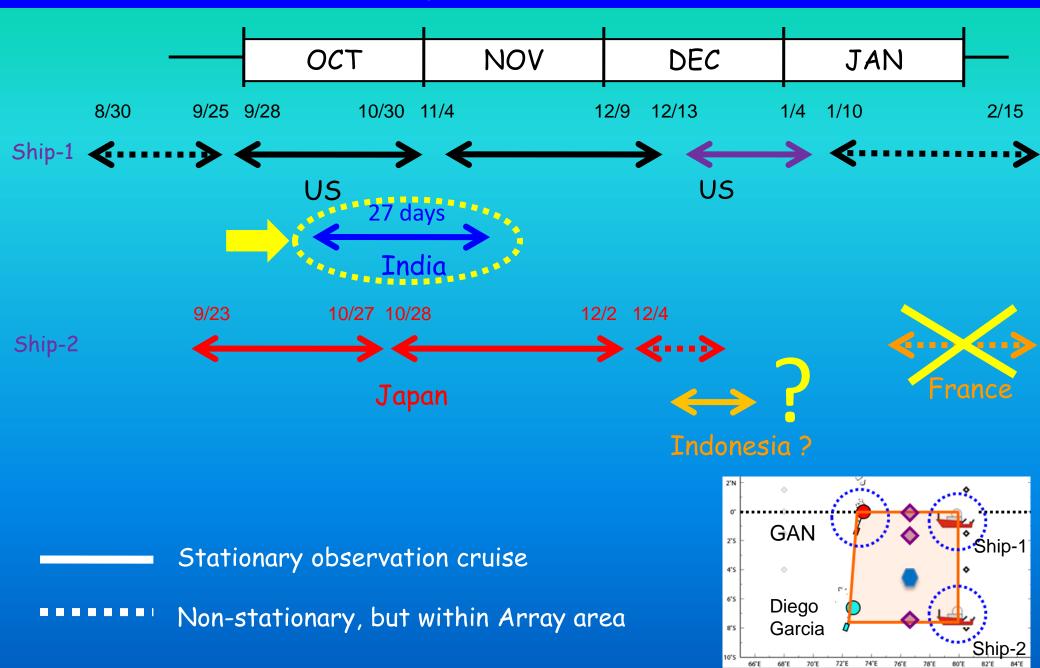
# Update on CINDY2011

Kunio Yoneyama (JAMSTEC)

Good News & Bad News for Observation Network

Ship-time
 Land-based Sounding Sites
 Others

## Ship Rotation Plan



# India

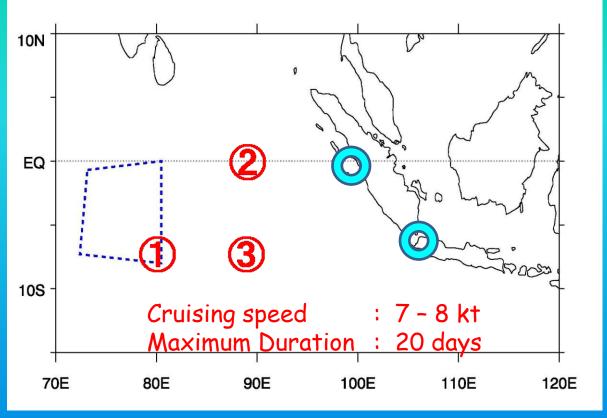
#### PIs : Dr. S. Prasanna Kumar & P. M. Muraleedharan (NIO)

"27-days" ship-time for ORV Sagar Kanya has been allotted. However, since the approved time slot was Sep 24 – Oct 24, re-scheduling to the period of Oct 15 – Nov 15 is being negotiated/coordinated. SK will occupy (0, 80.5E) while Roger Revelle must leave for calling at port. During other periods, Sagar Kanya is expected to occupy (0, 77E) site.

Observations Radiosonde (4/day) Surface Meteorology CTD with water sample for biogeochemical analyses (T, S, dissolved oxygen, Fluorescence, chlorophyll-a, Nutrients (nitrate, phosphate, silicate), pH) ADCP



# Possibility of Indonesian Ship "Baruna Jaya - III"



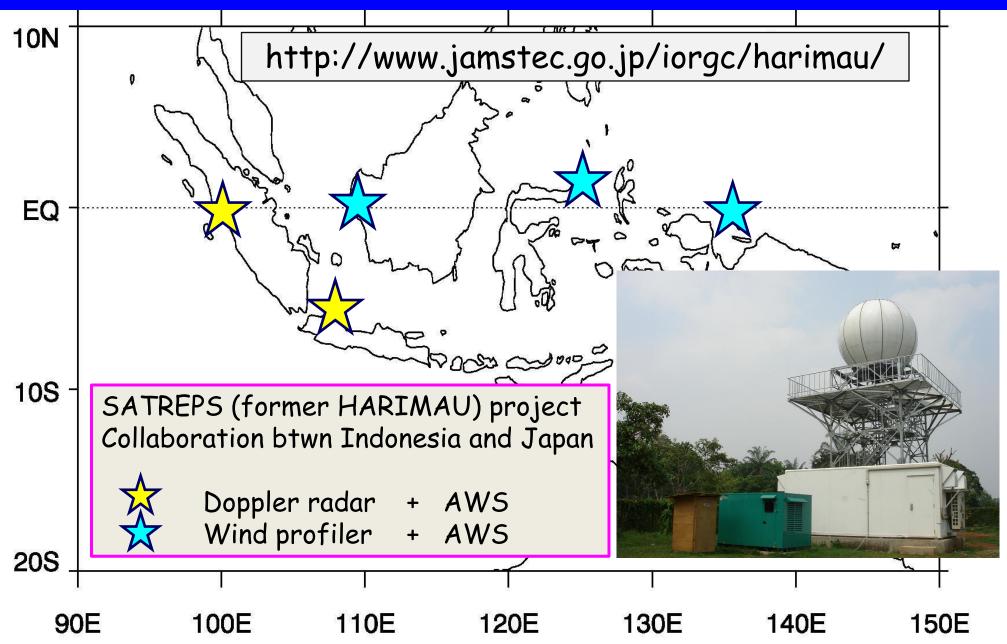
Plan - 1 : (80E, 8S) Plan - 2 : (90E, EQ) Plan - 3 : (90E, 8S) week on station
 weeks on station
 weeks on station

#### Remarks.

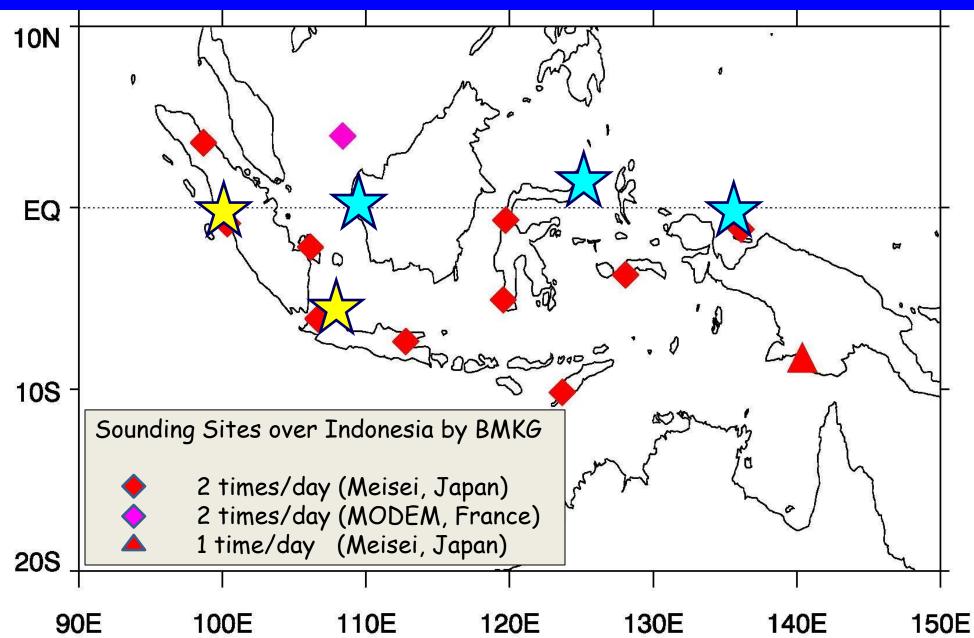
Additional observations are needed.



# Indonesia



# Indonesia

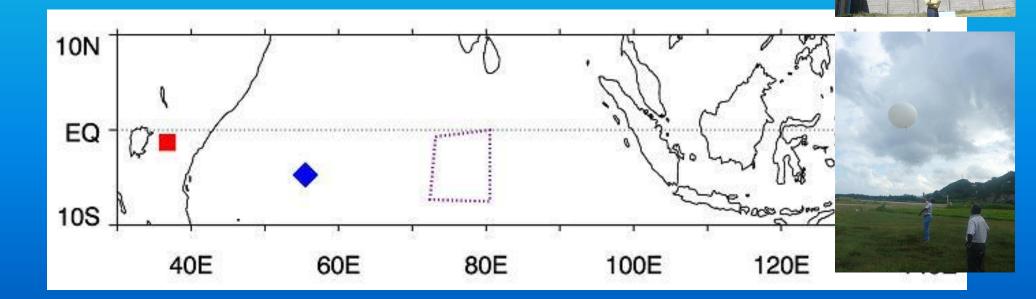


#### Seychelles & Kenya

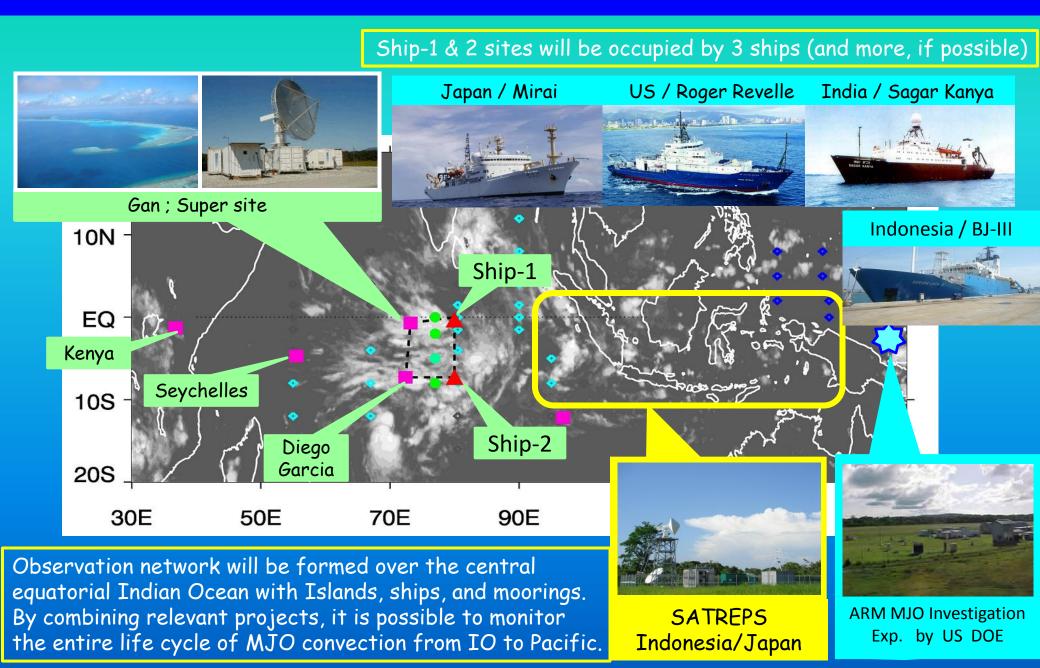
Enhanced Radiosonde sounding will be performed by Seychelles National Weather Services and Kenya Meteorological Department as upwind sites.

Kenya Seychelles

2 times/day (Oct - Jan) 4 times/day (Nov; 5 weeks) 2 times/day (Oct, Dec-Jan)



#### Observation Network of CINDY2011 / DYNAMO + Collaborative Projects



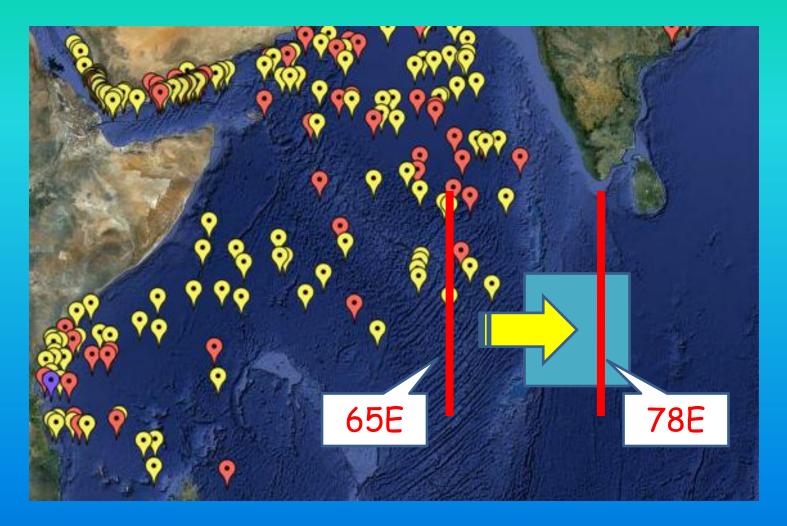
### Other good news and bad news

French project related to Megha-Tropiques
 Aircraft (Falcon 20) observation based at Gan
 Numerical model studies
 x But ship observation was not funded.



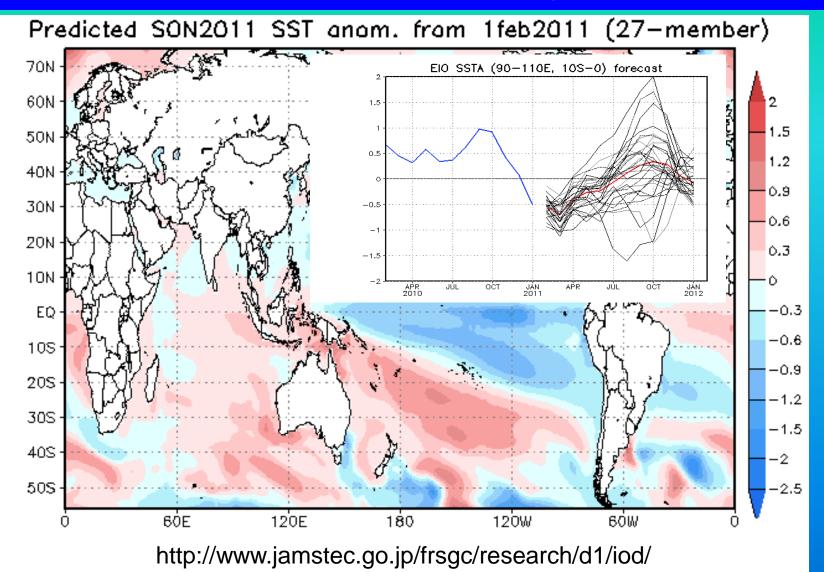
- Tropical DISGO project by UK (Univ. East Anglia) was not funded. But they are still looking at the possibility to deploy "one" glider.
- Soundings at Male, Maldives
   Possibility of CSU Sounding system deployment
- 4) Soundings at Colombo, Sri Lanka
   Currently, 3 times/week sounding is conducted.
   M. Katsumata (JAMSTEC) will visit Sri Lanka for coordination in March
- 5) Chinese participation ? There is a SLIGHT possibility of Chinese ship participation in C/D by sending their ship in January 2012. BUT their final decision will be made in NOVEMBER 2011.

### Piracy Problem ???



War Risks Zone to be expanded from 65E to 78E as attack area grows. If decided, JAMSTEC ship may need to pay much for insurance ... It may affect the deployment of ADCP sub-surface mooring at 55, 77E.

## Seasonal Forecast (SON 2011) by SINTEX-F



Weak negative IOD is predicted by a Global Ocean-Atmosphere Coupled Model "SINTEX-F".