INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)

Tenth Intergovernmental Session of the IOC Sub-Commission for the Western Pacific
(WESTPAC-X)

Phuket, Thailand, 12-15 May 2015

PROGRESS REPORT (MAY 2012-MAY 2015)

ON

CORAL REEF UNDER CLIMATE AND ANTHROPOGENIC PERTURBATIONS
(WESTPAC-CorReCAP)

In accordance with Terms of Reference of IOC Sub-Commission for the Western Pacific, the report is provided to facilitate the consideration by the Sub-Commission on the progress made on the WESTPAC project: Coral Reef under Climate and Anthropogenic Perturbations.

The Sub-Commission is invited to discuss about the progress made, provide directives and advice on its future development, and further identify resources and national commitments to its implementation in the region.
I

Project

1. Coral Reef under Climate and Anthropogenic Perturbations (WESTPAC-CorReCAP)

II

Project Objectives and Expected Outputs/Outcomes

2. Objectives for IOC/WESTPAC-CorReCAP Project:
   1. To understand the biogeochemical and ecological nature of coral reefs in WESTPAC in different geographic, physical and environmental settings, as well as different types of human interventions;
   2. To evaluate the consequence of impact of climate change and other human activities on the health of coral reefs and their sustainable use, and
   3. To promote capacity building in areas related to research on coral reefs through sharing scientific knowledge and training activities, as well as collaboration within research networks in WESTPAC.

3. Expected Outputs/Outcomes:
   1. Establishment of a network for research on coral reefs and collaborative coordination with other projects in the region;
   2. Increase in the ability of capacity building in WESTPAC through exchange of experts, transferring of techniques and training through research;
   3. Issue of an assessment report on status of coral reefs in WESTPAC in accordance to IOC Medium-Term Strategy;
   4. Joint publication of research results as monograph and/or special issue in international media.

III

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IV Terms of Reference of the Project Steering Group

4. The group will have the functions and will carry out the following activities during the life time of this project:

- To review the actual status/conditions of major coral reef ecosystems in WESTPAC and identify critical issues of action that are required for its Sub-Commission;
- To and provide recommendations related to sustainability of coral reef ecosystems and undertake cost-effective implementation of these recommendations, within the frame of IOC Medium-Term Strategy (i.e. 2008-2013);
- To ensure effective interaction/communication with other regional inter-governmental and non-governmental organizations on coral reef systems research;
- To promote capacity building within WESTPAC on coral reef research and education as well as establish the coordination with other sub-commissions of IOC.

V Activities Carried out and/or to be Carried Out During the Last Intersessional Period (May 2012 – May 2015)

6. 2013: Publication of special issue on IOC/WESTPAC-CorReCAP Project in Deep-Sea Research II: Topical Oceanography (Photo 2).

7. 2014: Third Summer School of IOC/WESTPAC-CorReCAP Project on “Resilience of Coral Reefs to the Climate Change and Anthropogenic Disturbances” (Nha Trang, Vietnam, 18-21 April 2014) (Photo 3)
8. 2014: Fourth IOC/WESTPAC Workshop on the Coral Reef under Climate and Anthropogenic Perturbations (IOC/WESTPAC-CorReCAP Project) (Nha Trang, Vietnam, 22-23 April 2014) (Photo 4)

9. Plan for 2015: 5th Workshop on the “Coral Reef under Climate and Anthropogenic Perturbations in Western Pacific Region”

VI Problems Encountered and Actions to be Considered by the 10th Intergovernmental Session, tentatively scheduled for May 12-15, 2015, Phuket, Thailand

10. It is hoped to have participants from Western Pacific island countries involved in the IOC/WESTPAC-CorReCAP activities.
## VII Workplan and Budget for May 2015 – May 2017

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<tr>
<th>Project/Programme</th>
<th>Activities</th>
<th>Objectives</th>
<th>Expected outputs/outcomes</th>
<th>Date and place</th>
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<th>Other sources (i.e. from national or international)</th>
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<tr>
<td>Coral Reefs under Climate and Anthropogenic Perturbations</td>
<td>1. Workshops for WESTPAC-CorReCAP Project</td>
<td>To do the synthesis on the existing knowledge and review of research experiences</td>
<td>Articles and workshop reports</td>
<td>TBD</td>
<td>US10K$</td>
<td>TBD</td>
<td>10-20 participants</td>
</tr>
<tr>
<td></td>
<td>2. Summer schools for WESTPAC-CorReCAP Project</td>
<td>To promote the capacity development for IOC/WESTPAC-CorReCAP studies</td>
<td>Reports</td>
<td>TBD</td>
<td>US10K$</td>
<td>TBD</td>
<td>20-30 trainees</td>
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