WG4; Ocean Observation and Society

Co-Chairs;
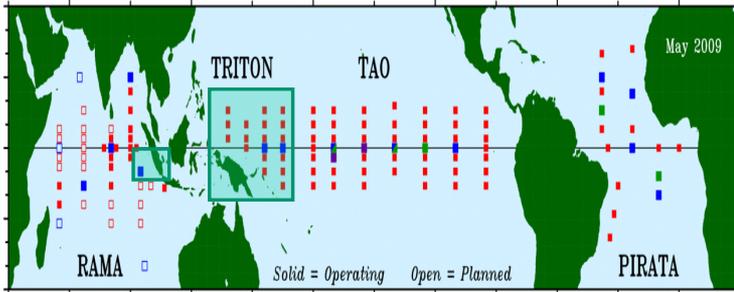## Masao Fukasawa*, Satheesh C. Shenoi**,
Keisuke Mizuno*

* Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
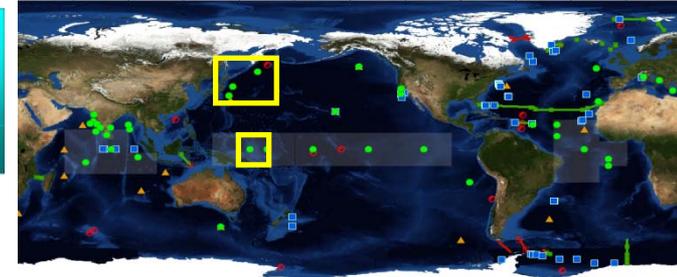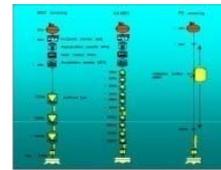**** Indian National Centre for Ocean Information Services**
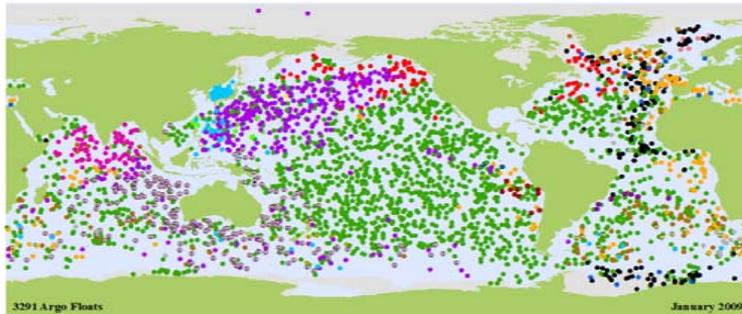- **(INCOIS)**

Global Ocean Observation (– Blue water –)

GCOS/GOOS Observing System

Equatorial buoy array

Ocean SITE (BGC ,CO$_2$ flux time series)

Argo

Repeat Hydrography

GCOS Global Climate Observing System

GOOS Global Ocean Observing System
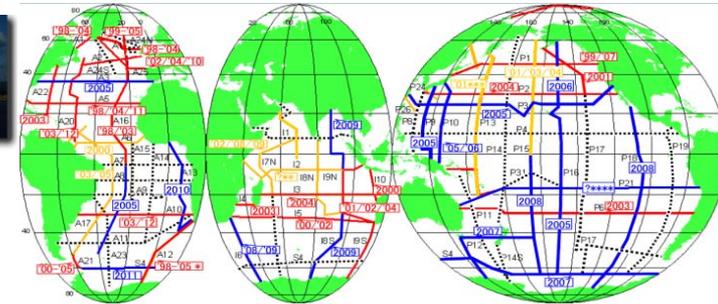
THE GLOBAL EARTH OBSERVATION SYSTEM OF SYSTEMS
INFORMATION FOR THE BENEFIT OF SOCIETY
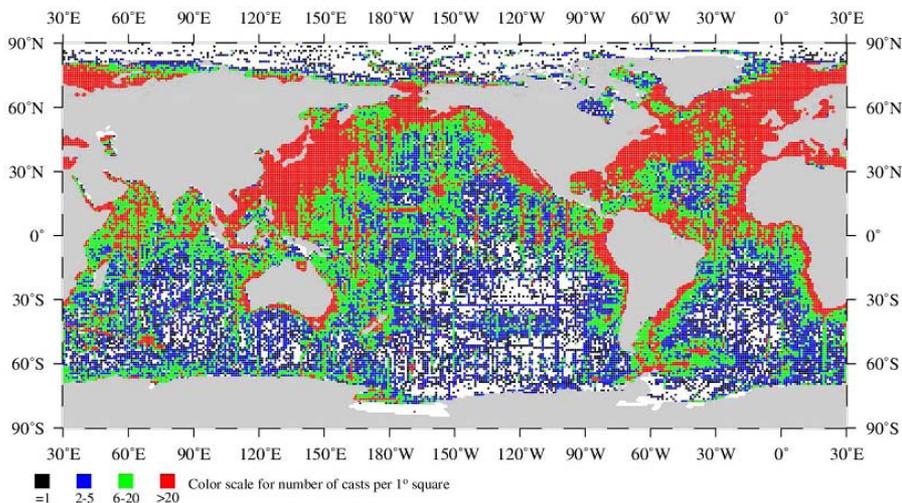
Coastal Observation (– Green water –)

Historical Ocean data distribution

Ocean Standard Depth casts (WOD09)

Sea Surface Current Prediction
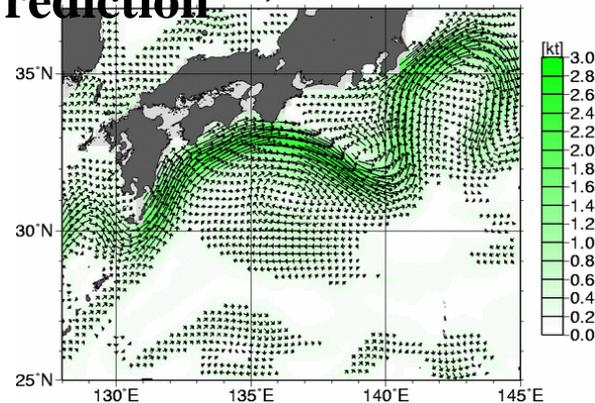
Forecast of the Giant Jelly Fish
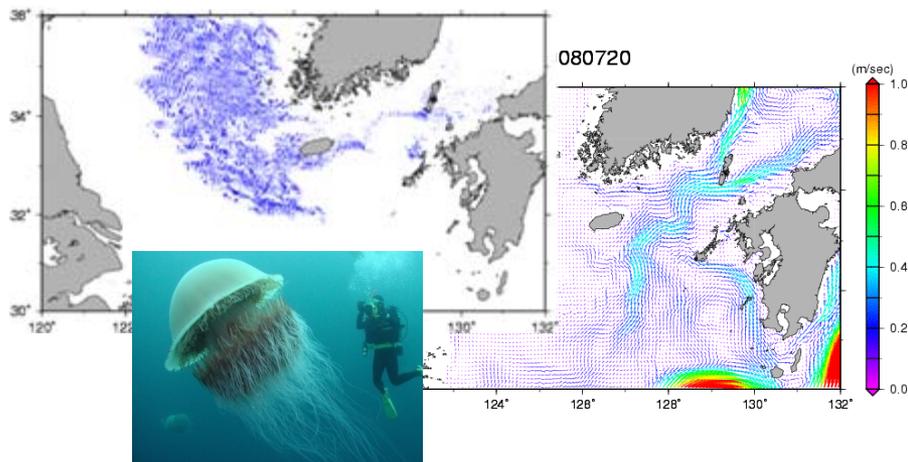
Ocean observation in Green water

- ·Enormous effort for coastal ocean obs.
- ·Various kinds of societal requirement for coastal monitoring & prediction
- · Linkage to Global data is essential
- · Regional Alliance for data sharing is essential to meet many needs

Aims of this session Observation

- **To share possible contributions of data integration to social benefits**

- **To learn status of data collection and dissemination in each international program and country**

- **To start the discussion on and to share the ideas on how to disseminate and integrate the coastal ocean observation data with the blue water data**

Outline of the session

Session 1: Present status of Ocean observation
      (GCOS oriented projects in blue water)

Argo/Repeat Hydrography/Buoy array and their Data System

Session 2: Present status of Ocean observation
      (Regional/domestic projects in green water)

Regional Observing/Data System

Session 3: Toward Social benefits
      (Linkages b/w Observation/Societal Benefit)

Lesson from actual cases of ocean services for the society

Points for Discussion

- What observation & data system are required for the society?

- Way to disseminate and integrate ocean obser-vation data <u>in green water</u> with <u>blue water</u> data

- Necessary actions