

Big Earth Data Initiative (BEDI)

- NOAA FY2015 Activities

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NOAA BEDI Goals

- Provide funding for specific improvements:
 - **Discoverability**
 - **Accessibility** (pref. through service like DAP)
 - **Documentation** (ISO metadata)
 - Standard **formats** (pref. HDF/netCDF)
 - Data management plan
 - Archival submission

NOAA BEDI work for FY2015

- \$748k of internal funding received
- Allocated to 14 PIs through mini-proposal process
- Work to be done from July 2015 – June 2016

Summary of Datasets

- Bathymetry-Topography Models
- MASAM2: Daily 4 km Arctic Sea Ice Concentration
- Historical (late 1940s to early 1990s) Biological Data
- World Ocean Database
- 10-day NWS forecasts and digitized products from National Digital Forecast Database
- Climate Forecast System Reanalysis (CFSRR)
- Climate Forecast System Reforecast (CFSRR)
- Global Forecast System (GFS) model outputs
- Climate Forecast System (CFSv2) Real-time Forecast Model
- Biological and Environmental Data from Fishery Independent Monitoring and Assessment
- Physical oceanography - Bering, Beaufort, and Chukchi Seas and the Gulf of Alaska
- Ocean Monitoring data from fixed-gear fishermen, mobile-gear fishermen, and turtles
- Sea Level Data Synthesis (CO-OPS Water Level Hourly Heights)
- Ecological Characterizations (National Benthic Inventory, National Coral Reef Monitoring Program, and National Status & Trends)
- 20th Century Reanalysis (synoptic pressure, sea surface temperature, sea ice)
- Ocean Exploration and Research (OER) underwater video data
- GOES Space Weather Data