



Briefing for the Florida Water Resources Monitoring Council

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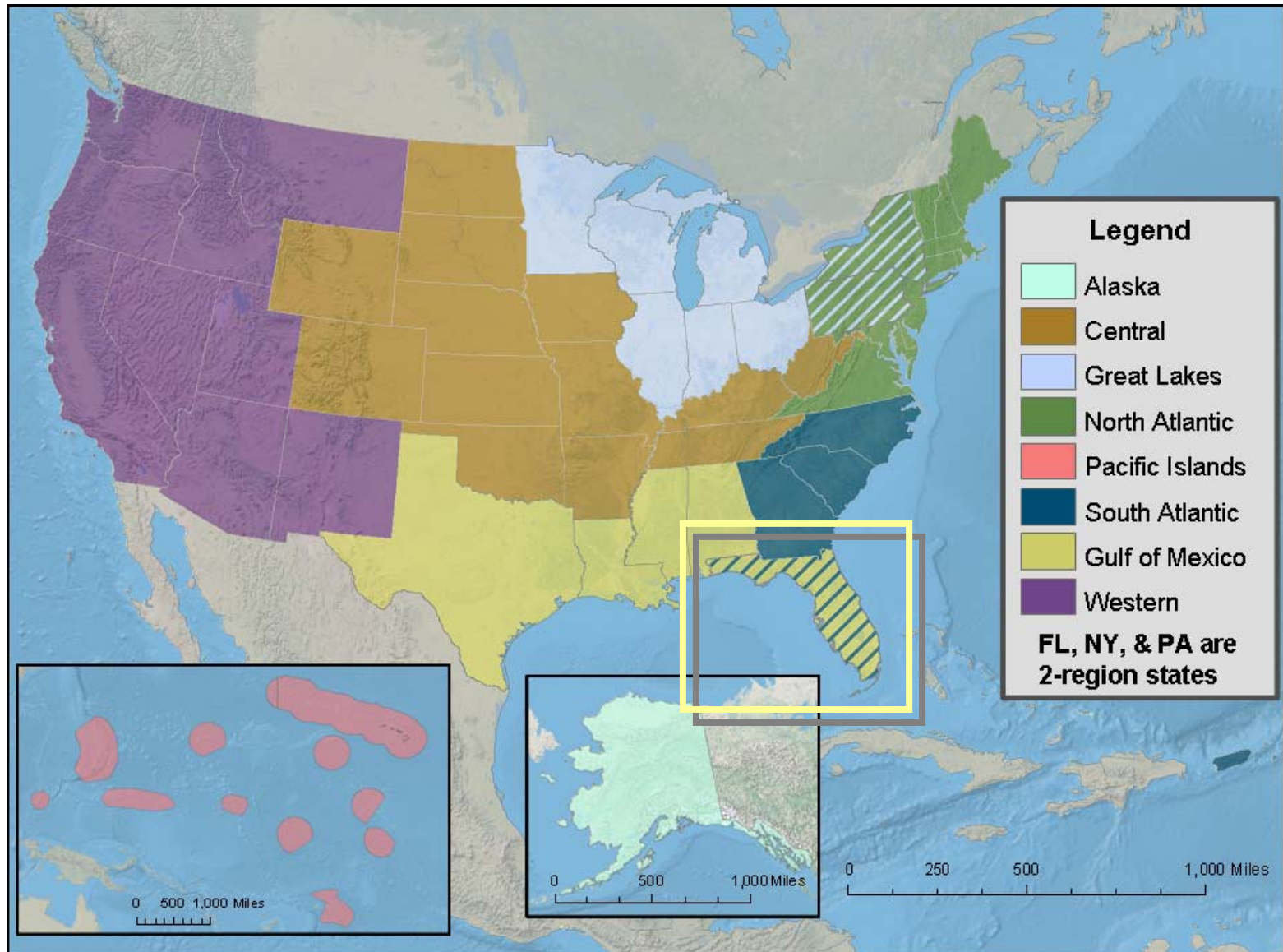
NOAA's Integrated Ocean Observing System (IOOS) Program Office

Briefing for the Florida Oceans and Coastal Resources Council

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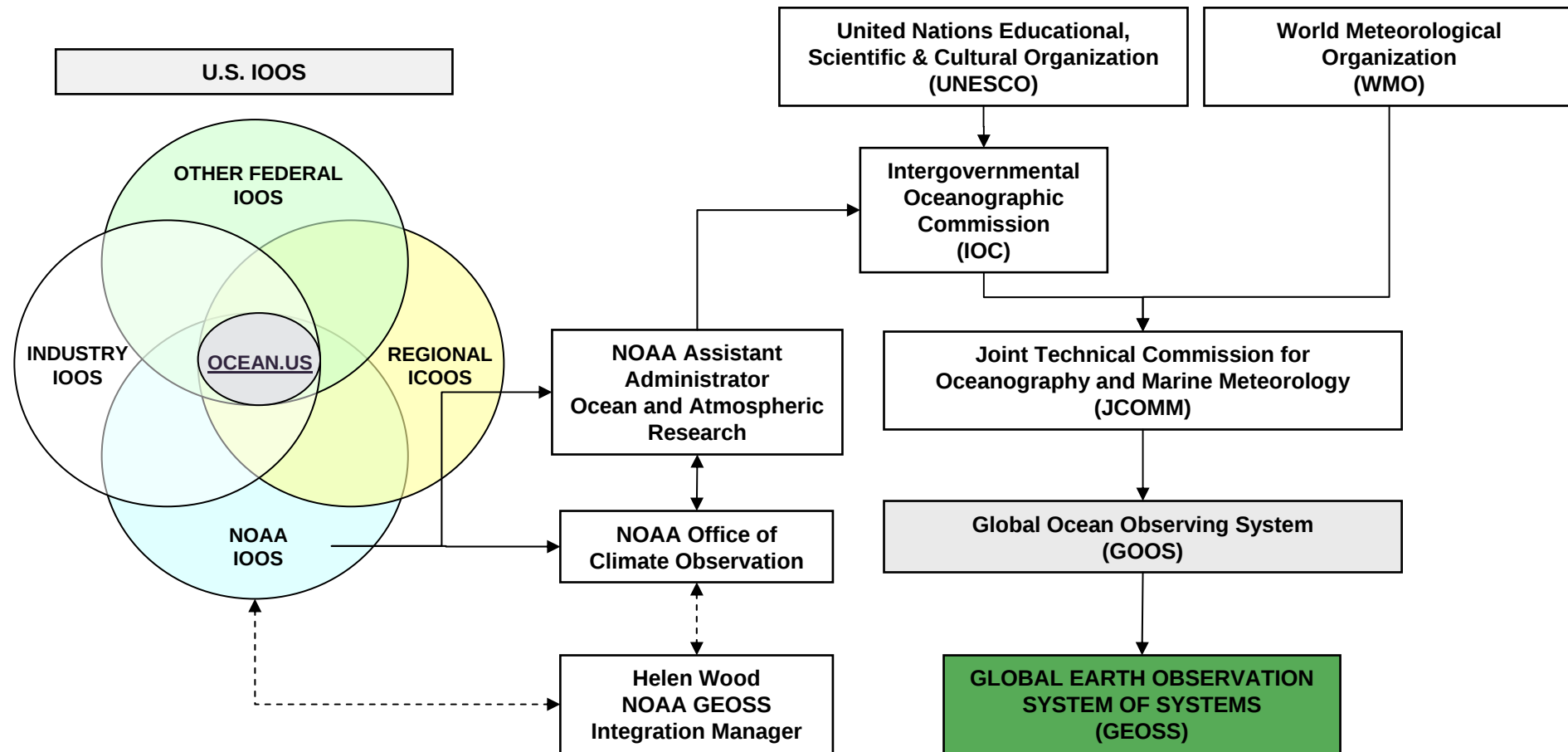


Advancing NOAA Priorities Through Regional Collaboration





NOAA's IOOS Link to GEOSS



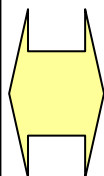
The IOOS Challenge: Data Integration

Societal Challenges

Global climate not well understood

Coastal populations at risk

Ocean, coastal, and Great Lakes ecosystems at risk



Information Needs

Characterize the state of the global climate system and its variability

Improved models (e.g., hurricane intensity, coastal inundation, and harmful algal bloom model)

Improved ecosystem assessments

Updated management approaches

Improved access to data, and scientific information

IOOS Core Variables

Temperature
Salinity
Sea Level
Surface currents
Ocean color
Bathymetry
Surface waves
Ice distribution
Contaminants
Dissolved nutrients
Fish species
Fish abundance
Zooplankton species
Optical properties
Heat flux
Bottom character
Pathogens
Dissolved O₂
Phytoplankton species
Zooplankton abundance

Integration

Long-term data series, coordinated in space and time

Decision Tools

Hurricane Intensity Model

Coastal Inundation Model

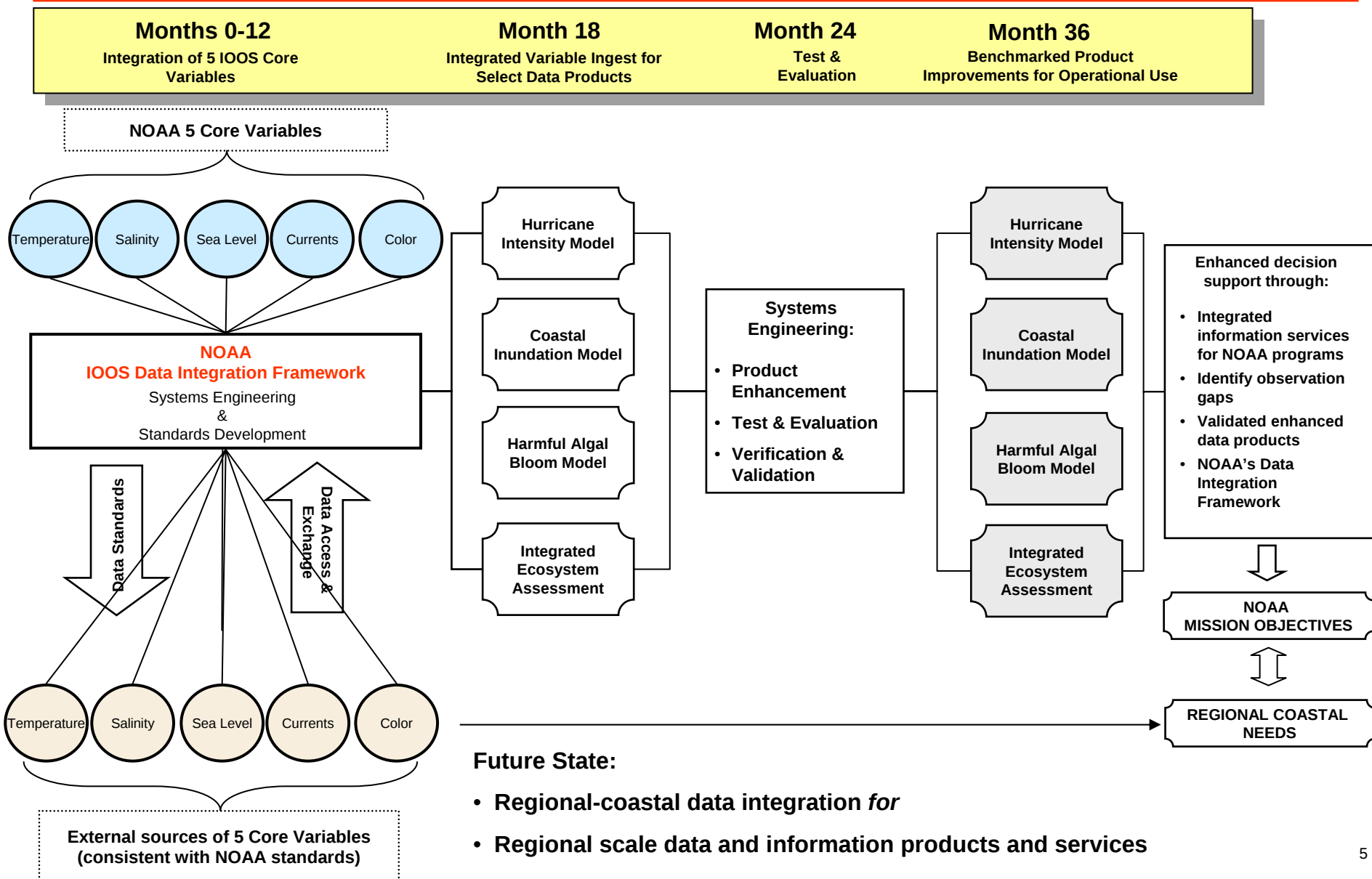
Harmful Algal Bloom Model

Integrated Ecosystem Assessment





NOAA's Initial Operating Capability: Data Integration Framework





NOAA's Regional IOOS Activities: Development



- NOAA intends to competitively fund projects under the FY07 Regional Integrated Ocean Observing System Development solicitation
 - Projects will support:
 - RCOOS development;
 - IOOS applications development; and
 - Data Management and Communication (local data network nodes)
 - Peer review of full proposals will occur in May
 - Target time for selection is mid June 2007
- NOAA's FY08 Budget Request includes \$11.5M for the Regional Component of IOOS