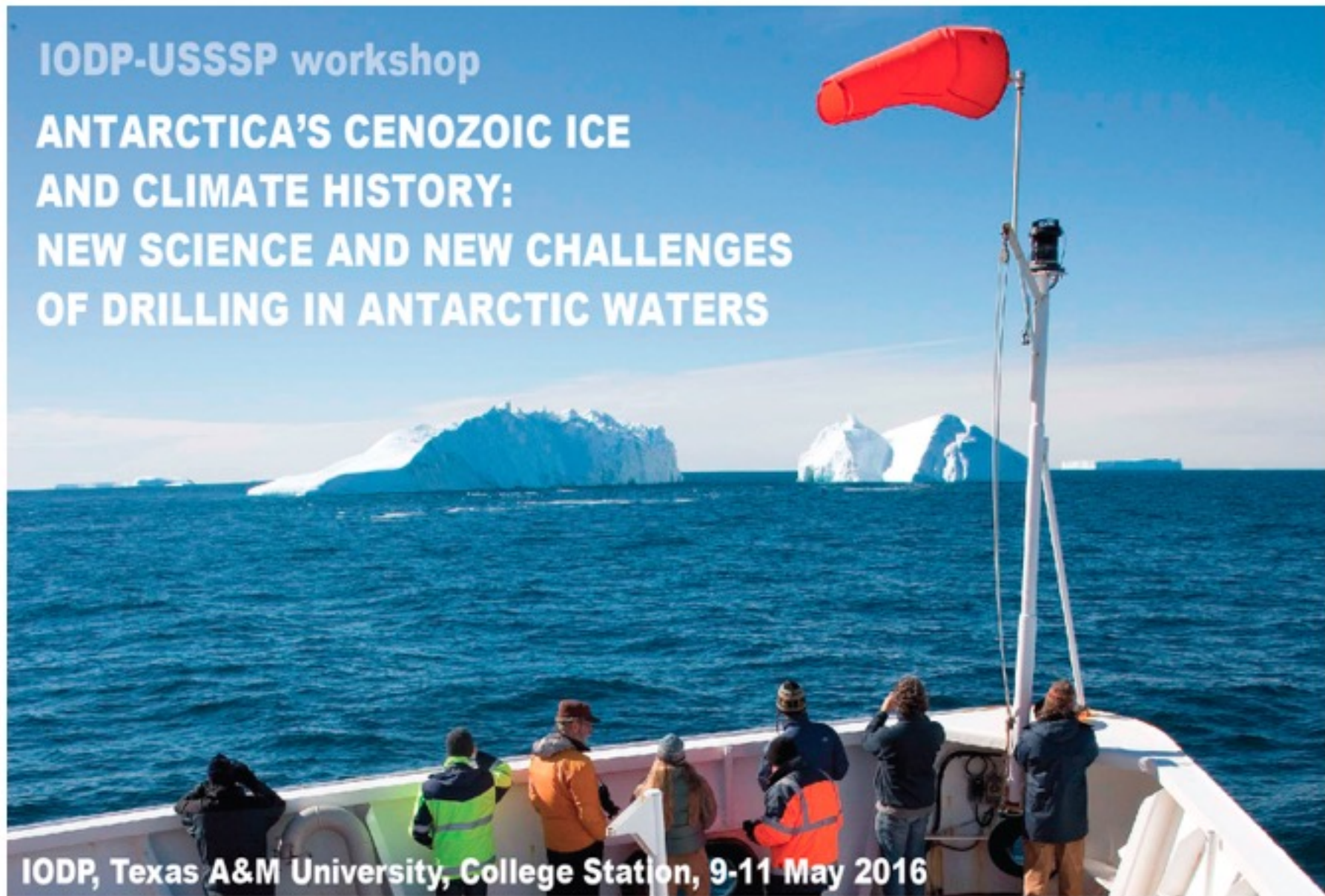


IODP-USSSP workshop
ANTARCTICA'S CENOZOIC ICE
AND CLIMATE HISTORY:
NEW SCIENCE AND NEW CHALLENGES
OF DRILLING IN ANTARCTIC WATERS



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



U.S. SCIENCE SUPPORT PROGRAM



EUROPEAN CONSORTIUM FOR
OCEAN RESEARCH DRILLING

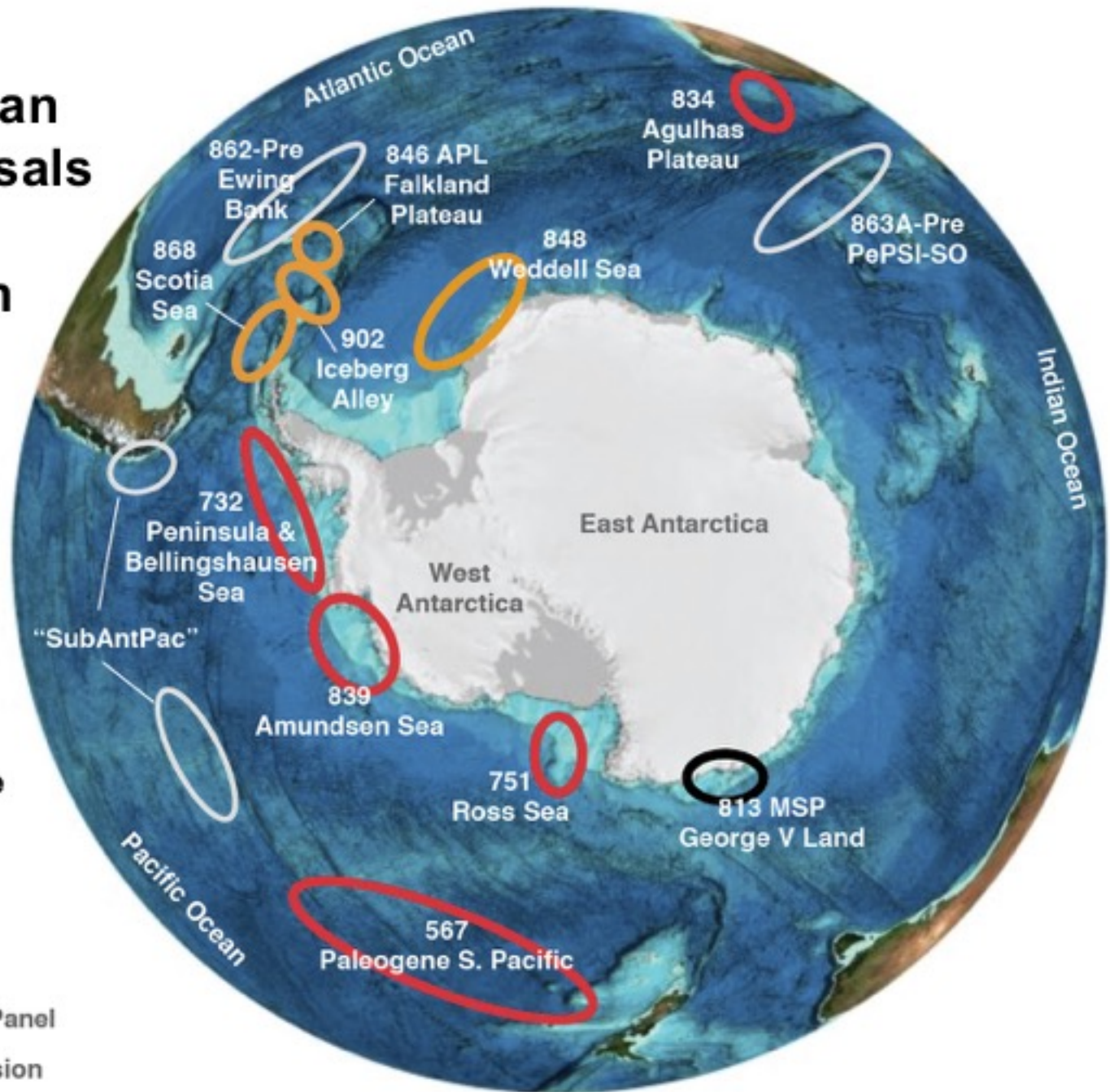


IODP
INTERNATIONAL OCEAN
DISCOVERY PROGRAM





JOIDES Resolution in Curacao



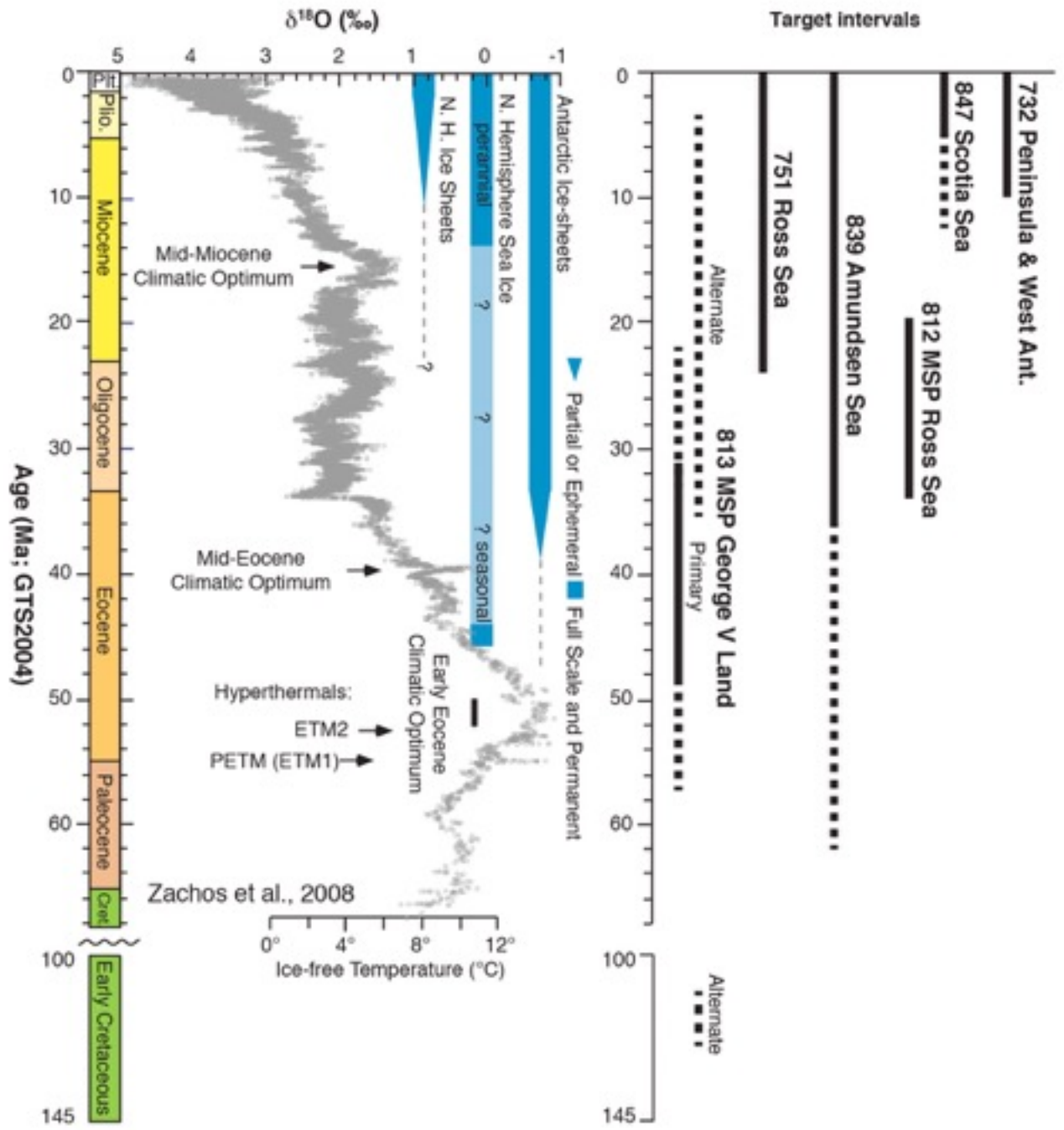
Antarctic and Southern Ocean drilling proposals in the IODP review system



Antarctic and Southern Ocean drilling proposals in the IODP review system. Status, April 2016:

-  Scheduled
-  at Facility Board
-  at Science Evaluation Panel
-  Pre-proposal or in revision

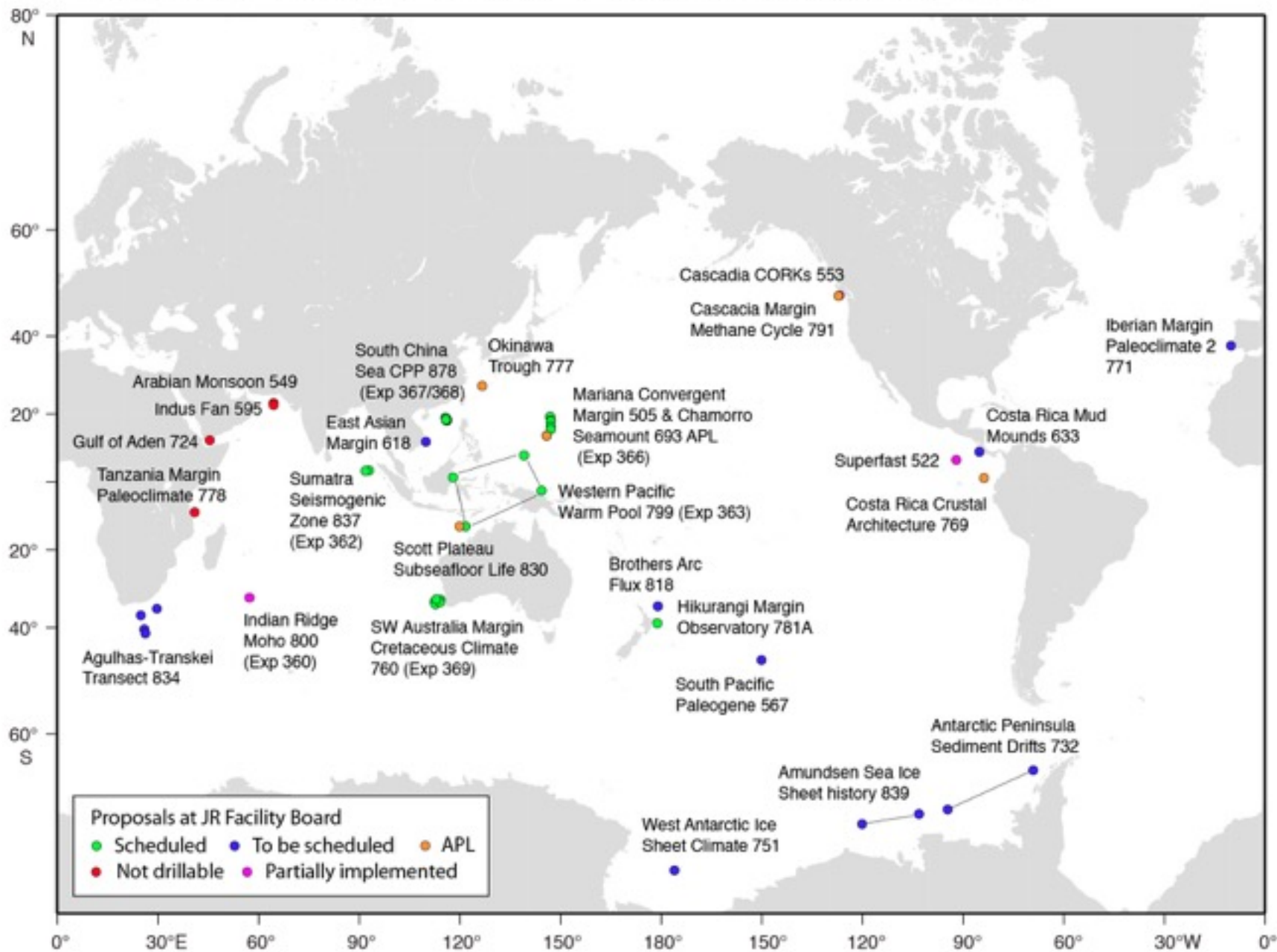
Age coverage and targets of interest



Workshop Objectives

- **Monday.** Review the science objectives of drilling proposals currently in the IODP review system. Identify geographic areas and age windows that can best provide insight into Antarctic ice sheets under warm climates. Put this in context of IODP science plan and the broader context (SCAR, IPCC).
- **Tuesday.** Review the sea ice and weather information that can be used to: (a) plan drilling expeditions; and (b) to make at-sea decisions, in order to conduct safe drilling operations in Antarctic waters. What are the best weather windows for each proposed expedition? Are more resources needed?
- **Wednesday (and Tuesday afternoon).** Examine some classic Antarctic sediment cores from the Gulf Coast core Repository.
- **Thursday and Friday.** Write a meeting summary to be submitted to the JOIDES Resolution Facility Board prior to their meeting next week.

Proposals at JR Facility Board, January 2016



Antarctic drilling in the IODP Science Plan

The IODP 2013-2023 Science Plan challenges were prioritized at a workshop in Denver in 2012. In the Climate and Ocean change theme, workshop, and we should emphasize this in the workshop report:

Challenge 1: How does Earth's climate system respond to elevated levels of atmospheric CO₂?

Challenge 2: How do ice sheets and sea level respond to a warming climate?

Past Antarctic Scientific Drilling

