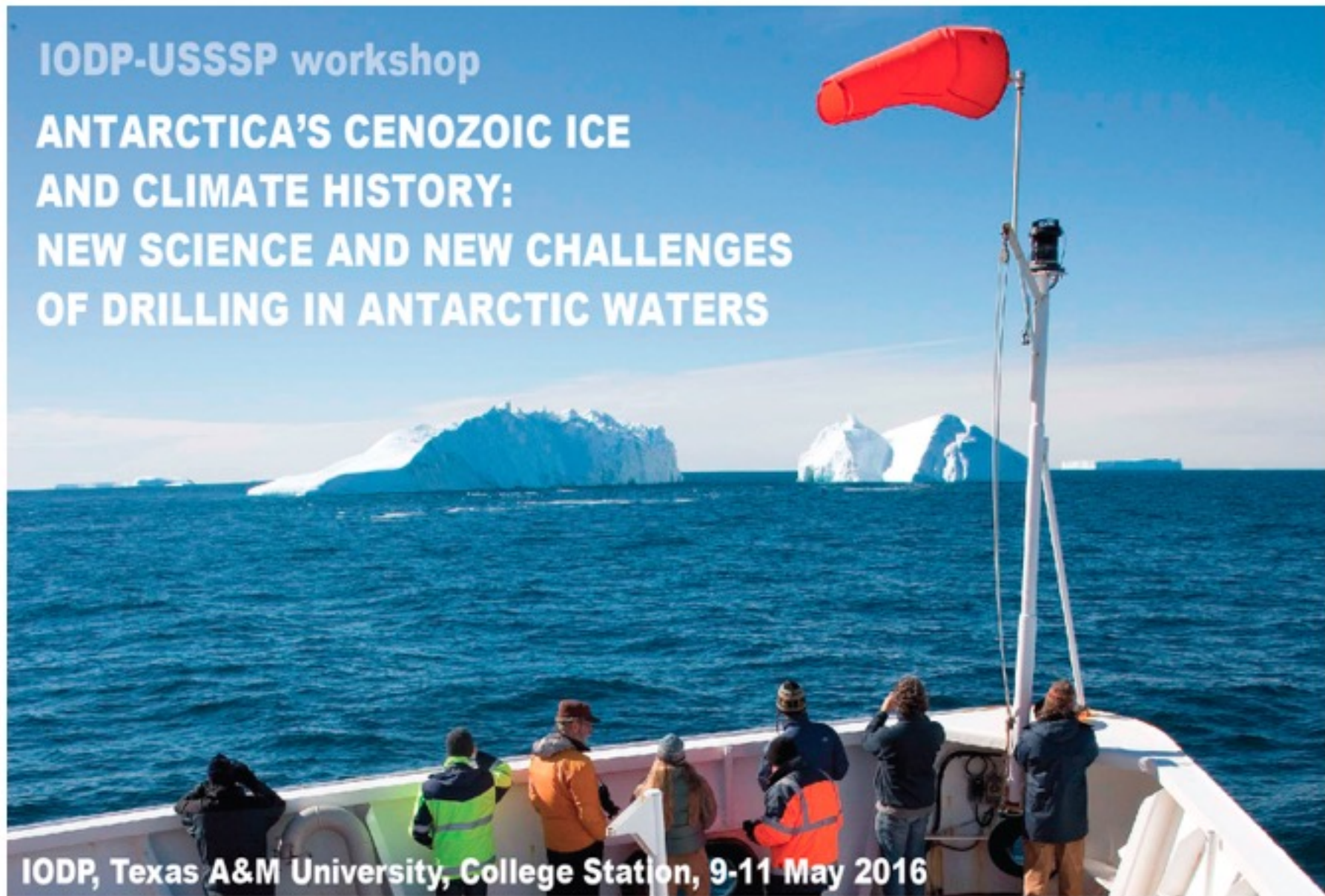


**IODP-USSSP workshop**  
**ANTARCTICA'S CENOZOIC ICE**  
**AND CLIMATE HISTORY:**  
**NEW SCIENCE AND NEW CHALLENGES**  
**OF DRILLING IN ANTARCTIC WATERS**



**IODP, Texas A&M University, College Station, 9-11 May 2016**



**U.S. SCIENCE SUPPORT PROGRAM**



EUROPEAN CONSORTIUM FOR  
OCEAN RESEARCH DRILLING



**IODP**  
INTERNATIONAL OCEAN  
DISCOVERY PROGRAM

Tuesday morning workshop session

## **Drilling in a harsh polar environment: sea ice, icebergs and weather assessment; planning for the unexpected.**

### **Can divide this problem into three parts:**

- Past seasonal variability (monthly and daily) – for expedition planning.
- Daily monitoring at sea – for at-sea decision-making.
- Forecasts – for at-sea decision-making.

### **Hazards:**

- Weather (low temperature, high wind, icing)
- Sea state (wave height)
- Sea ice
- Icebergs

# Sea State

NOAA Wavewatch Viewer III  
<http://polar.ncep.noaa.gov/waves/viewer.shtml>

