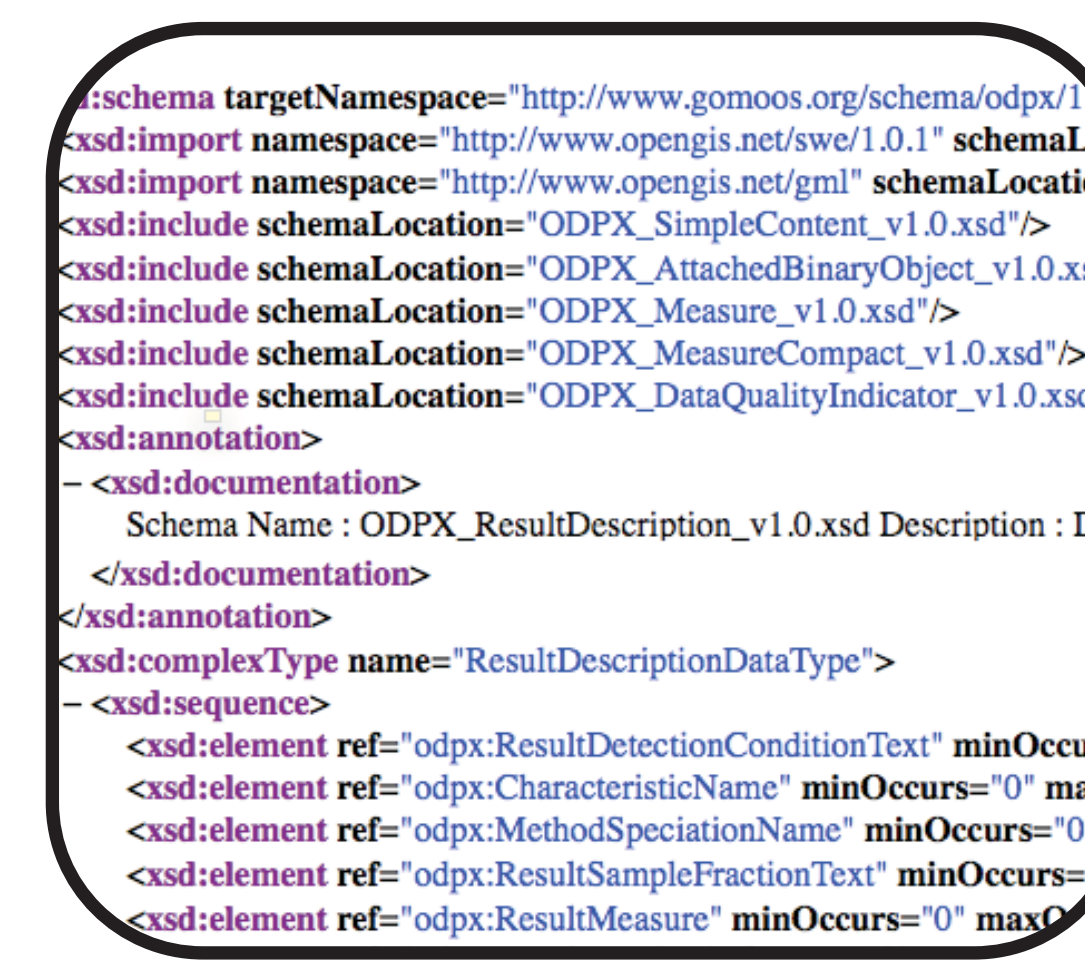
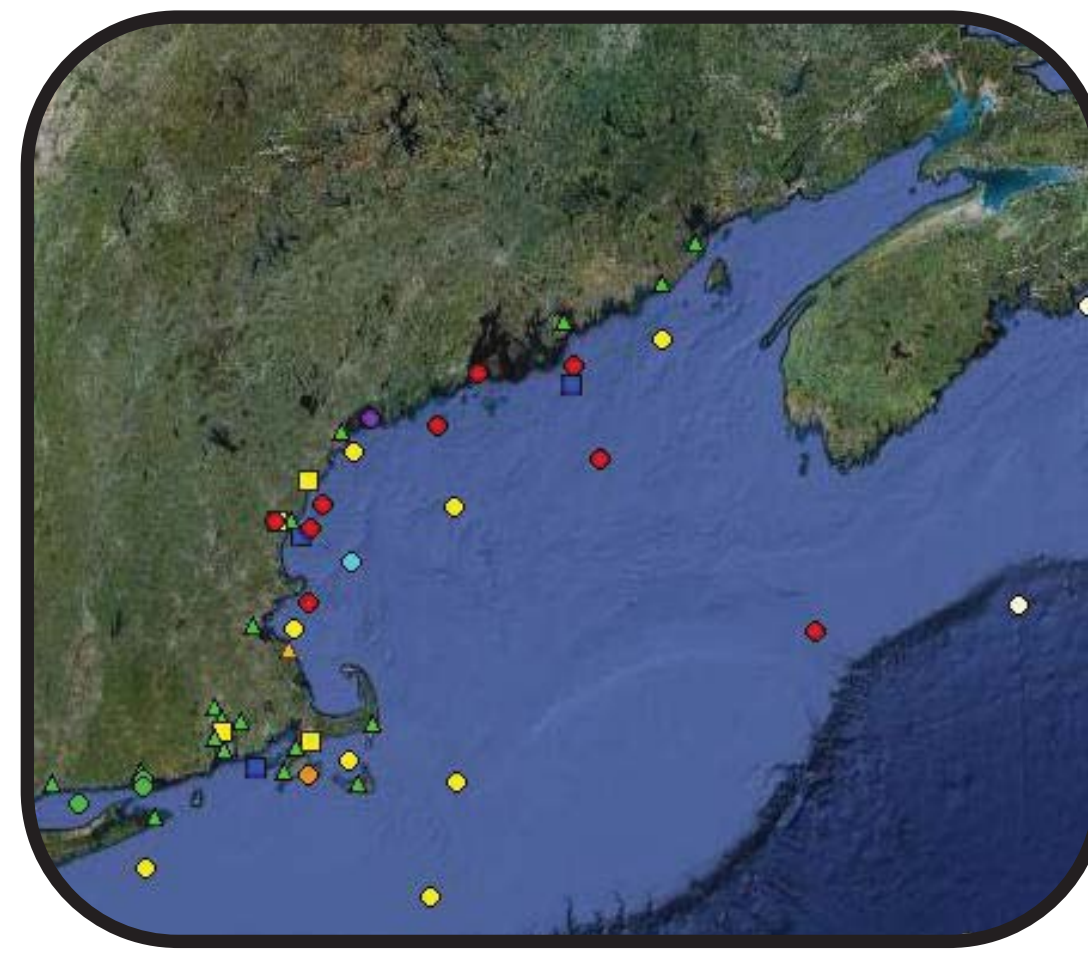
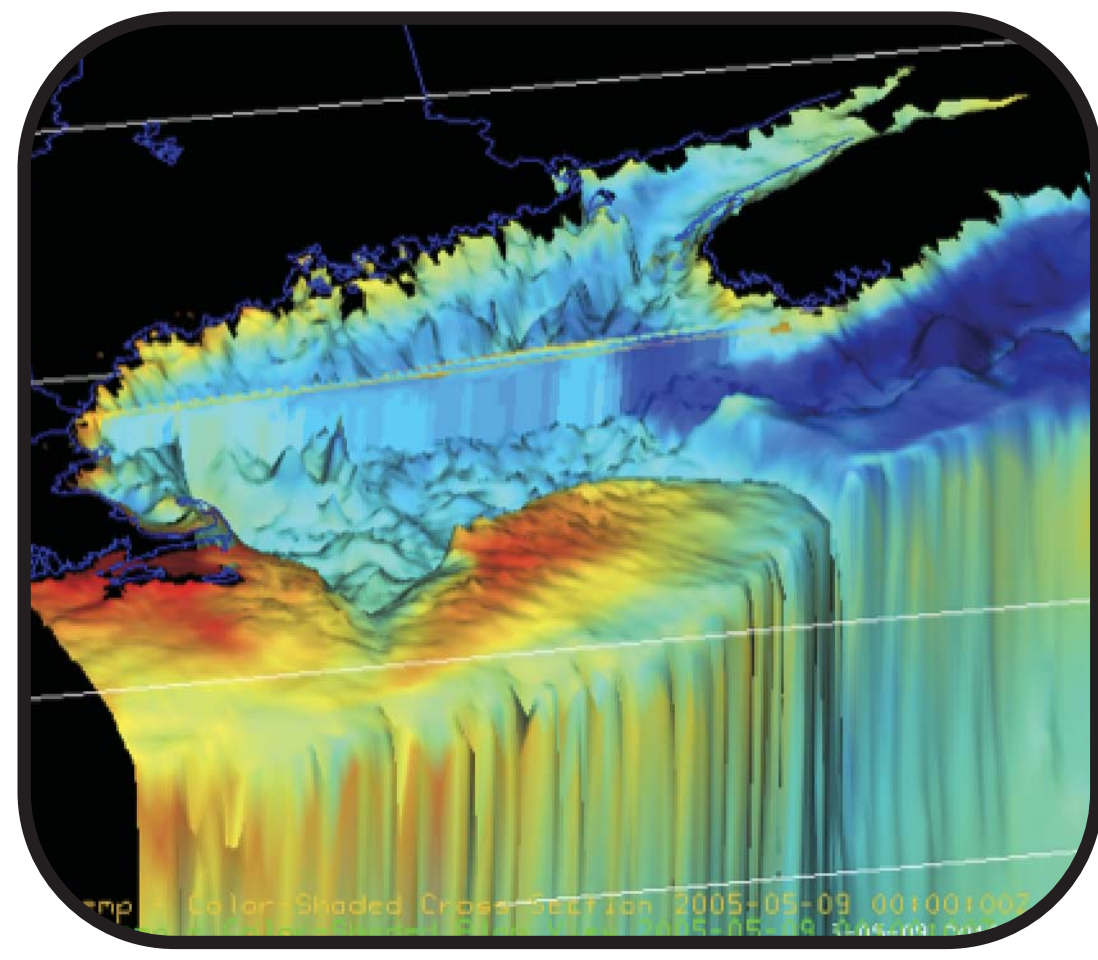


# NeCODP

## Northeast Coastal and Ocean Data Partnership



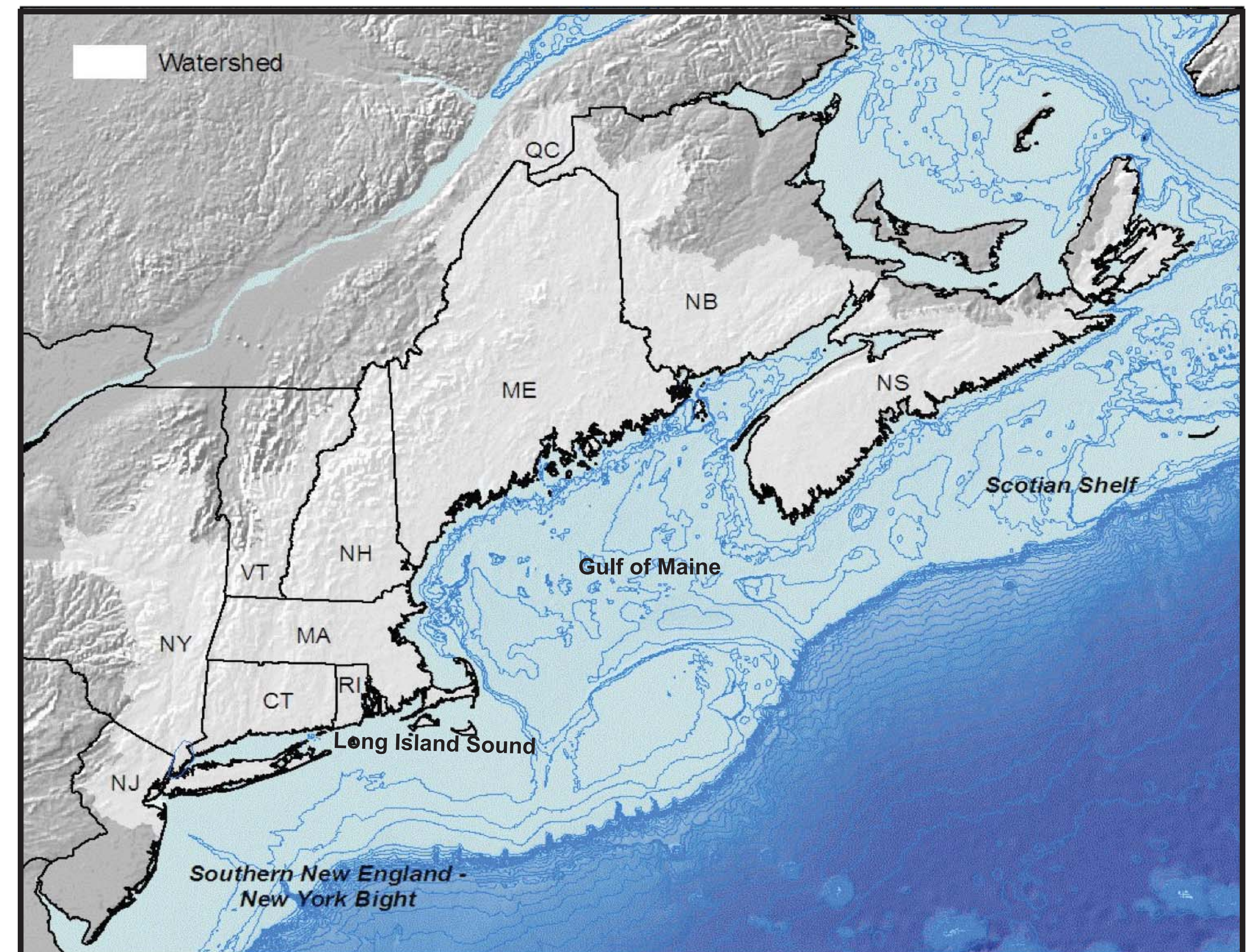
## Building a Region-Wide Information System from the Bottom Up

### About the Partnership

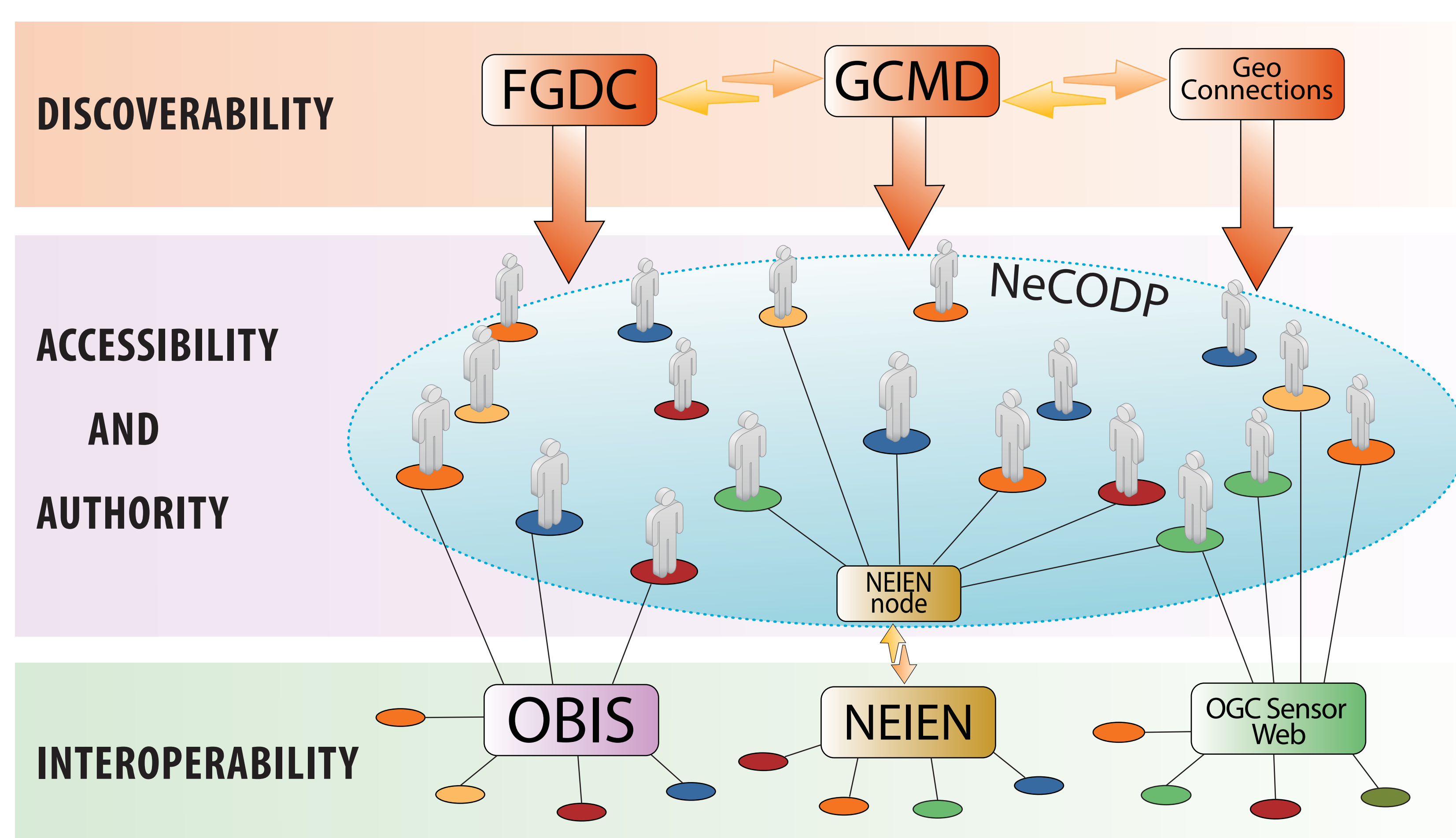
The Northeast Coastal and Ocean Data Partnership (NeCODP) seeks to advance a truly integrated ocean observing system in this area. Started as a grassroots organization, it is an important building block of the Northeastern Regional Association of Coastal Ocean Observing Systems (NERACOOS) - a component of the US Coastal Integrated Ocean Observing System (IOOS) and a member of the National Federation of Regional Associations (NFRA). These efforts are also closely aligned with the Northeast Regional Ocean Council (NROC), with similar focus areas and drawing membership from many of the same organizations.

The NeCODP promotes and coordinates the sharing, linking, electronic dissemination, and use of data in the northwestern Atlantic Ocean and coastal regions - specifically the Gulf of Maine, the waters of Southern New England, Long Island Sound, the coastal waters north of the Gulf to the eastern extent of the Scotian Shelf, and the contributing tributary watershed(s). The NeCODP, originally formed as the Gulf of Maine Ocean data Partnership (GoMODP), was formed through a Memorandum of Agreement in 2004, as a region-wide effort to assist individual institutions in publishing valuable data and information on the physical, biological, chemical and geologic conditions in the Gulf of Maine.

The NeCODP expanded in 2009 beyond the Gulf of Maine to include more of the northwestern Atlantic area. It now includes over 20 member organizations drawn from government agencies, intergovernmental organizations, academia, research and nongovernmental and nonprofit entities - both American and Canadian. The NeCODP provides guidance and technical assistance to members and a forum for exchanging ideas and experience. The NeCODP is hosted by the Gulf of Maine Ocean Observing System (GoMOOS).



### Four Project Areas



- DATA DISCOVERY:** Enable every partner's data to be "discoverable" at national and international data clearing houses
  - Established metadata guidelines available in Technical Guidance document
  - Assisted partners in creating standardized metadata (FGDC) through workshops and mentoring
  - Created Global Change Master Directory portal specific to partnership
  - Review and provide feedback on partner's metadata entries
  - Developed on-line tool for partners to check and update their metadata records
  - Advocate registering metadata with: Geospatial One-Stop (US), GeoConnections (Canada), or Global Change Master Directory (International)
- DATA ACCESSIBILITY:** Promote and facilitate the use of standard protocols for data transport and access at partner institutions
  - Promote a Web services-based architecture to better enable application-to-application communications and interoperability
  - Support initial interoperability by implementing interfaces between a specified set of existing data-transport and access technologies including: Open Geospatial Consortium (OGC) services, SOAP, EPA Exchange Network, OPeNDAP, DiGIR
  - Hosted a web services workshop for the partners
  - Reviewed partners' metadata GETDATA links for accuracy and ease in obtaining data
- DATA AUTHORITY:** Establish authority of each partner's contributions and consistency among datasets
  - Created a living Technical Guidance document with recommendations for:
    - Tracking the primary data provider
    - Documenting the history of any value-added processing or data manipulation
    - Assuring appropriate attribution
    - Documenting and recommending standard vocabularies for parameters, species and places
- DATA INTEROPERABILITY:** Enable use and integration of partner's data by regional stakeholders to solve practical problems
  - Develop and host a web portal for searching, accessing, mapping and analyzing data from the various partners and other interoperable sources
  - Development of a Modeling Subcommittee to promote sharing of ocean and weather model output

### The Partners



**For information on joining the partnership:**  
[www.necodp.org](http://www.necodp.org)