



**OBSERVATION FACILITIES
CONTRIBUTING TO AMY IN
INDONESIA**

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THE 1ST MAHASRI/AMY WAORKSHOP

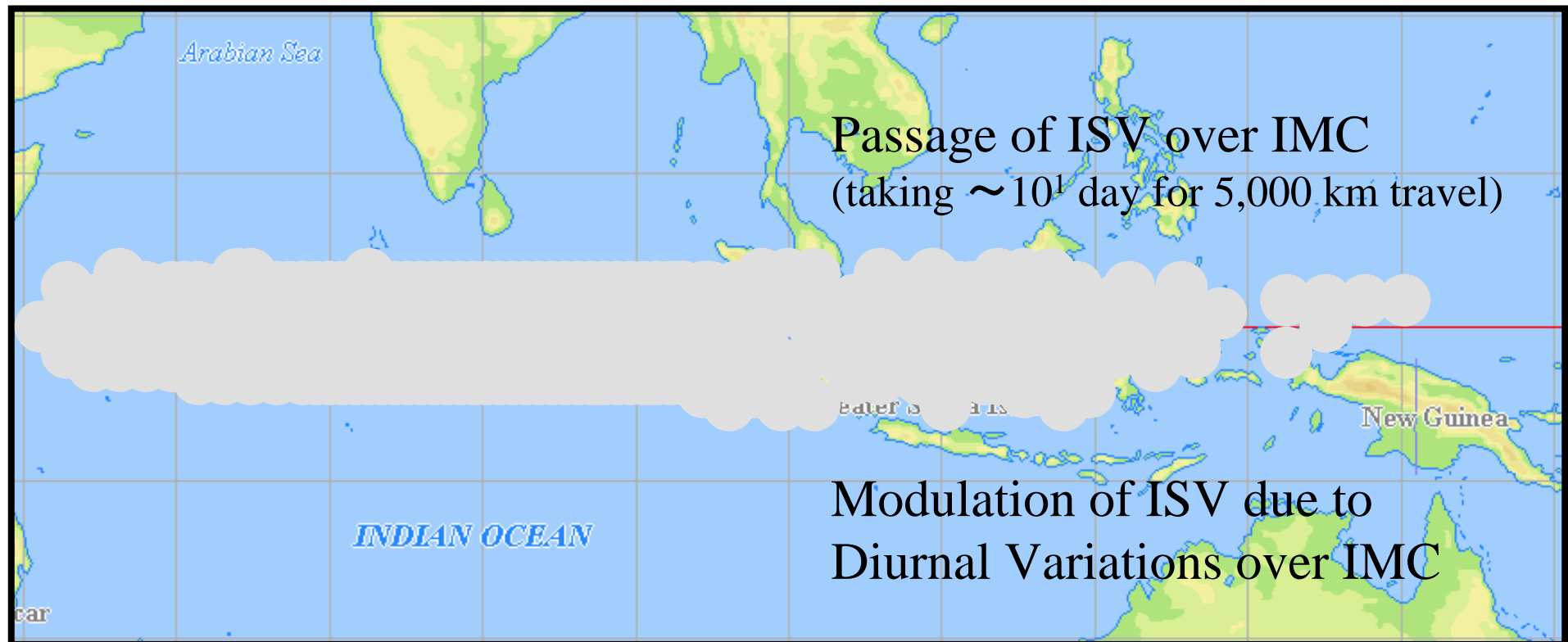
Tokyo, 8 January 2007

Objectives:

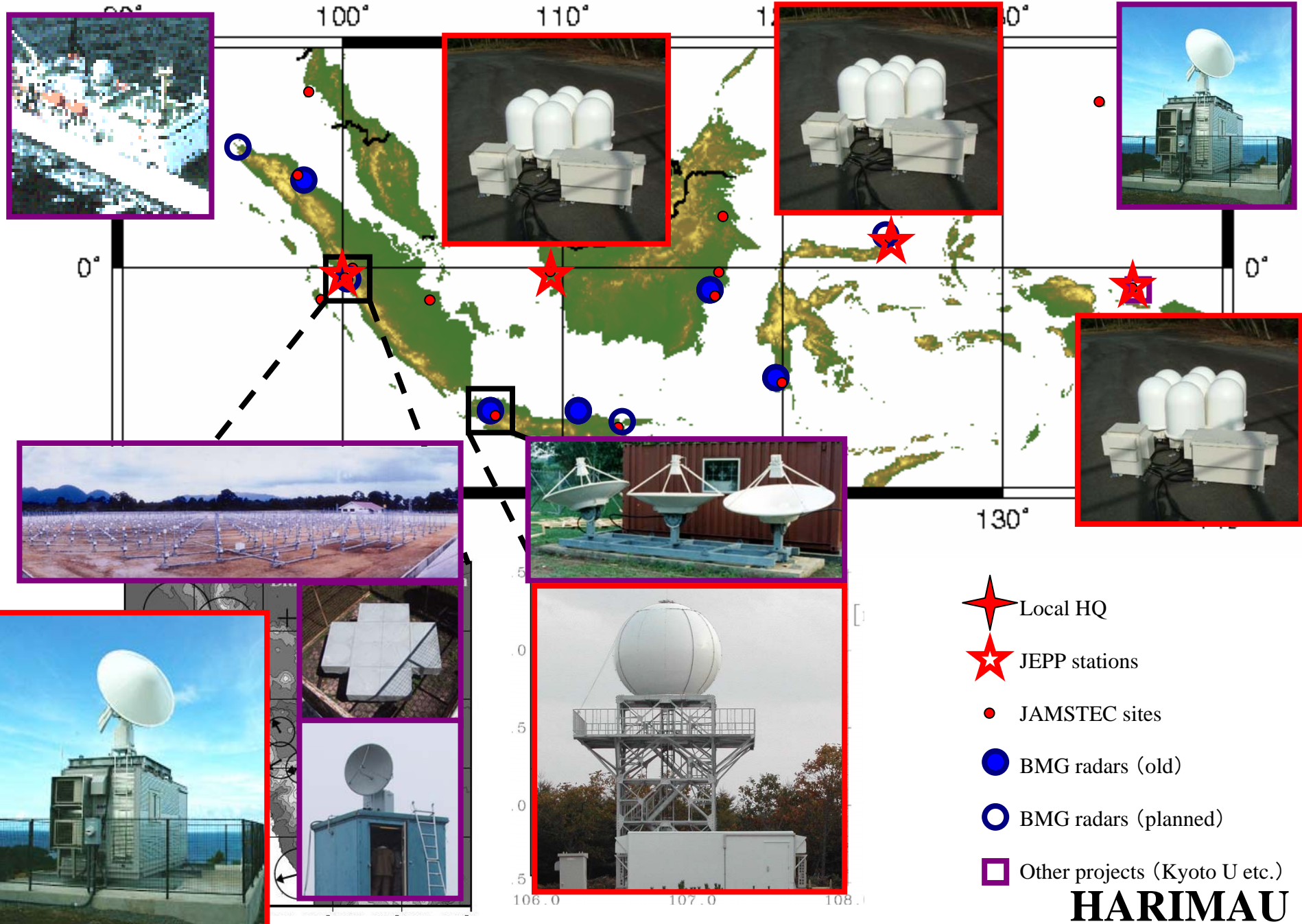
To reinventing the HARIMAU goals by optimizing any related international ocean-atmosphere programs.



HARIMAU



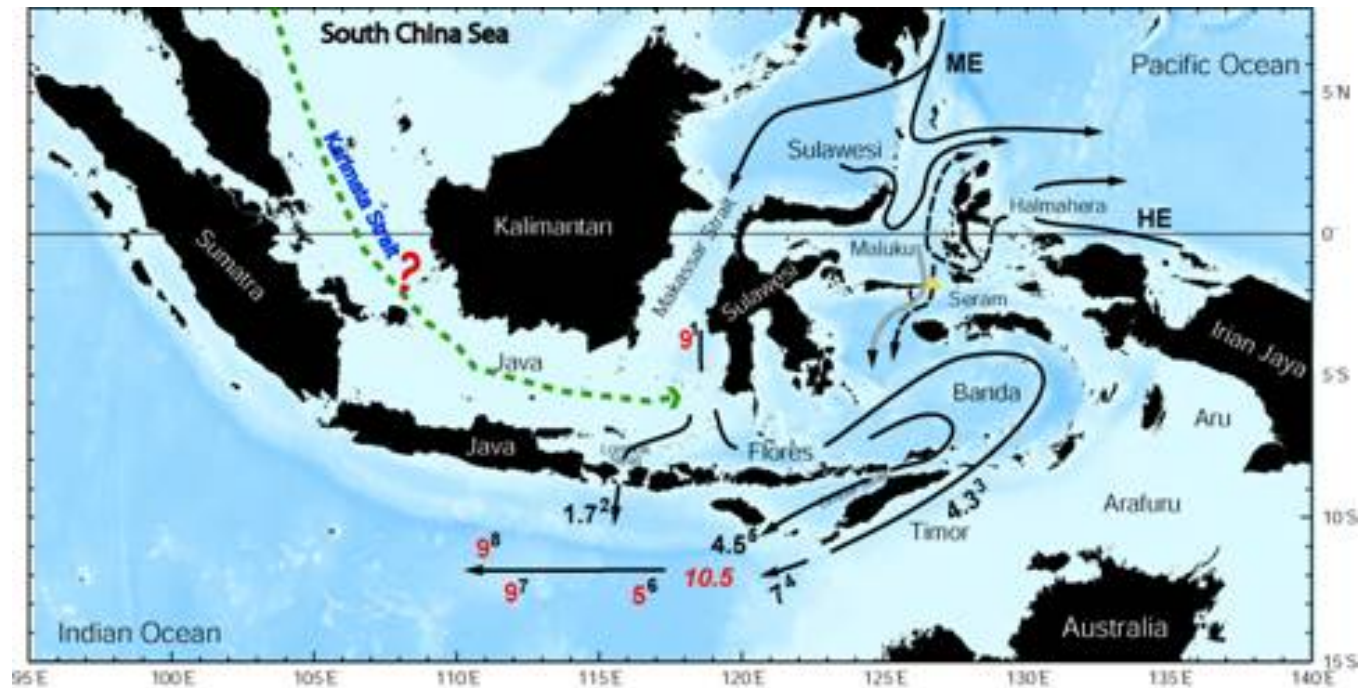
Hydrometeorological Array for ISV-Monsoon Automonitoring (HARIMAU)



HARIMAU

INSTANT

[International Nusantara Stratification and Transport]

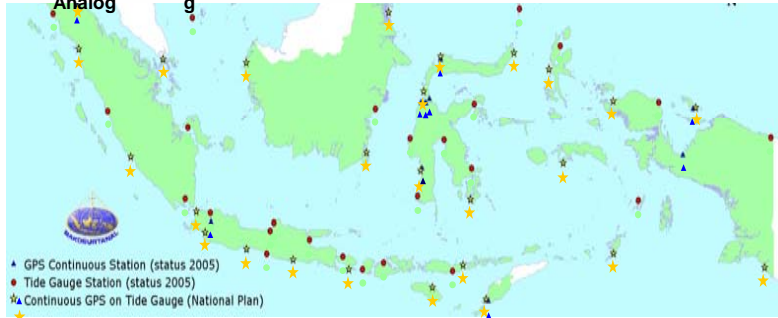
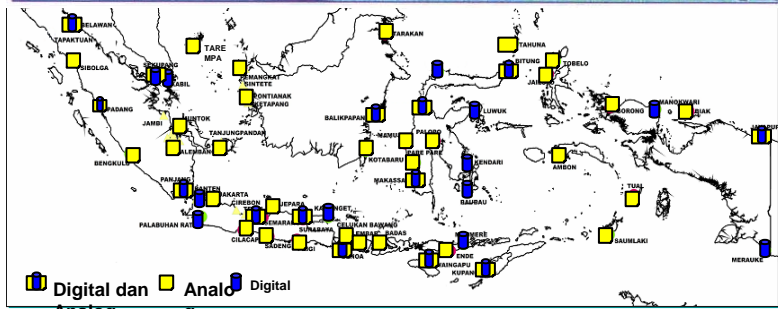
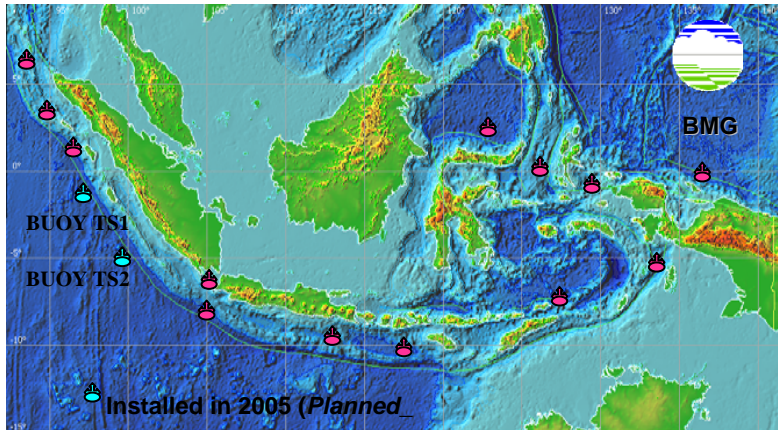


Institution Participants: DKP, BPPT, LIPI, USA, France, Australia, Netherland



Ocean-Atmosphere Research Facilities in Indonesia

MARINE RESEARCH FACILITIES



1. BRKP - DKP
2. BAKOSURTANAL
3. LAPAN
4. BMG
5. DISHIDROS
6. BPPT
7. LIPI
8. MGI - DESDM

Wahana K/R
BPPT & LIPI

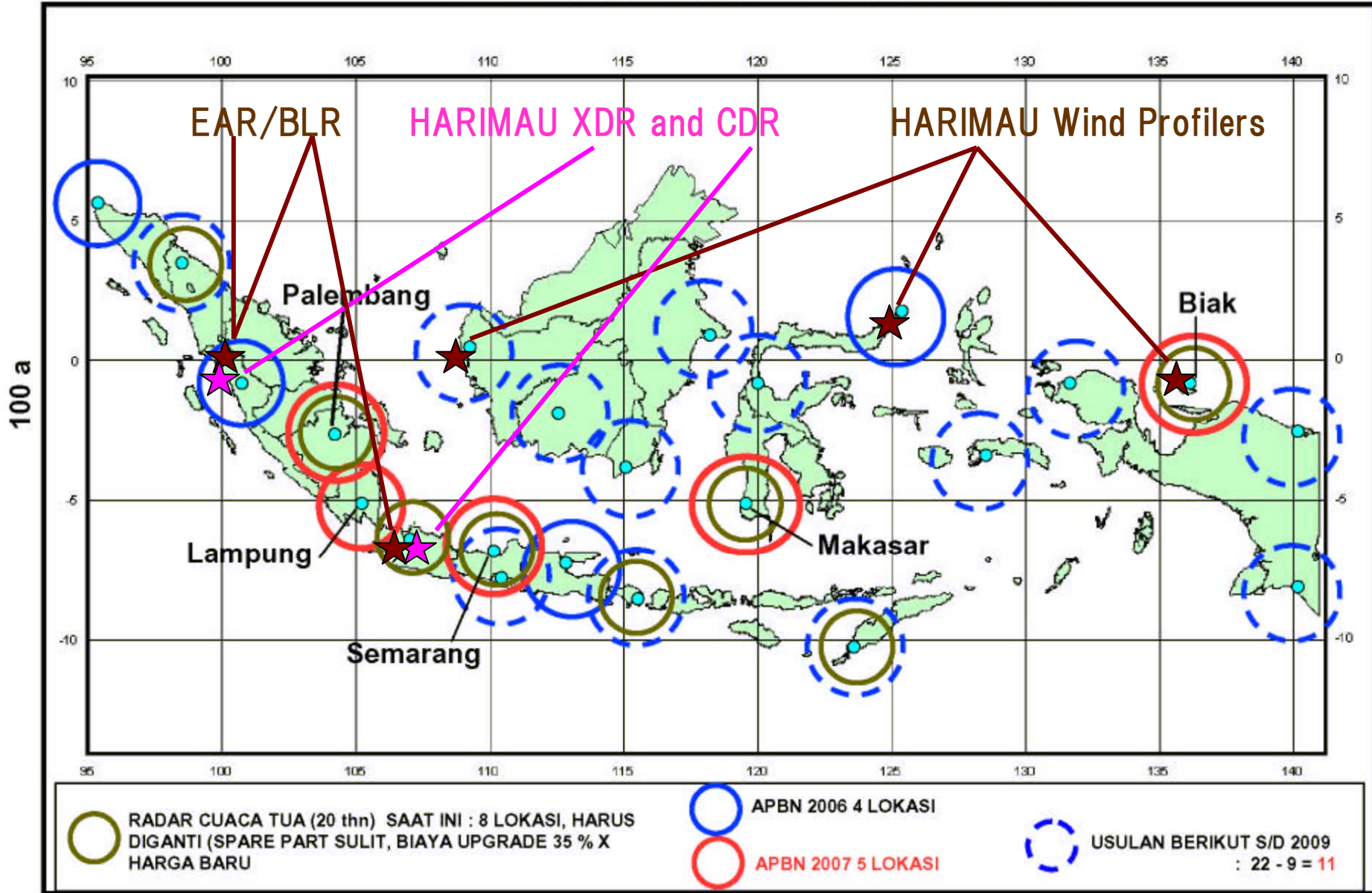




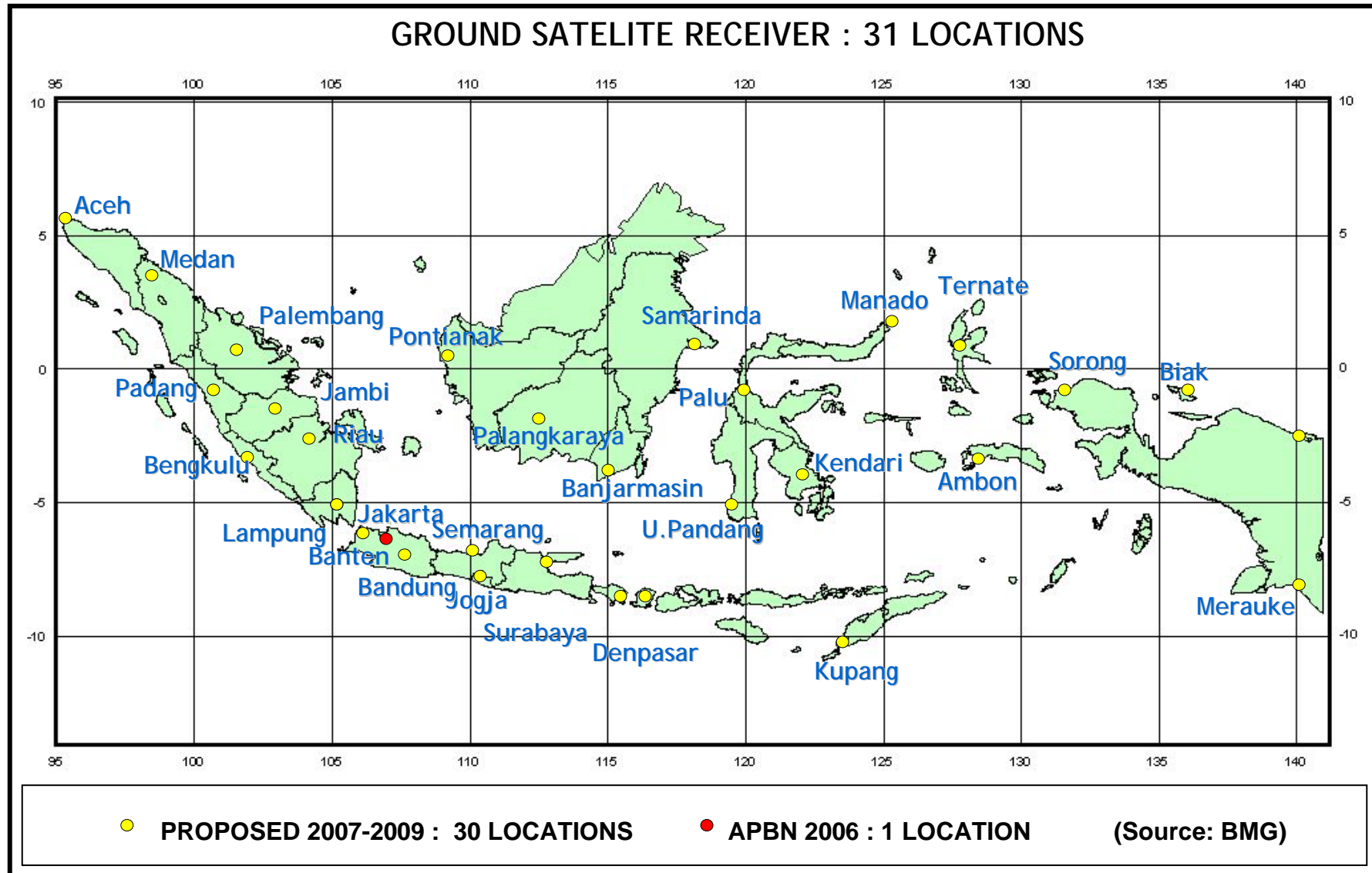
BMG

Climate RADAR C-Band - network

JUMLAH IDEAL RADAR CUACA : 22 LOKASI



GROUND SATELITE RECEIVER- NETWORK



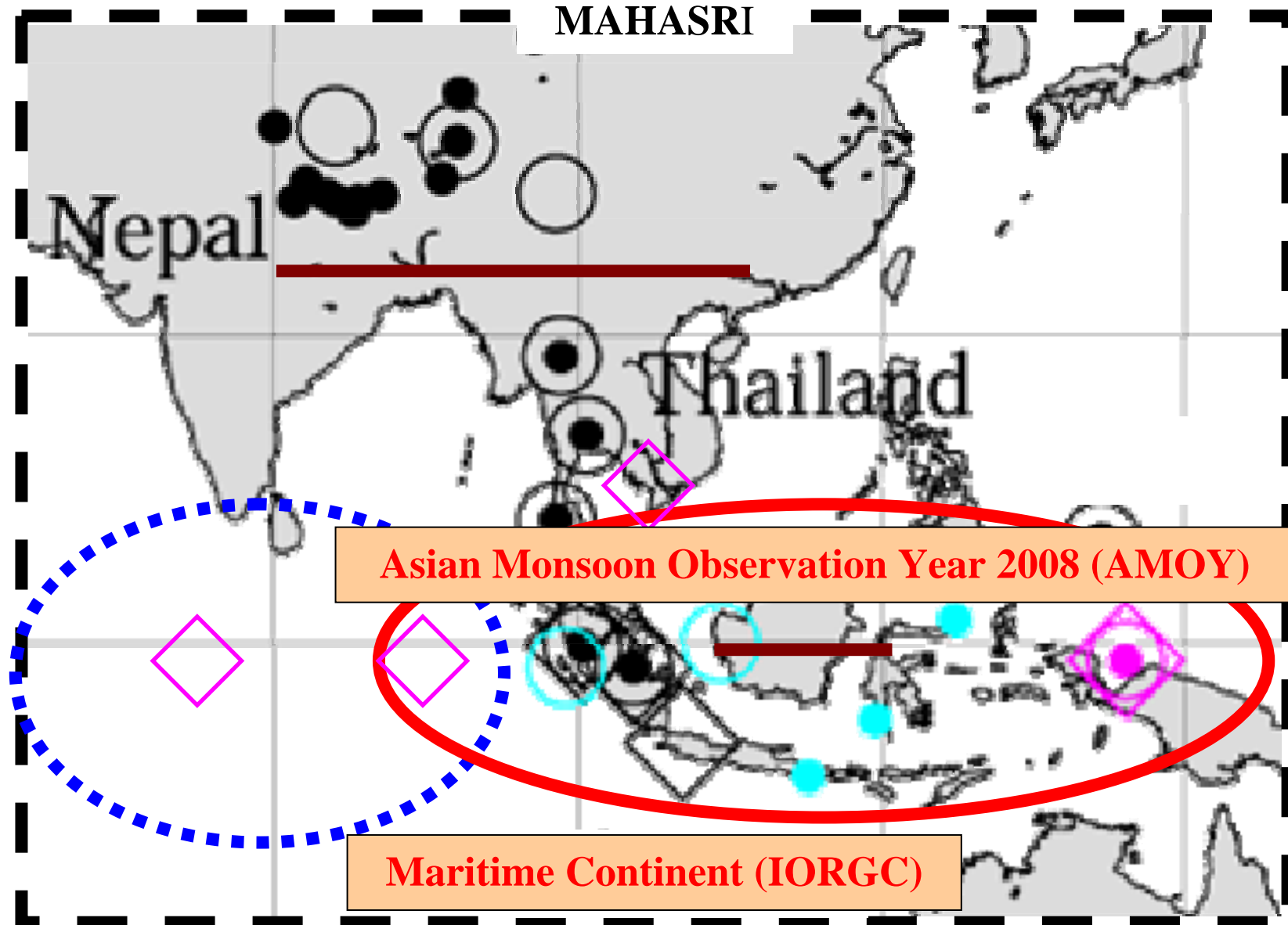


**WHERE WE GO FOR THE NEAR FUTURE
HARIMAU RESEARCH ACTIVITIES?**

Founded locations following the key science issues of MAHASRI:

1. Atmosphere-ocean-land interactions in the Asian monsoon system (e.g. diurnal local circulation over Makassar strait).
2. Effect of various-scale orography on monsoon rainfall and scale-interactions among diurnal, synoptic, intraseasonal and seasonal variability of Asian monsoon (utilization of radio sonde, radars, AWS, GPS facilities around west Sumatra).
3. Effect of human influences (i.e., aerosols, land-use change, and greenhouse-gas increase) on hydro-meteorological variations in the vicinity of Indonesia Maritime Continent

INTERNATIONAL AMY AND IOP 2008-2009



Proposed AMOY (Asian Monsoon Observation Year) 2008



Promoting Remarks

- *How big the freshwater budget over Sumatra and West Kalimantan supply to the Java Sea.*
- *Need to be address the effects of ITF to local diurnal circulation over Makassar Strait.*
- *Utilization of radar atmosphere for more social application (agriculture, tourism, aviation, etc).*

