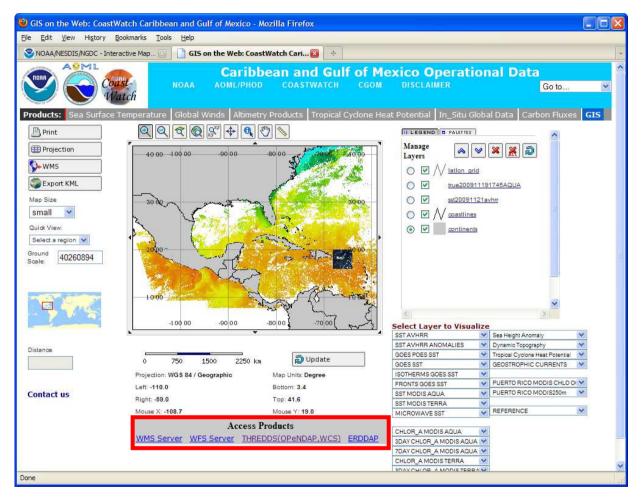




Metadata – Bringing the Pieces Together



Multiple Access Paths





Organizational Developments

OGC Membership

Planning Committee

OGC Working Groups

Coverages

Data Preservation

Data Quality

Earth Systems Science

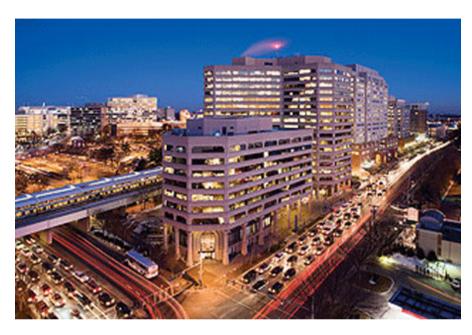
NetCDF

Metadata

Meteorology/Oceanography

Sensor Web Enablement

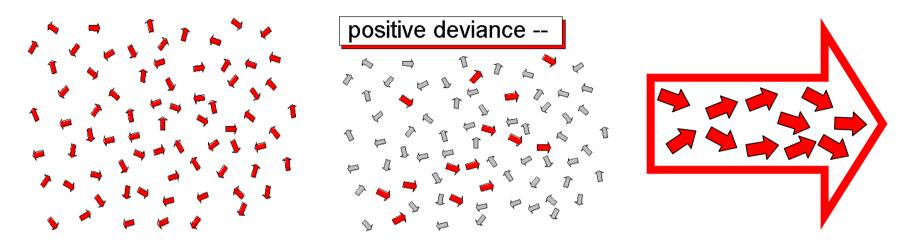
Web Feature Service



OGC Meeting Next Summer in Silver Spring!



Leadership Model: Positive Deviance



Positive deviance says that if you want to create change, you must scale it down to the lowest level of granularity and look for people within the social system who are already manifesting the desired future state. Take only the arrows that are already pointing toward the way you want to go, and ignore the others. Identify and differentiate those people who are headed in the right direction. Give them visibility and resources. Bring them together. Aggregate them.

