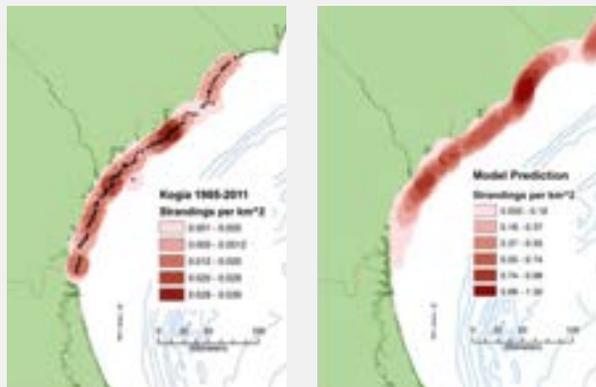# OceanNOMADS

PRESERVING OCEAN MODEL DATA

OceanNOMADS is a NOMADS node dedicated to preserving and providing access to operational ocean model output. The catalog of models available through OceanNOMADS is continually evolving but currently (2015) includes six operational three-dimensional ocean circulation models, five from Navy and one from NOAA, that cumulatively span the time period 2006-present. Geographic coverage focuses on the oceans surrounding the continental U.S., but surface ocean properties are available with global coverage.

NOAA's National Centers for Environmental Information (NCEI) created OceanNOMADS in partnership with the NOAA Northern Gulf Institute, with contributions from the NCEI NOMADS project, NOAA's National Weather Service (NWS), and the US Navy. Today OceanNOMADS provides retrospective access to long time series of output from mature ocean modeling and prediction systems from both NWS and Navy. Archival of selected model fields is provided by NCEI.

SUPPORTING ECOSYSTEM MODELING

OceanNOMADS is being used by the ecosystem modeling community, including scientists from within NOAA as well as from NOAA's partners and constituents. OceanNOMADS supports a variety of ecosystem modeling applications. Examples include modeling seabird habitat and whale-stranding patterns on the US Atlantic coast; larval-transport studies in the northeast Pacific; and whole ecosystem (Atlantis) models of the Gulf of Mexico and Chesapeake Bay.

National Centers for Coastal Ocean Science/NCEI whale stranding study

The NOAA Operational Model Archive and Distribution System (NOMADS) provides distributed, web-service access for real-time and retrospective, format independent climate, weather, and ocean model data and related datasets. The central principle behind NOMADS is that these model products continue to have value long after their initial use, often for very different purposes.

FOR MORE INFORMATION:

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