



**Asia-Pacific
Economic Cooperation**

2014/AOMM/010
Agenda Item: 4.1

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

Purpose: Information
Submitted by: Japan



4th APEC Ocean-Related Ministerial Meeting
Xiamen, China
28 August 2014

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

Date & Venue : May 2015, Philippines

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.

Draft PROGRAM

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Opening

Welcome Remarks
Opening Key Remarks
Introduction of Lecturers and Participants

Impact of Climate Change on Oceans

Meteorological Views about Climate Change
Impacts on Marine Environment

Striking Feature of Impacts

Ocean Acidification
Stresses on Marine Biodiversity

Luncheon Speech

Implications for Marine Ecosystem

Arctic, as the Most Affected Ocean

Sea Ice Decline
Implications for Global Trade and Distribution System

Vulnerability of Fisheries and Ecosystem Service

Climate Change and Fisheries
Innovative Approach for Adaptations
Blue Carbon

Adaptation, as a Key Role in Deminishing Risks

Panel Discussions on the Adaptations to Irreversible Environmental Shifts

Closing