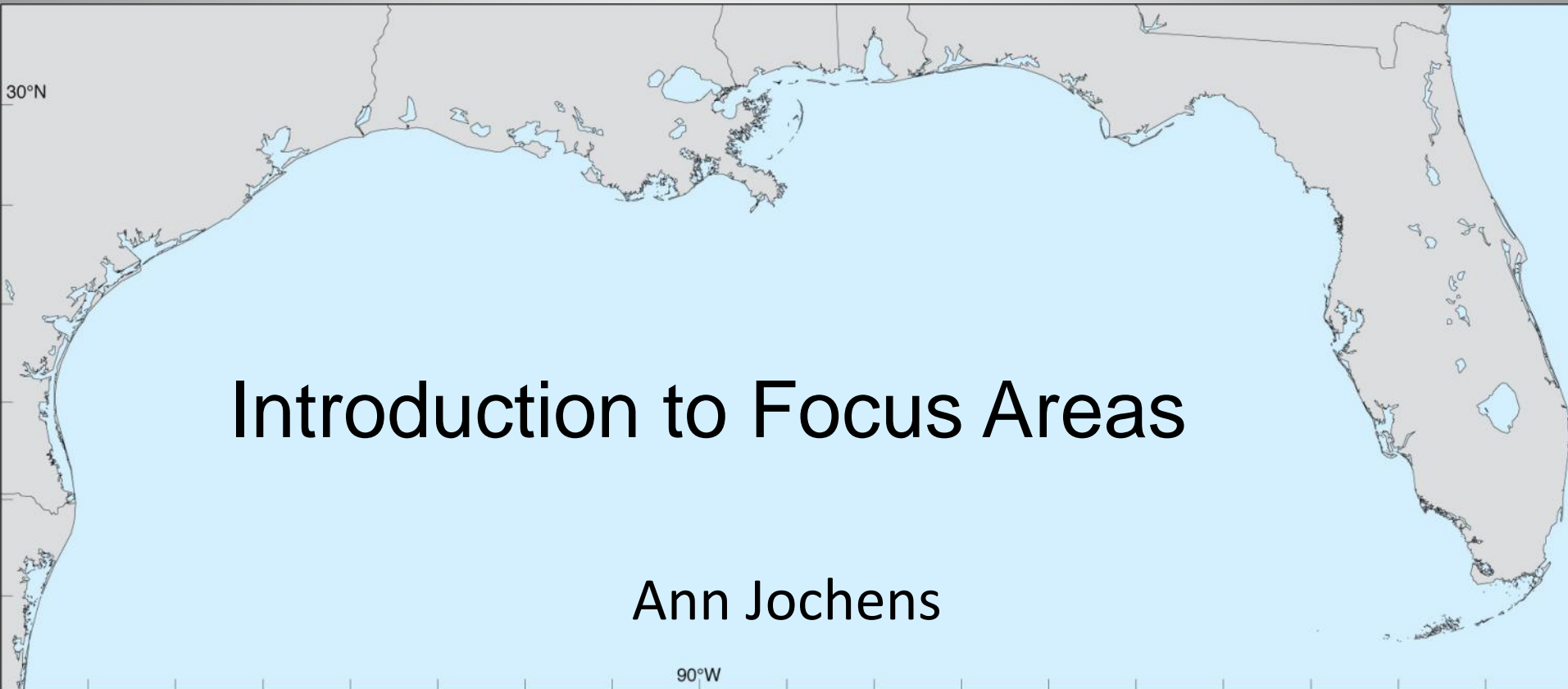


GCOOS/GOMA HABIOS Workshop #2



GULF OF MEXICO
COASTAL OCEAN
OBSERVING SYSTEM

21-23 April 2009
ST. Petersburg, Florida



Building the HABIOS

- What information, data, products are presently available
 - HABIOS Workshop #1 provided some information
 - Changing measurements, modeling, methods
- What are the needs of each end user group?
- What gaps exist between what is available today and what is needed by end users?
 - From Gap Analysis
 - Future technologies

Summarize State of Science Framework: Four Focus Areas

- Prediction
- Detection
- Monitoring and Tracking
- Forecasting

Leading to Identification of End Users, Their Needs, and how the HABIOS will be built

Focus Area: Prediction

- Speaker: Cindy Heil
- Some thoughts:
 - What currently exists for prediction?
 - What experimental technologies are out there?
 - Models
 - What is needed to realize improvements?
 - Data assimilation
 - Ground truthing

Focus Area: Detection

- Speaker: Cindy Heil
- Some thoughts:
 - What capabilities now exist?
 - What possible technologies may exist in the coming years?
 - What constitutes detection? Timing issues?
 - Human and animal health
 - Dissemination of detection information

Focus Area: Monitoring and Tracking

- Speaker: Gary Kirkpatrick
- Some thoughts:
 - What is available?
 - What is coming on line?
 - What is needed when?
 - Research needs?
 - Adaptive sampling
 - Dissemination of data, products, information

Focus Area: Forecasting

- Speaker: Shelly Tomlinson
- Some thoughts:
 - What is needed by users of forecasts? (e.g., lead times, accuracy of tracks, species, and concentrations)
 - What can be expected re: lead times, etc. with current state of technology for each type of info needed by users?
 - How can the feasible requirements be met?

Framework Leading to Identification

- Framework of
 - Prediction
 - Detection
 - Monitoring and Tracking
 - Forecasting
- Identification of
 - End Users and Their Needs
 - Gaps (e.g., data, products, models)
 - Priorities

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Cindy Heil
Gary Kirkpatrick
Shelly Tomlinson



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