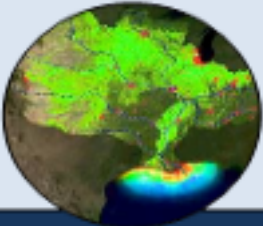


WORKSHOP OVERVIEW



6th Annual NOAA/NGI Hypoxia Research Coordination Workshop

Establishing a Cooperative Hypoxic Zone Monitoring Program

12-13 September, 2016

Mississippi State University Science and Technology, Stennis Space Center, MS

ALAN LEWITUS
NOAA
NATIONAL CENTERS FOR
COASTAL OCEAN SCIENCE



NATIONAL CENTERS FOR COASTAL OCEAN SCIENCE

coastalscience.noaa.gov

GULF MONITORING SUMMIT (2007)

Summit on Long-Term Monitoring of the Gulf of Mexico Hypoxic Zone:

Developing the Implementation Plan for an Operational Observation System

HYPOXIA

January 30-31, 2007
Stennis Space Center, MS

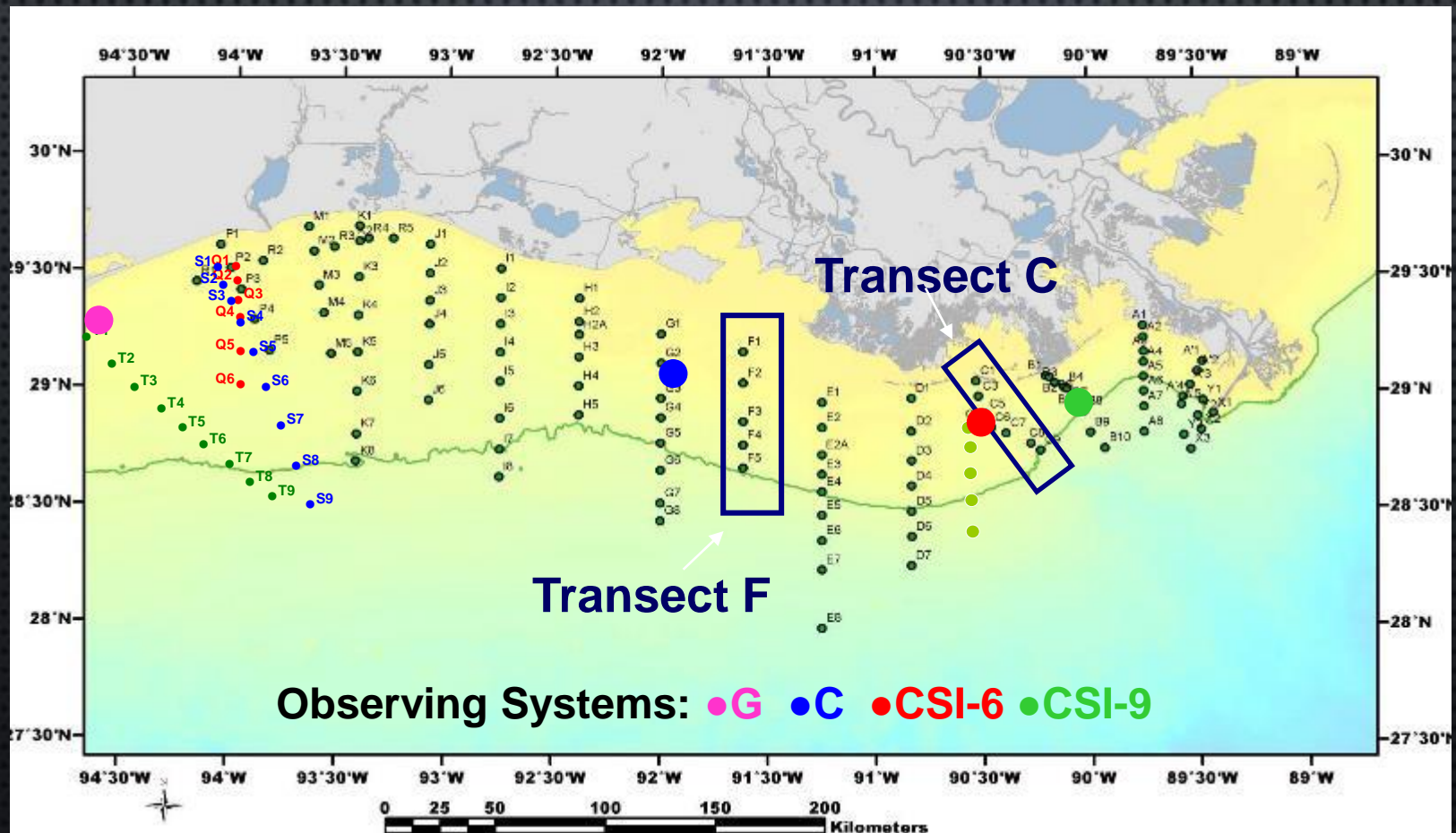
SUMMIT ON
LONG-TERM
MONITORING OF THE
GULF OF MEXICO
HYPOXIC ZONE



Output: Gulf Hypoxic Zone Monitoring Implementation Plan (2009, revised 2012)

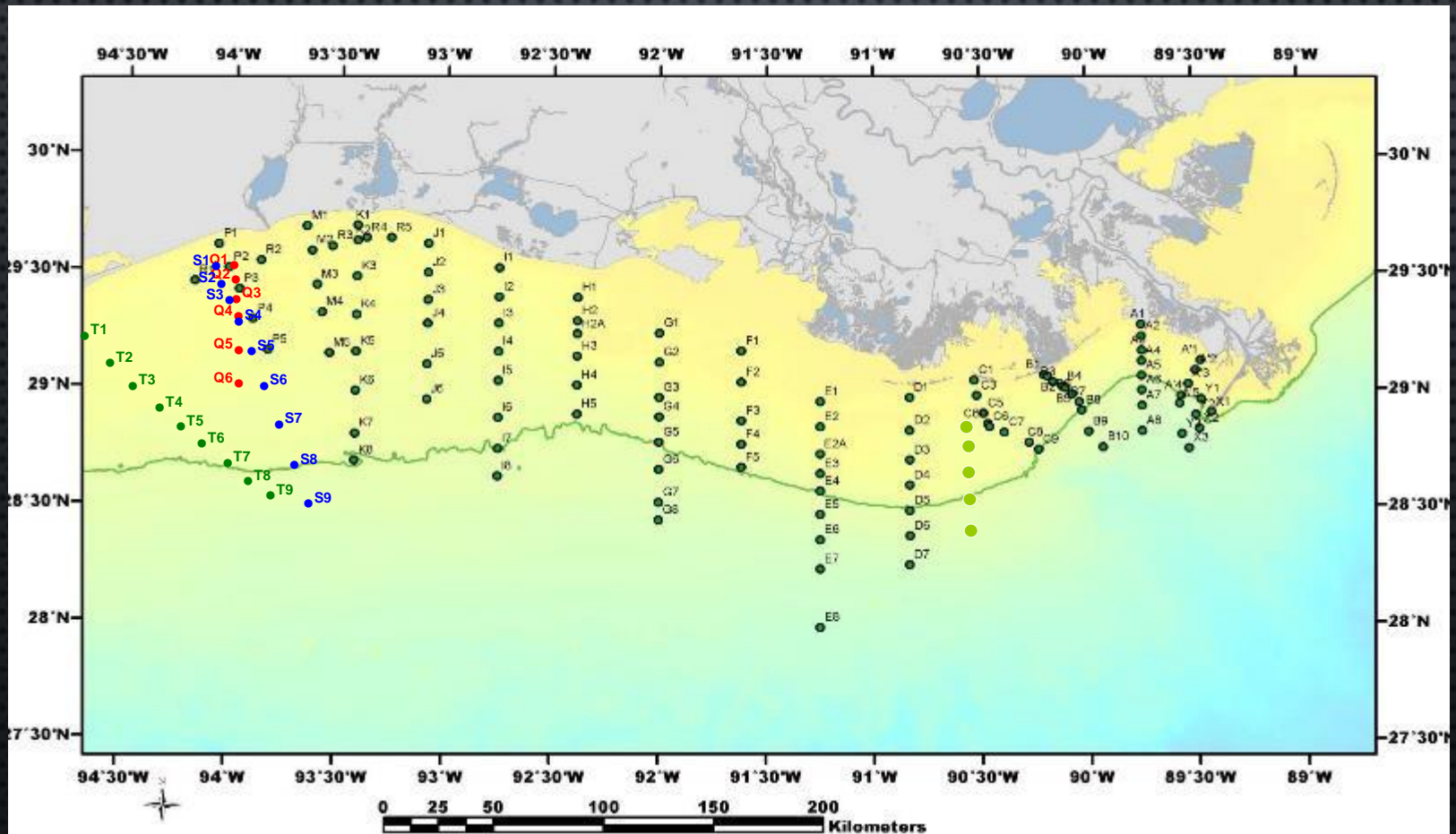
HYPOXIC ZONE MONITORING ACTIVITIES IN RECENT PAST

- Three shelfwide surveys (June, July, Aug)
- Monthly to bimonthly Transects F and C throughout year
- Continuous data from 4 Observing Systems



TODAY

- One shelfwide survey (July)



WORKSHOP GOAL AND OUTPUTS

Goal:

- **Identify and coordinate partner interests for establishing a cooperative monitoring program for the Gulf hypoxic zone that achieves management-driven objectives.**

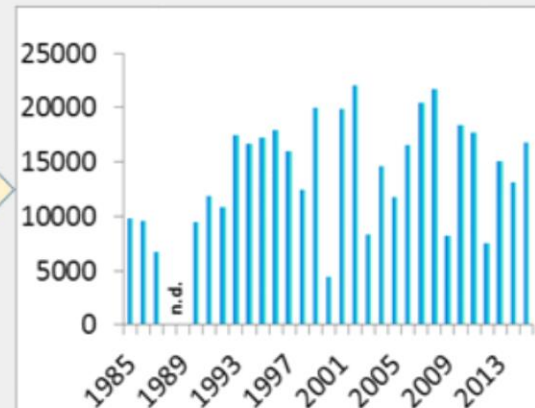
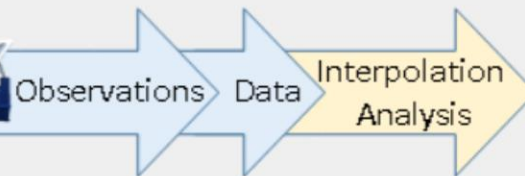
Outputs:

- **Workshop report identifying partners and mechanisms necessary to implement and sustain a Cooperative Hypoxic Zone Monitoring Program.**
- **Establishment of small teams of workshop attendees to advance implementation of key elements of Gulf monitoring identified at the workshop**

WORKSHOP INPUTS

- A pre-workshop monitoring strategy with current and proposed programmatic and financial requirements to inform workshop proceedings.
- An outline of activities of current monitoring programs in the Gulf of Mexico to facilitate partner-building during working sessions.

Gulf of Mexico Hypoxia Monitoring Strategy



AGENDA STEPS

Monday Morning:

- Stage-setting talks
- Talks on current state of hypoxic zone monitoring
- Talks on other monitoring programs with links to hypoxic zone

Monday Afternoon through Tuesday noon:

AGENDA STEPS

Monday Morning:

- Stage-setting talks
- Talks on current state of hypoxic zone monitoring
- Talks on other monitoring programs with links to hypoxic zone

Monday Afternoon through Tuesday noon:



WORKING SESSIONS

Working Session – 1

Breakout 1 (Researchers)

Refine minimal monitoring requirements to support 3D time variable hypoxia models

Breakout 2 (Related Programs)

Identify synergies between hypoxic zone and other monitoring programs

Breakout 3 (Supporters)

Identify partner opportunities and mechanisms to support key monitoring needs

WORKING SESSIONS

Working Session – 1

**Breakout 1
(Researchers)**

**Breakout 2
(Related Programs)**

**Breakout 3
(Supporters)**



Working Session – 2

**Construct Matrix of monitoring requirements,
potential partners, and mechanisms for
implementation of a Cooperative Hypoxia
Monitoring program**

WORKING SESSIONS

Working Session – 1

Breakout 1
(Researchers)

Breakout 2
(Related Programs)

Breakout 3
(Supporters)



Working Session – 2



Working Session - 3

Refine Matrix and identify steps for
implementation