

APEC Project (OFWG 02 2014)

Workshop on the Climate Change's Impact on Oceans and Fisheries Resources

Date & Venue : May 2015, Philippines

APEC 2014 Ministerial Statement, paragraph 52, "We also welcome the APEC Project 'Workshop on the Climate Change Impact on Oceans and Fisheries Resources'".

APEC 2013 Leaders' Declaration "being mindful of the grave economic consequences of natural and human-caused disaster (e.g. Climate Change), the Leaders committed to pursue cross-sectoral work under the APEC Initiative on Mainstreaming Ocean-related Issues, that will maintain the health and sustainability of oceans and coastal resources for benefit..."

- The impact of climate change has threatened the ocean and its derived benefits.
- Irreversible marine environmental changes have occurred, such as ocean warming, sea level rise, ocean acidification and Arctic sea-ice melting.
- It will bring further increasing uncertainties in sustainable use of the seas, especially of fisheries and aquaculture.

IPCC Report (March 2014) The striking feature of observed impacts (of climate change) is occurring from the tropics to the poles, from small islands to large continents.

- Aiming at better awareness of the impact of climate change on oceans, Project (Workshop) goals are:
 - ✓ To establish a coordinated framework for sharing (1) experiences and scientific knowledge, (2) good practices of the impact mitigation, and (3) success stories of the adaptation with innovative approaches;
 - ✓ To enhance further awareness of the increasing vulnerability of fisheries and aquaculture, and to develop comprehensive preparedness in these sectors; and
 - ✓ To strengthen policy coherence to ensure ocean-related economic activities, in the approach to the economic and social adaptation to the impact of climate change.

IPCC Report (March 2014) Climate change often interacts with other stresses to increase risk. Adaptation can play a key role in decreasing these risks.

All Economies are invited and welcomed to participate in the Workshop. Prominent scholars and stakeholders will serve as lecturers.



Asia-Pacific
Economic Cooperation

APEC PROJECT (OFWG 02 2014)

Implemented by JAPAN, Co-sponsored by Peru, Philippines, & Viet Nam

Draft PROGRAM

Workshop on the Climate Change Impact on Oceans and Fisheries Resources

9th May 2015, Boracay Island, Philippines

Opening¹

- **Welcome Remarks**
TBD, Government of Philippines
- **Opening Key Remarks**
Prof. Nobuaki Okamoto, President, Tokyo University of Marine Science and Technology, Japan

Impact of Climate Change on Marine Environment

- **Meteorological Views about Climate Change**
Dr. Ruby Leung, Pacific Northwest National Laboratory, United States
- **Impact on Marine Environment**
Prof. Victor Ariel Gallardo, Professor of the Department of Oceanography, Universidad de Concepcion, Chile

Striking Feature of Impacts

- **Ocean Acidification**
Dr. Christopher Sabine, Director, Pacific Marine Environmental Laboratory, National Oceanic and Atmospheric Administration (NOAA), United States
- **Stresses on Marine Biodiversity**
TBD, ASEAN Centre for Biodiversity

Luncheon Speech

- **Implications for Marine Ecosystem**
Dr. Yoshihisa Shirayama, Executive Director, Japan Agency for Marine Earth Science and Technology (JAMSTEC), Japan

Arctic, as the Most Affected Ocean

- **Sea Ice Decline**
Dr. Koji Shimada, Associate Professor, Department of Ocean Science, Tokyo University of Marine Science and Technology, Japan
- **Implications for Global Trade and Distribution System**
Dr. Natsuhiko Otsuka, Manager, North Japan Port Consultations Co. Ltd.

Vulnerability of Fisheries

- **Climate Change Effects on Fisheries**
Hon. Mr. Árni Mathiesen, Assistant Director General, Food and Agriculture Organization of the United Nations (FAO), Fisheries and Aquaculture Department
- **Adaptations to Ecosystem Affects and Marine Environmental Shifts**
Mr. Masanori Miyahara, President, Fisheries Research Agency, Japan
- **Blue Carbon**
Dr. Achmad Poernomo, Director General, Ministry of Marine Affairs and Fisheries, Indonesia

Evening Session: Adaptation, as a Key Role in Decreasing Risks

Panel Discussions on the Adaptations to the Environmental Shifts Caused by Climate Change, by All Lecturers

Closing

¹ Moderator (APEC Project Overseer): Dr. Akima Umezawa, Cabinet Counsellor, Government of Japan