

INTERNATIONAL CONFERENCE
**“IMPACTS OF GLOBAL WARMING AND OCEAN ACIDIFICATION ON MARINE
 ECOSYSTEMS AND NECESSARY POLICY MEASURES”**
 Toward the establishment of a network in the west Pacific region

Date: Thursday 19th – Friday 20th January, 2017

Venue: The Sasakawa Peace Foundation Building, Tokyo, Japan

Background:

The greenhouse gases emitted by our society not only cause global warming, but also increase the levels of carbon dioxide in our oceans, leading to their acidification. Global warming as well as ocean acidification are issues of increasing global importance, and have been mentioned in the United Nations Conference on Sustainable Development (Rio+20) outcome document in 2012 as well as the Sustainable Development Goals adopted in September 2015. However, despite the increased global focus on the issue, the response to ocean acidification in Japan’s surrounding waters as well as the west Pacific region has been lacking.

In order to increase awareness on the issue, OPRI-SPF is hosting the international conference “Impacts of Global Warming and Ocean Acidification on Marine Ecosystems and Necessary Policy Measures – Toward the establishment of a network in the west Pacific region –.” The conference aims to increase understanding of the current situation in the west Pacific region, identify issues, and formulate relevant policies, in the hopes of creating a network of ocean acidification experts in the region.

Thursday 19 th January (10:00 – 17:00)	
10:00 – 10:30	Opening Ceremony Opening Remarks Hiroshi Terashima President, Ocean Policy Research Institute, Sasakawa Peace Foundation (OPRI-SPF) Introductory Speech Yoshihisa Shirayama Executive Director, Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
10:30 – 12:30	Keynote Speech “Research and Policy Trends on Ocean Acidification around the World” David Osborn Director, Environment Laboratories, Department of Nuclear Sciences and Applications, International Atomic Energy Agency
	Keynote Speech “Ocean Acidification: An Increasingly Important Issue on Global and Local Scales for Governments and Society” Carol Turley Senior Scientist, Plymouth Marine Laboratory
	Keynote Speech “Towards Building an Ocean Acidification Network” Jan Newton Senior Principal Oceanographer, Affiliate Assistant Professor, Oceanography, University of Washington
12:30– 13:30	Lunch Break

	Session 1: Current Trends and Issues on the North-West Pacific Oceans including the Bering Sea
13:30 – 15:30	<p>“The Status of Ocean Acidification in the Subtropical Pacific Region” Chen-Tung Arthur Chen Professor, Department of Oceanography, National Sun Yat-sen University</p> <p>“Progress of Ocean Acidification in the western North Pacific” Masao Ishii Head of 3rd Laboratory, Oceanography and Geochemistry Research Department, Meteorological Research Institute, Japan Meteorological Agency</p> <p>“Ocean Acidification Studies in the Seas around Japan” Tsuneo Ono Chief Scientist, Japan Fisheries Research and Education Agency (FRA)</p> <p>“Ocean Acidification and its Effects on Pacific Island States” Tommy S. Moore Pacific Islands Global Ocean Observing System Officer, Secretariat of the Pacific Regional Environment Programme (SPREP)</p>
15:30 – 15:45	Coffee Break
	Session 1 (cont.)
15:45 – 16:55	<p>Discussion “Issues in the West Pacific Region” Moderator Speech Yukihiro Nojiri Professor, Department of Earth and Environmental Sciences, Hirosaki University</p> <p>Panel Discussion</p>
16:55 – 17:00	Wrap-up for the Day
17:30 –	Reception
Friday 20 th January (9:30 – 17:00)	
	Session 2 Response and Policy
9:30 – 11:00	<p>“Social Regional Impacts of Ocean Acidification in Japan” Masahiko Fujii Associate Professor, Faculty of Environmental Earth Science, Graduate School of Environmental Science, Hokkaido University</p> <p>“Mitigation Options - CCS and the Marine Environment” Jun Kita Supervisory Researcher, Marine Ecology Research Institute</p> <p>“Ocean Acidification: Another Reason to Act” Tetsuji Ida Senior Staff Reporter, Kyodo News</p>
11:00 – 11:15	Coffee Break
	Session 2 (cont.)
11:15 – 12:15	<p>Discussion: Measures for Converting Response into Policy Moderator Speech: Joji Morishita Professor, Tokyo University of Marine Science and Technology</p> <p>Panel Discussion</p>
12:15 – 13:15	Lunch Break

Session 3 Towards Establishing a Network	
13:15 – 15:15	<p>“Synthesis of Information on North Pacific Ocean Acidification Studies by the North Pacific Marine Science Organization (PICES)” Tsuneo Ono Chief Scientist, Japan Fisheries Research and Education Agency (FRA)</p> <p>“Coastal Temperature & OA Monitoring Strategy for the USP Region – Present Status and Future Plans” Antoine de Ramon N’Yeurt Marine Biologist and Algal Taxonomist Lecturer, University of the South Pacific (USP)</p> <p>“Studies on the Effects of Warming and Ocean Acidification to Coral Reef Organisms at the Tropical Biosphere Research Center, University of the Ryukyus” Kazuhiko Sakai Professor, Ryukyu University</p> <p>“Future Earth/SIMSEA and MARINE Crisis Watch & Action” Toshio Yamagata Director, Application Laboratory, JAMSTEC</p>
15:15 – 15:30	Coffee Break
Session 3 (cont.)	
15:30 – 16:55	<p>Discussion: Towards Networking in the West Pacific Region Moderator: Yoshihisa Shirayama</p> <ul style="list-style-type: none"> • Data Integration • Monitoring Strategies • Technological Support • MARINE Crisis Watch (Information Sharing Platform) • Raising Public Awareness <p>Wrap-up of the conference</p>
16:55 – 17:00	Closing Ceremony