

Blue Horizons: Strengthening the Philippines–Brazil Cooperation in Earth Observation (E.O.) for Marine and Coastal Biodiversity Conservation

19 August 2025 (Brazil)
20 August 2025 (Philippines)
Virtual

Abstract

As global environmental challenges intensify, international collaboration in space science and technology offers transformative solutions for marine and coastal conservation. Blue Horizons brings together leading institutions from the Philippines and Brazil to explore and advance bilateral cooperation in monitoring and protecting vital ecosystems such as mangroves, estuaries, and coral reefs using geospatial and Earth Observation (E.O.) technologies.

Anchored from the Philippine Space Agency (PhilSA) and the Brazilian Space Agency (AEB) signed agreement for cooperation on the peaceful uses of outer space, this webinar highlights the strategic importance of space-based applications in mapping and safeguarding territorial waters. Inspired by Brazil's "Blue Amazon" initiative—a pioneering policy framework for the sustainable management of its vast maritime domain—Philippine authorities seek to deepen engagement with Brazilian counterparts to enhance national and regional conservation efforts.

The event will convene experts from both countries, including representatives from the Department of Environment and Natural Resources (DENR), University of the Philippines Marine Science Institute (UP-MSI), and the University of the Philippines Department of Geodetic Engineering (UP-DGE), alongside Brazilian institutions such as Brazilian Space Agency and the National Institute for Space Research (INPE). Together, these stakeholders will explore synergies in satellite data utilization, coastal ecosystem monitoring, and community-based conservation strategies.

Blue Horizons aims to catalyze a robust framework for scientific exchange, policy alignment, and joint innovation—laying the groundwork for a resilient and biodiverse future across the South Atlantic and Pacific Oceans.

PROVISIONAL AGENDA

(as of 12 August 2025)

<u>Time</u>	<u>Activity</u>
8:00 AM – 8:15 AM (GMT+8 - PH) 9:00 PM – 9:15 PM (UTC-3 - BR)	<p>Welcome Messages MARCO ANTONIO CHAMON, Ph.D. <i>President</i> Agência Espacial Brasileira (AEB)</p> <p>GAY JANE P. PEREZ, Ph.D. <i>Deputy Director General - Space Science and Technology</i> Philippine Space Agency (PhilSA)</p> <p>Keynote H.E. GILBERTO FONSECA GUIMARÃES DE MOURA <i>Ambassador Extraordinary and Plenipotentiary</i> Embassy of the Federative Republic of Brazil in Manila</p>
8:15 AM – 8:20 AM (GMT+8 - PH) 9:15 PM – 9:20 PM (UTC-3 - BR)	<u>Introduction of Speakers and Presentations</u>
8:20 AM – 8:50 AM (GMT+8 - PH) 9:20 PM – 9:50 PM (UTC-3 - BR)	Panel on "Monitoring Mangrove Forests in Brazil and the Philippines using Space Science Technology"
8:50 AM – 9:10 AM (GMT+8 - PH) 9:50 PM – 10:10 PM (UTC-3 - BR)	Panel on "Mapping and Monitoring of Seagrass and Coral Reef Meadows"
9:10 AM – 9:30 AM (GMT+8 - PH) 10:10 PM – 10:30 PM (UTC-3 - BR)	Panel on "Space Technology for Biodiversity: Strengthening the Space Ecosystem through Diplomatic Relations between Brazil and Philippines"
9:30 AM – 9:50 AM (GMT+8 - PH) 10:30 PM – 10:50 PM (UTC-3 - BR)	<u>Moderated Q&A</u>
9:50 AM – 9:55 AM (GMT+8 - PH) 10:50 PM – 10:55 PM (UTC-3 - BR)	<u>Synergies, Prospects, and Way Forward</u>
9:55 AM – 10:00 AM (GMT+8 - PH) 10:55 PM – 11:00 PM (UTC-3 - BR)	<u>Closing Remarks</u>