

Key activities, successes and future outlook of the OC-PC Study Group

Park, Young-Je^{1*}, Shen, Fang², Hong, GiHoon³, Zuo, Fang³, Qin, Kai³

¹Future Innovation Technology Research Institute, Telepix Co., Ltd., Seoul, Republic of Korea

²State Key Laboratory of Estuarine and Coastal Research, East China Normal University, Shanghai, China

³IMBeR International Project Office, State Key Laboratory of Estuarine and Coastal Research, East China Normal University, Shanghai, China

* Correspondence:

Park, Young-Je

youngjepark@telepix.net

Abstract

The IMBeR OCPC Study Group, formed in 2022 with ocean satellite experts, aims to enhance the use of Earth Observation (EO) data for sustainable development in the Central Indo-Pacific (CIP). Through collaboration with regional participants, the group seeks to improve EO data utilization for specific interests. Experts conducted three online sessions on satellite data archives, tools, and applications. Thirteen participants from Indonesia, Malaysia, the Philippines, and Singapore proposed diverse projects, including fisheries, climate variability, algal blooms, and bio-optical properties, and advanced their studies receiving mentorship. A workshop was held in Bali in November 2023 to discuss the final results in person. This initiative provided a unique experience for direct mentor-participant collaboration fostering knowledge exchange. Participants requested further training on best practices, from field observations to satellite data use. Given the CIP's vulnerability to climate change and natural hazards, increased EO data utilization is vital for sustainable development and climate mitigation in the region.