

Task Group 4 Session on Oceans, Coasts, and Islands (OCI)

Venue: Plaza HEISEI, Tokyo International Exchange Center, Tokyo, Japan

Date(Time): September 3rd (15:40 – 18:40) – September 4th (10:00 – 13:00), 2024

Speakers:

Eko Siswanto	Japan Agency for Marine-Earth Science and Technology, Japan
Aletta T. Yñiguez	University of the Philippines, Philippines
Anukul Buranapratheprat	Burapha University, Thailand
Aidy M. Shawal bin M. Muslim	University Malaysia Terengganu, Malaysia
Jutarak Luang-on	Japan Agency for Marine-Earth Science and Technology, Japan
Salem Ibrahim Salem	Kyoto University of Advanced Science, Japan
Genki Terauchi	Northwest Pacific Region Environment Cooperation Center, Japan
Nurul Hazrina binti Idris	Universiti Teknologi Malaysia, Malaysia
Victor Kuwahara	Soka University, Japan
Jonson Lumban Gaol	IPB University, Indonesia

Time	Presentation Titles	Speakers
Day-1, Sep 3, 15:40 – 18:40, Moderator: Eko Siswanto		
15:40 – 15:50	Welcome remarks & Introduction to Task Group 4 Session	Aidy M. Shawal bin M. Muslim & Eko Siswanto
15:50 – 16:10	Understanding and managing harmful algal blooms in the Philippines	Aletta T. Yñiguez
16:10 – 16:30	Monitoring coastal ocean ecosystem climate change using GCOM-C and in situ bio-optical observations	Victor Kuwahara
16:30 – 16:40	Short break	
16:40 – 17:00	Seamless detection of harmful algal blooms with machine learning and satellite imagery	Salem Ibrahim Salem
17:00 – 17:20	Satellite-based observation of red tides in the eutrophic coastal waters	Jutarak Luang-on
17:20 – 17:40	Potential of SGLI-derived chlorophyll-a as an index of coastal eutrophication	Genki Terauchi
17:40 – 18:00	Discussion	
Day-2, Sep 4, 10:00 – 13:00, Moderator: Aletta T. Yñiguez		
10:00 – 10:20	Converting satellite-derived remote sensing reflectance to optical water quality for the entire Asian waters	Eko Siswanto
10:20 – 10:40	Integration of ocean color remote sensing and ocean modeling for understanding and predicting changes in coastal marine ecosystems	Anukul Buranapratheprat
10:40 – 11:00	Modelling and forecasting the effects of increasing sea surface temperature on coral bleaching in the Indo-Pacific region	Aidy M. Shawal bin M. Muslim
11:00 – 11:20	Short break	
11:20 – 11:40	Satellite radar altimeters for observing the sea level over the marginal sea in Southeast Asia	Nurul Hazrina binti Idris
11:40 – 12:00	Earth observation data for operational fisheries oceanography	Jonson Lumban Gaol
12:00 – 12:30	Discussion for Task Group 4 activity reports	

