

Introduction of the Ocean, Coasts,
and Islands (OCI) Task Group Session

Introduction

This new task, Ocean Coast and Islands (OCI) has the following objectives:

- 1) To provide a regional mechanism to advance and exploit synergies among the many observational programmes devoted to islands, coasts and oceans of the Asia-Oceania region;
- 2) To articulate regional user needs from Earth Observations and raise awareness of the societal benefits of ocean observation;
- 3) To seek to address gaps in user needs in the Asia-Oceania region to evolve a comprehensive and integrated observation data or inventory system for the region;
- 4) To continue development of, and cooperation for, a data inventory system, and facilitate sharing of data, tools and products, and
- 5) To link with other GEO Initiatives (e.g. Blue Planet, GFOI, GEOGLAM and other AOGEOSS tasks) to develop regional data hub and coordinate regional activities and integrated products.

Three aims and two home works in this working session

Bearing on mind of SDG14, we aim to:

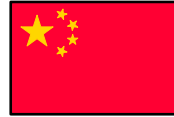
- 1) promote development of and expand the data inventory system of AP-ONS;
- 2) articulate user needs from island and coastal regions and possible societal benefits of EO data, and
- 3) seek linkages with AP-Marine-BON (M-BON) community for further development of data inventory and data system.

We are also requested to report our mapping on the SDGs, and also input to the draft Kyoto Statement based on the discussions above three issues and mapping.

Current situation of Data site of Asia Pacific countries



Australia



China

As a member of NEAR-GOOS



India



Indonesia



Japan



Korea

As a member of NEAR-GOOS



Malaysia



Thailand



Vietnam

AO GEOSS Task 4 Oceans, Coasts and Islands

Analysis Ready Data for Water (ARD4W)

Sensors

MODIS
VIIRS
GCOM-C
Landsat
Sentinel-2
Kompsat?
ALOS3?
GF1?
THEOS?

Product Families

ARD4H20 Product Family

Ocean monitoring

- General Metadata
- Per-pixel Metadata
- Data Measurements
- Geolocation

ARD4H20 Product Family

Shallow Water Bathymetry

- General Metadata
- Per-pixel Metadata
- Data Measurements
- Geolocation

ARD products

Ocean colour – MODIS
Ocean colour – VIIRS
Ocean colour – GCOM-C
Ocean temperature – MODIS
Ocean temperature – VIIRS
Ocean temperature – GCOM-C
Ocean solids – MODIS
Ocean solids – VIIRS
Ocean solids – GCOM-C

Shallow water bathymetry – Landsat
Shallow water bathymetry – Sentinel-2
Shallow water bathymetry – Kompsat?
Shallow water bathymetry – ALOS1/3?
Shallow water bathymetry – GF1?
Shallow water bathymetry – THEOS?

- Hope to have a joint action for future of GEO