Leveraging IOOS Data to Advance Marine Conservation – What’s Next?

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Herndon, VA
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Developing data and tools for ocean planning; EBM framework

Restoration at scales that matter

Climate change adaptation

Fishery policy engagement – solution oriented

Conservation of migratory species
MARACOOS – Real time Obs & Models
MARCO Portal – Planning Relevant, Static and 2 Dimensional
Looking for the sweet spot(s) between noisy complicated & tractable simpler truth

Physical & Chemical Oceanographers, Modelers

State & Federal Coastal Zone Resource Managers

STAKEHOLDERS
Some Frontiers

- Pelagic habitat modeling
  - Model driven fishery stock surveys
  - Weak stock and protected species bycatch avoidance
  - Model driven marine mammal and bird surveys & parameters for new models

- Metapopulation dynamics models to inform area based fisheries management strategies

- The “wired ocean” with fish that phone home - information revolution

- Climate change adaptation – subtidal strategies
Expect the unexpected and conserve the stage – the actors will change.
Searching for medium complexity & objective reality…
What does winning look like and how can we tell if we are moving in the right direction?