

# Report on ANZIC Activities to ECORD Naples Meeting



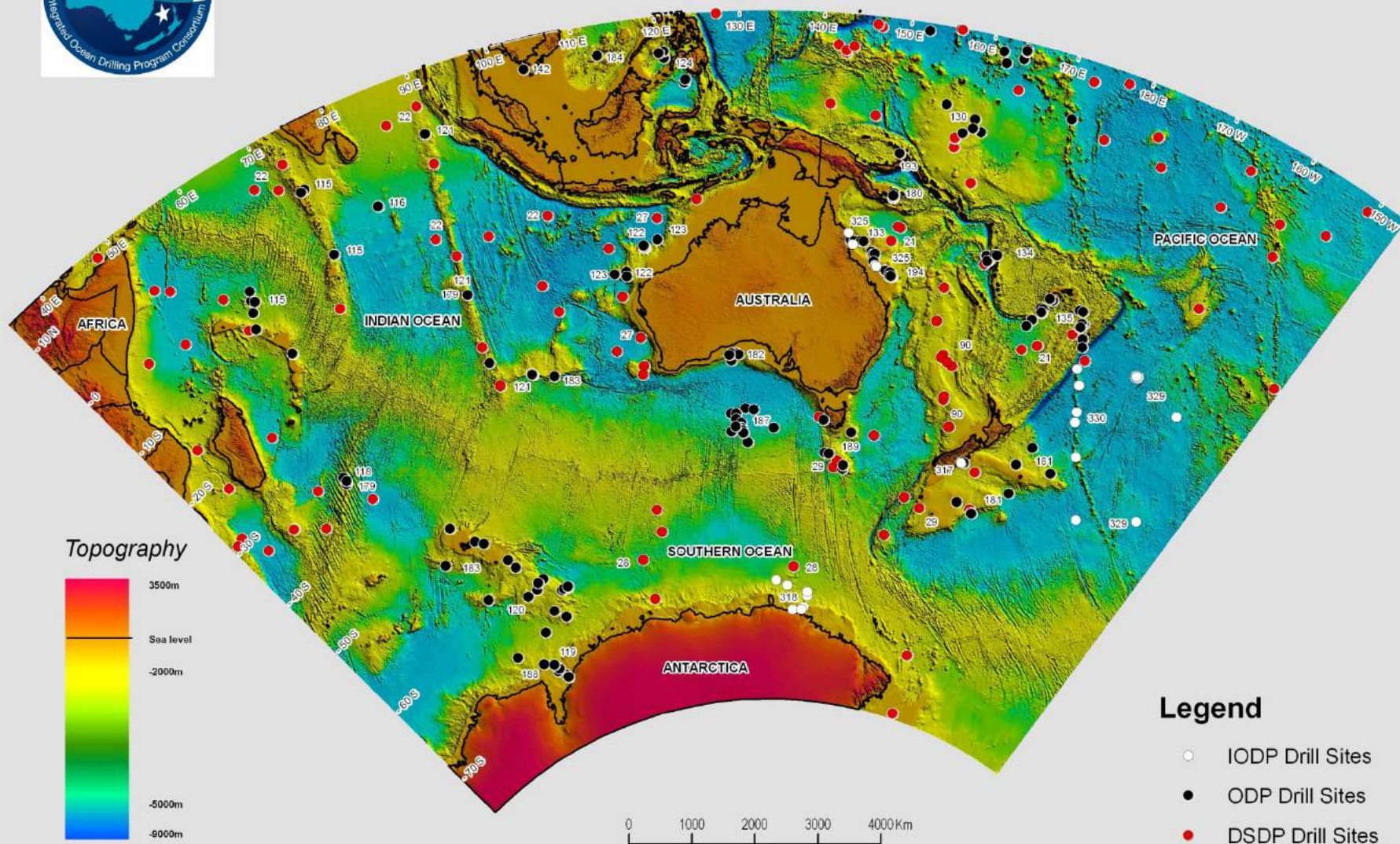
**Dr Leanne Armand**

Macquarie University, Sydney, Australia

*Naples, October, 2015*



## AUSTRALASIAN SCIENTIFIC OCEAN DRILLING: 1968 - 2013



# Current position

- Australia and New Zealand are committed members of IODP.
- In April 2015, we bid for ANZIC funding through the Australian Research Council for Aust \$2.2 M next five years:
  - to maintain the same level of memberships as at present,
  - we are financially supported by 20 universities and Government research institutions in our two countries,
  - the external reviews were very supportive,
  - we will know the result in the next few weeks.
- We would be surprised if we are not funded, but the question is: “At what level?”

# Exciting Science in our Region

- Three JR expeditions approved for 2016 and 2017: 362, 363 and 369.
- Several other JR expeditions likely in 2018: heavy proposal pressure.
- One MSP proposal approved for FY 18: 813.
- One *Chikyu* CPP (871) and one JR CPP (884) with SEP.
- Strong ANZIC involvement in regional proposals including lead proponents
  - About 9% of **all** extant proposals have ANZIC lead proponents



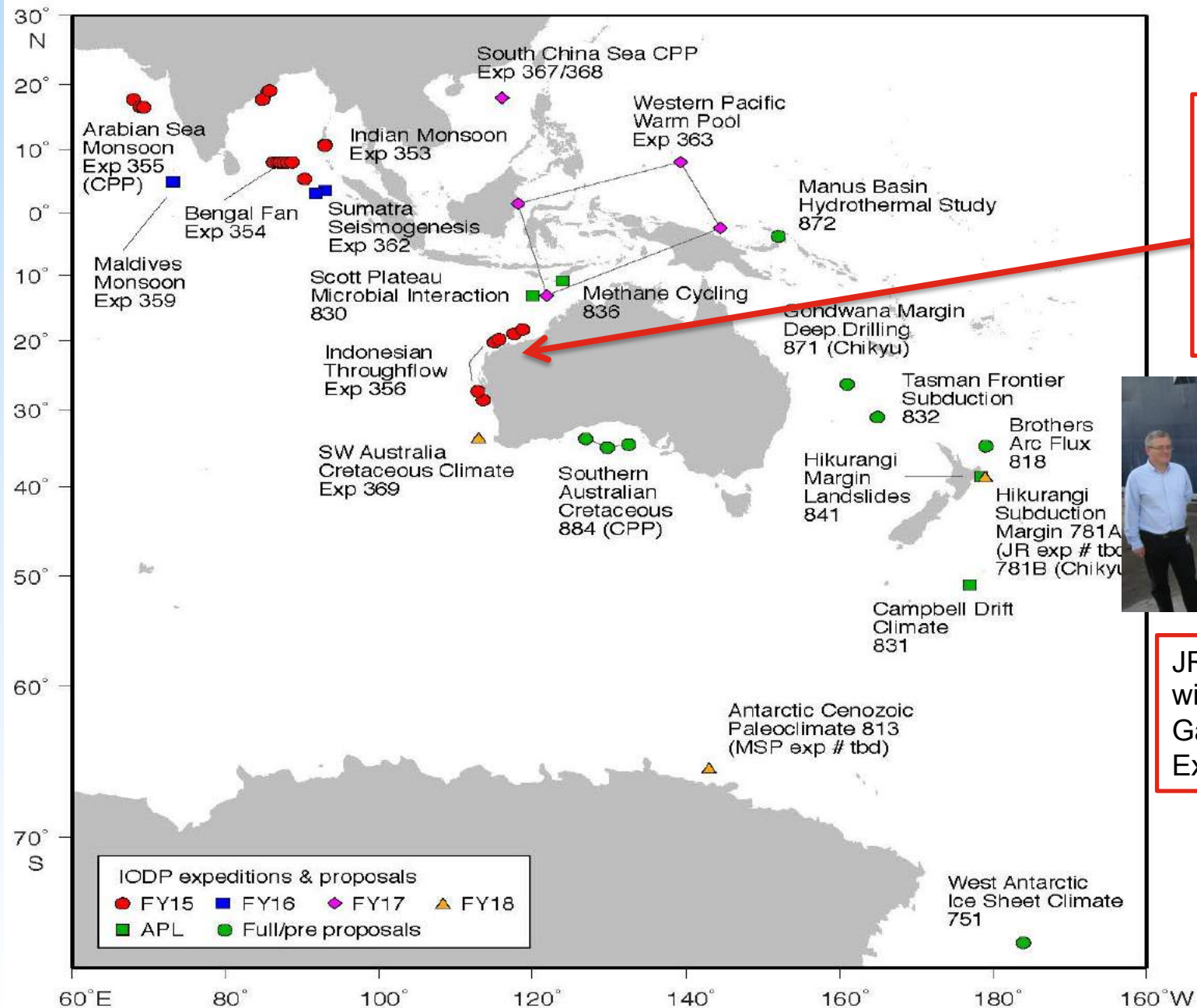
“Having all these expeditions going ahead or proposed is very exciting for ANZIC scientists, and has helped us in our bid for ongoing funding”.

N. Exon





# Very Recent Expeditions in the Australasian region

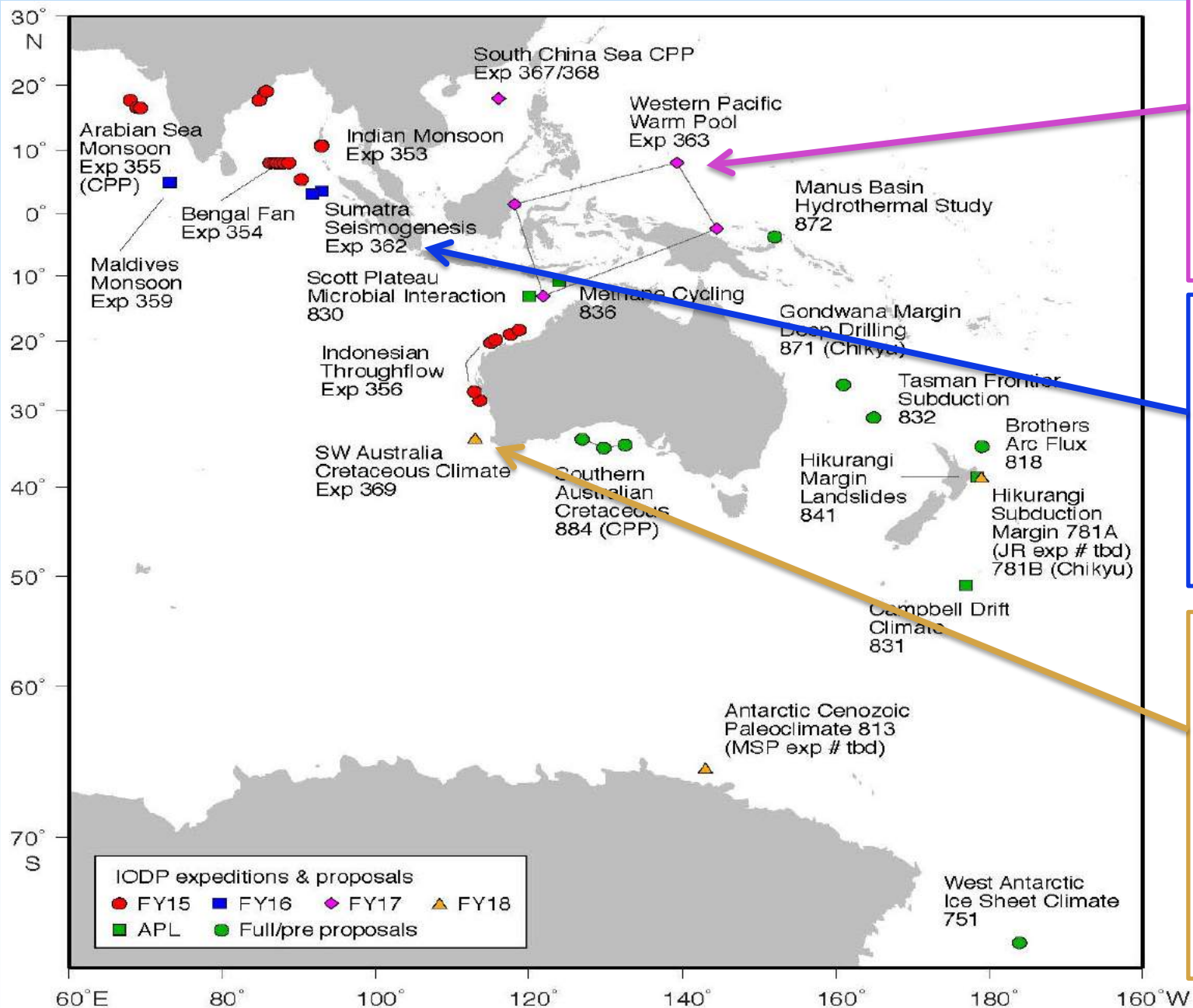


**356: JR**  
Indonesian  
Throughflow,  
successfully  
completed  
September  
2015.



JR Darwin Port call  
with Stephen  
Gallagher, Neville  
Exon and Ministers

# Scheduled Expeditions in the Australasian region

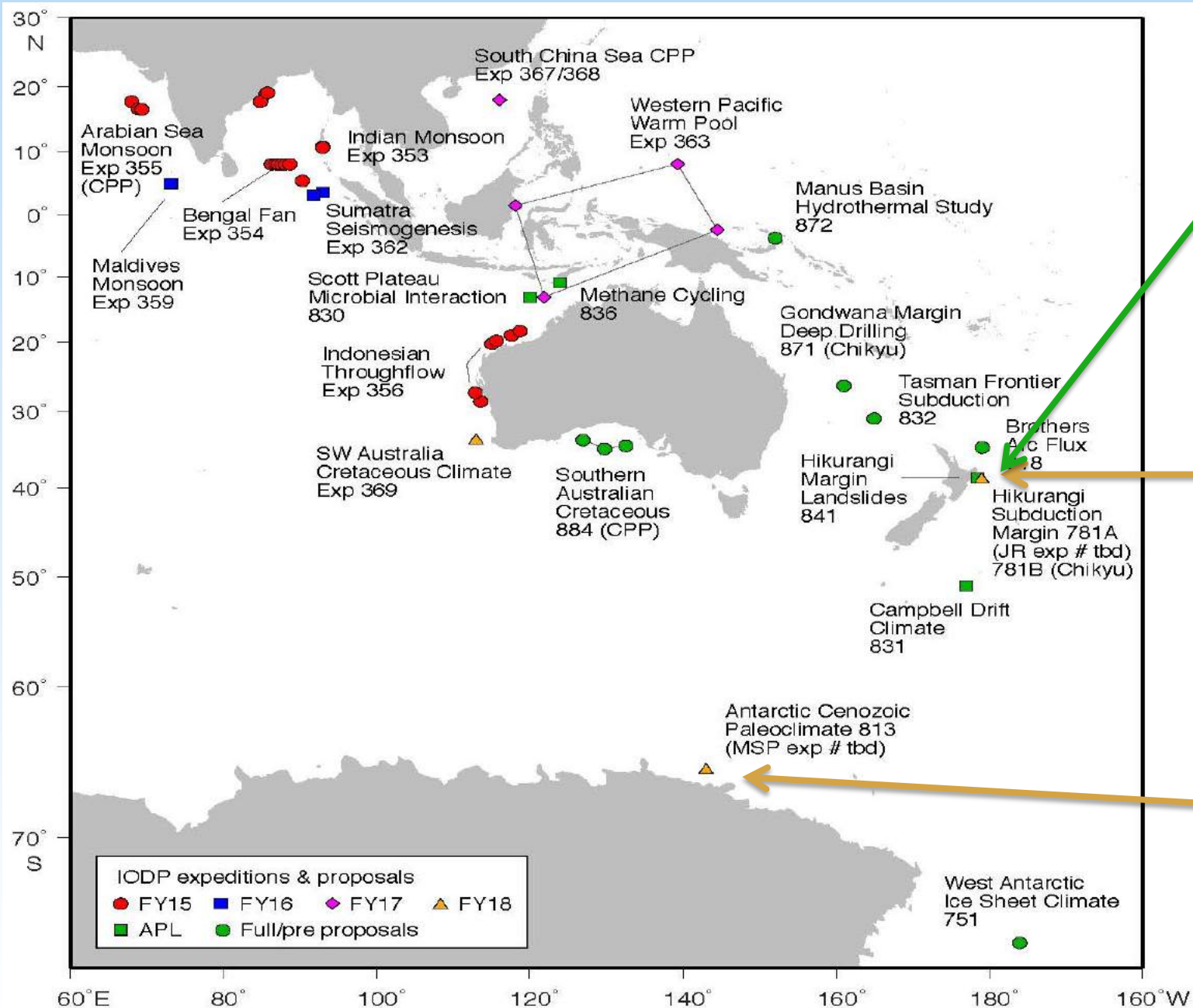


**363: JR**  
Western Pacific Warm Pool, scheduled for October-December 2016.

**362: JR**  
Sumatra Seismogenic Zone, scheduled for August-October 2016.

**369: JR**  
Australian Cretaceous Climate and Tectonics (SW Australia), scheduled for October December 2016.

# Planned Expeditions in the Australasian region

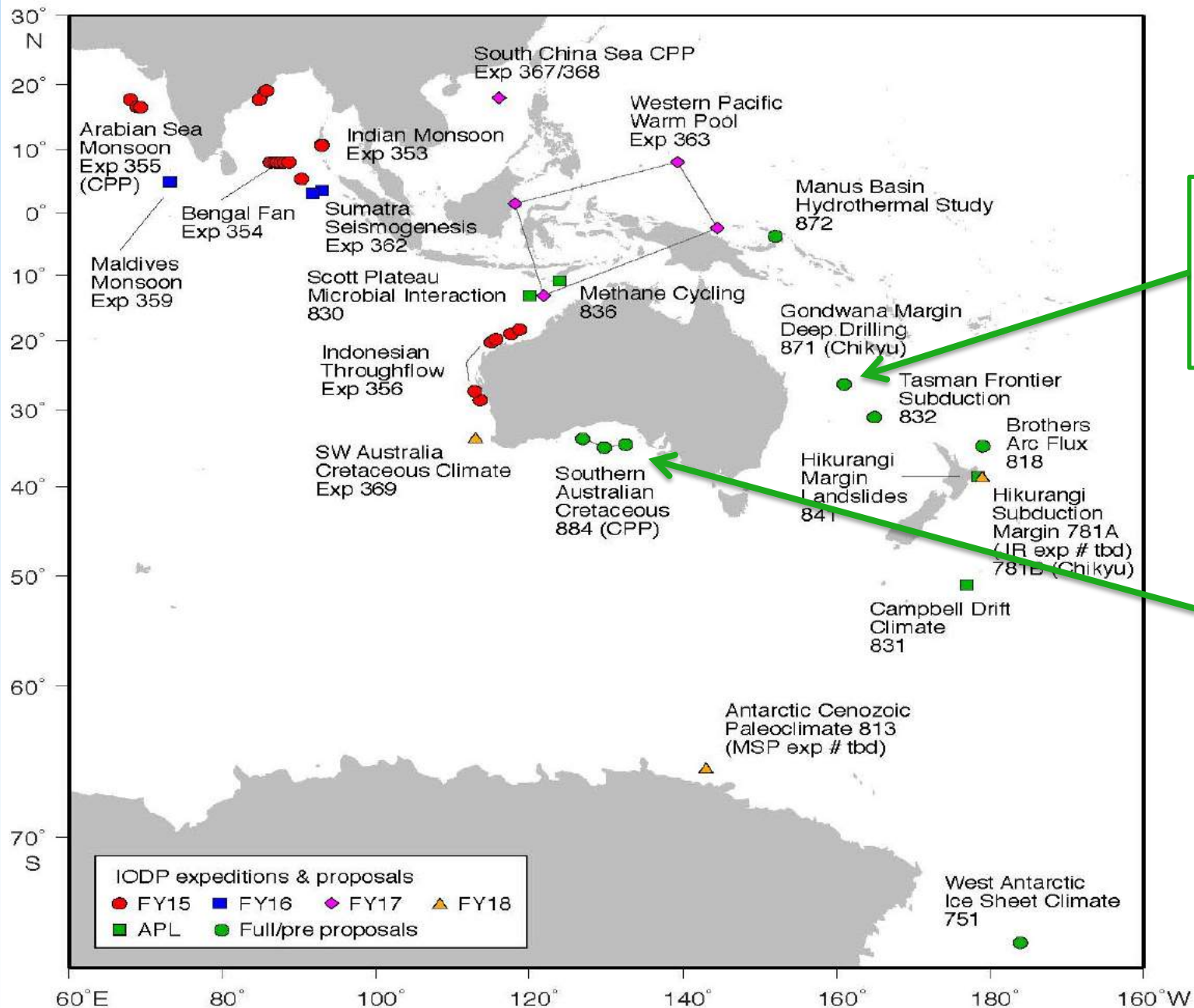


**781A: JR**  
Hikurangi  
Margin  
Observatory,  
planned for  
2018

**841: JR APL.**  
Hikurangi  
Margin  
Landslides  
(Ingo Pecher,  
Auckland) may  
be added to  
781A

**813: MSP**  
Antarctic  
Cenozoic  
Paleoclimate  
(Wilkes Land),  
planned for  
FY18

# With SEP - in the Australasian region

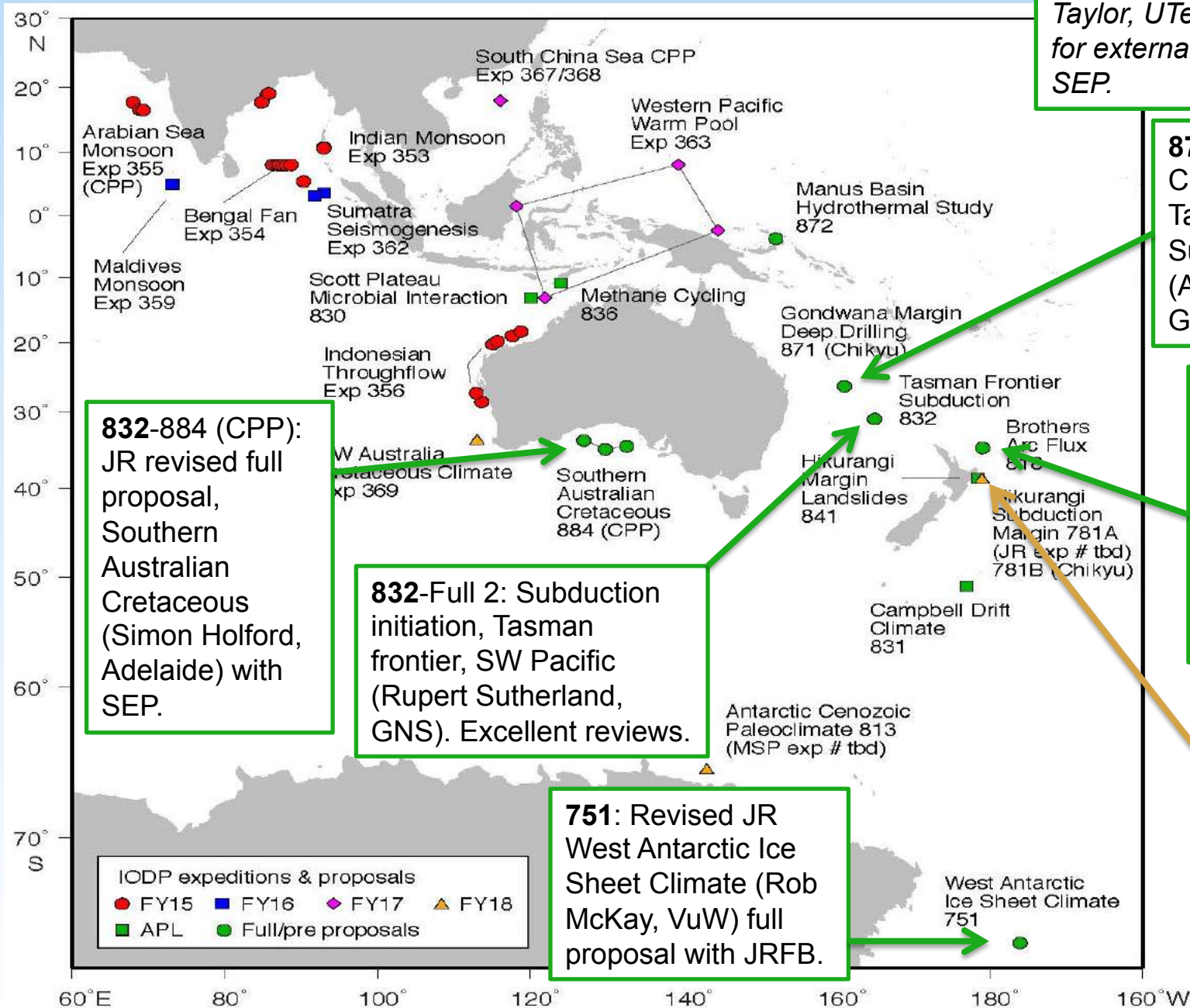


**Chikyu CPP (871)**  
Gondwana Margin Deep Drilling

**JR CPP (884)**  
Southern Australian Cretaceous



# Proposals in the Australasian region





## MNF overview



# Marine National Facility

Marine National Facility

- The MNF is a blue-water research capability, funded by the Australian Government.
- Under direction of an independent Steering Committee
- Owned and operated by CSIRO
- Available to Australian marine researchers and their international collaborators



# RV *Investigator*

Marine National Facility

## Blue-water research capability

- Length – 93.9 metres
- Beam – 18.5 metres
- Draft – 6.9 metres
- Range – 10,000nm @ 12k
- Endurance – 60 days
- Operating zone – tropics to ice-edge
- Number of scientists and support staff – 40
- Number of crew – 20 inc. trainees
- Three diesel engines, two propulsion motors
- Retractable bow thruster – DP1
- Underwater radiated noise – DNV Silent R
- Seismic capability with compressors on board.





# On-board

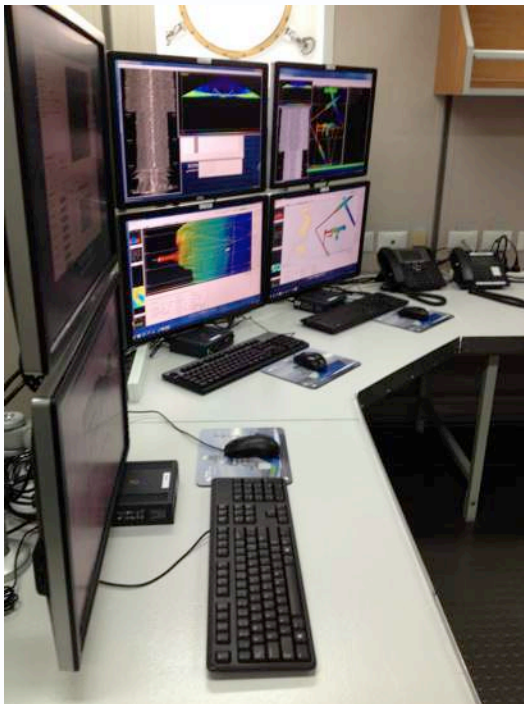
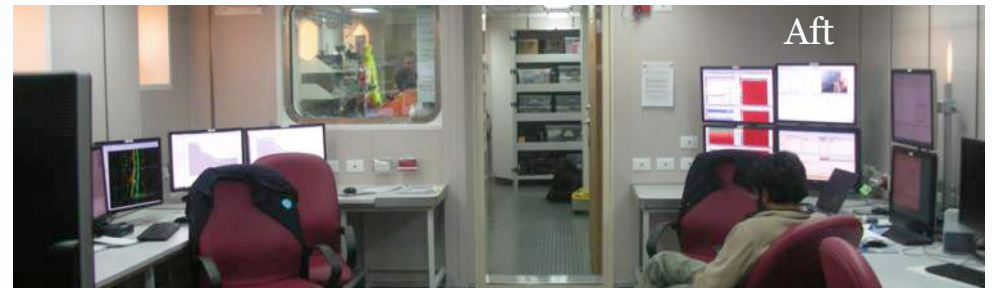
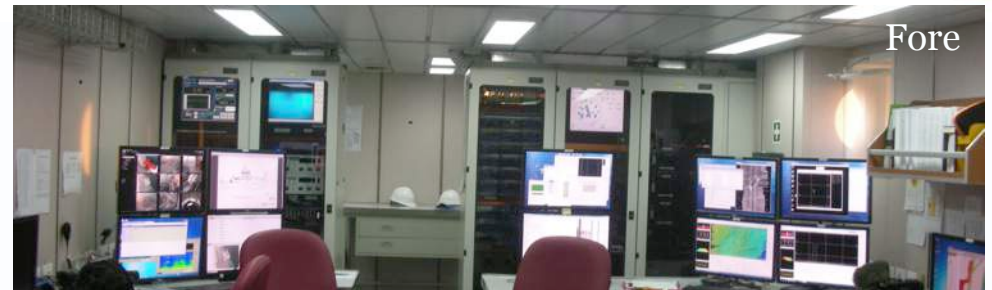
## OPERATIONS ROOM

Marine National Facility



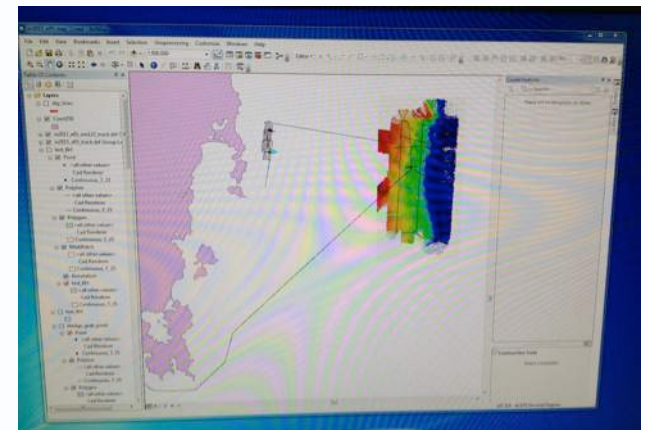
**Dr Tara Martin**

Group Leader:  
Data  
Acquisition,  
processing and  
management



**DEEP WATER  
(KONGSBERG  
EM122)**

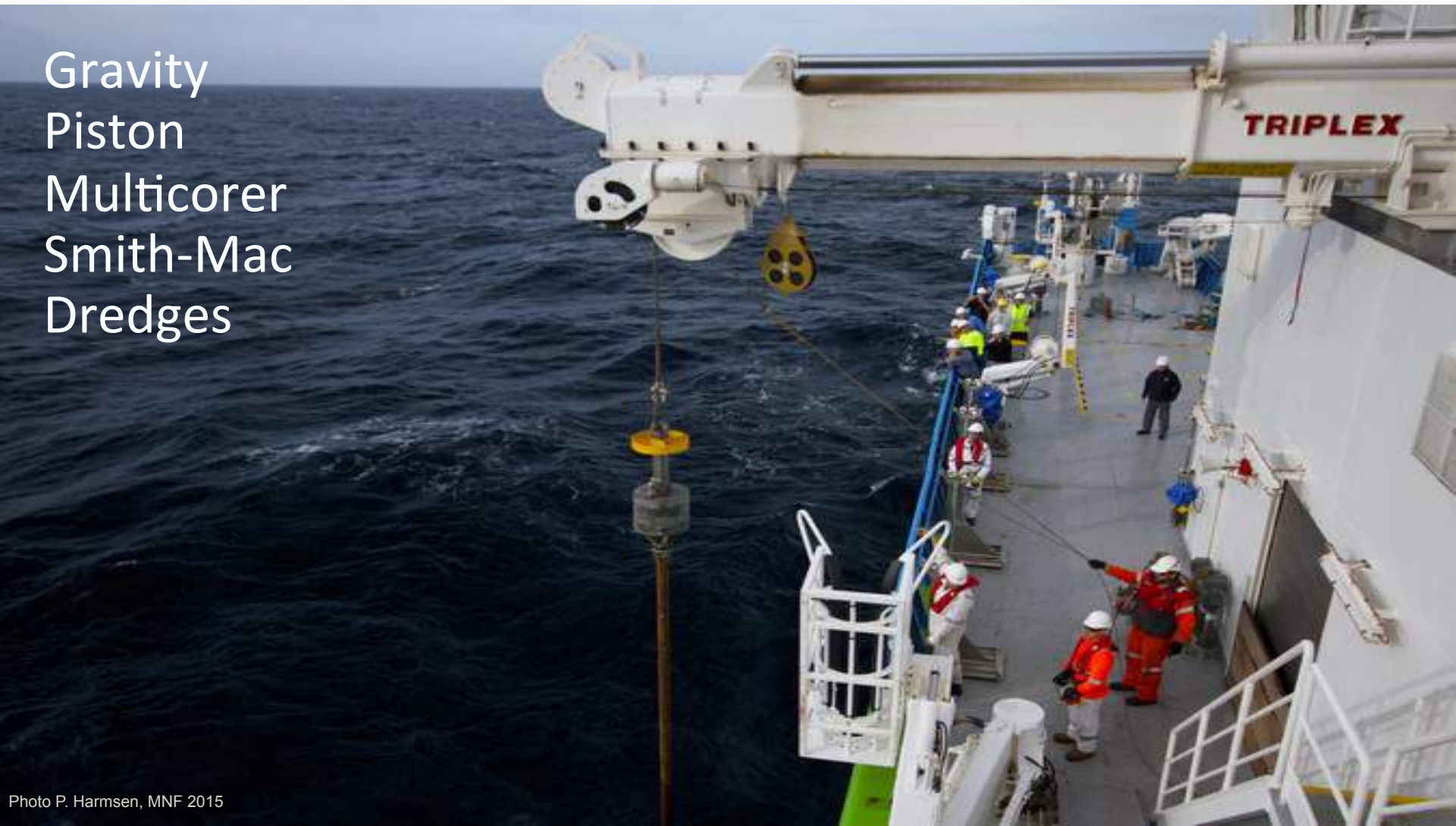
**SHALLOW WATER  
(KONGSBERG  
EM170)**



# Coring

Marine National Facility

Gravity  
Piston  
Multicorer  
Smith-Mac  
Dredges



# MNF applications process

Marine National Facility

## Three ways to access *Investigator*

Applications for sea time are called two years ahead and voyages scheduled every financial year

- Primary applications process – primary schedule (competitive)
- Supplementary applications – fill unused capacity (competitive)
- Piggyback proposals – use any remaining capacity (opportunistic)

## Principles of Access document ( i.e. pricing approach).

- The MNF is open to discussions around the use of *Investigator* outside the MNF funded 180 day schedule, and that scientific research in the national interest (research charters) will have priority and lower pricing over other potential charters.
- **IODP falls into this category.**



# Queries?

Marine National Facility

- Contact the Director: Ron Plaschke
  - [Ron.Plaschke@csiro.au](mailto:Ron.Plaschke@csiro.au)
- Contact Leanne Armand (here) to obtain fliers on ship and capabilities.

