



**USAID** | **ASIA**  
FROM THE AMERICAN PEOPLE

# U.S. CORAL TRIANGLE INITIATIVE (CTI) SUPPORT PROGRAM CONSOLIDATED WORK PLAN YEAR 4

February 2012 (Bangkok, Thailand)



U.S. CORAL TRIANGLE INITIATIVE (CTI)  
SUPPORT PROGRAM  
**CONSOLIDATED WORK PLAN**  
**YEAR 4**

February 2012 (Bangkok, Thailand)

Prepared for U.S. Agency for International Development  
by TetraTech ARD under Contract No. EPP-I-00-06-00008-00; Order No. EPP-I-07-06-00008-00

US CTI Support Program Document No. I6-USCTI-I2

**DISCLAIMER**

The views expressed in this document do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

# CONTENTS

LIST OF TABLES AND FIGURES ..... II

LIST OF ACRONYMS AND ABBREVIATIONS..... III

INTRODUCTION ..... 6

US SUPPORT TEAM ROLES AND RESPONSIBILITIES ..... 7

RESULTS FRAMEWORK ALIGNED WITH CTI GOALS ..... 7

GENDER CONSIDERATIONS ..... 8

PROGRAM SUPPORT APPROACH ..... **ERROR! BOOKMARK NOT DEFINED.**

REGIONAL SUPPORT ACTIVITIES ..... 10

NATIONAL SUPPORT ACTIVITIES ..... 18

*Indonesia* ..... 18

*Malaysia* ..... 19

*Papua New Guinea* ..... 20

*Philippines*..... 21

*Solomon Islands*..... 23

*Timor-Leste* ..... 24

# LIST OF TABLES AND FIGURES

Table 1. Outputs and Outcomes for the US CTI Support Program ..... **Error! Bookmark not defined.**

Table 2. Priority Geographies and Sites (Demonstration geographies and sites highlighted) .....10

Table 3. US CTI Support Program 2011 Regional Activities .....15

Table 4. Work Plan Activities in Indonesia.....18

Table 5. Work Plan Activities in Malaysia .....19

Table 6. Work Plan Activities for Papua New Guinea.....20

Table 7. Work Plan Activities in the Philippines .....22

Table 8. Work Plan Activities in the Solomon Islands.....23

Table 9. Work Plan Activities in Timor Leste .....25

Figure 1. Coral Triangle Region .....6

Figure 2. Results Framework for the US CTI Support Program .....8

# LIST OF ACRONYMS AND ABBREVIATIONS

ADB	Asian Development Bank
APEC	Asia Pacific Economic Cooperation
ARD	Associates in Rural Development
ASEAN	Association of South East Asian Nations
BPSDM	Badan Pengembangan Sumber Daya Manusia (Indonesia)
CBRM	Community-based resource management
CBO	Community-based organization
CI	Conservation International
CITES	Convention on International Trade of Endangered Species
COP	Chief of Party (USAID) or Conference of Parties
CRM	Coastal research and management
CSIRO	Commonwealth Scientific and Industrial Research Organization (Australia)
CT	Coral Triangle
CT6	Coral Triangle countries (Indonesia, Malaysia, Philippines, Papua New Guinea, Solomon Islands, Timor-Leste)
CTI	Coral Triangle Initiative
CTICOM	Coral Triangle Initiative Council of Ministers
CTMPAS	Coral Triangle MPA System
CTSP	Coral Triangle Support Program
DANIDA	International Development Agency
DENR	Department of Environment and Natural Resources (Philippines)
EBM	Ecosystem based management
EAFM	Ecosystem approach to fisheries management
FAD	Fish aggregation device
FAO	Food and Agriculture Organization
FISH	Fisheries Improved for Sustainable Harvests Project (USAID)
GIS	Geographic Information System
ICRI	International Coral Reef Initiative
ICZM	Integrated Coastal Zone Management Plan
IEC	Information, education and communications
IMACS	Indonesia Marine and Climate Support Project
MCS	Monitoring, control and surveillance
IUU	Illegal, unreported, and unregulated

LGA	Local government association
LGU	Local government unit
LLG	Local-level government
LMMA	Locally managed marine area
LRF	Live-reef food
LRFT	Live reef fish trade
LRFFT	Live reef food fish trade
MARXAN	A type of conservation planning computer software
M&E	Monitoring and evaluation
MMAF	Ministry of Marine Affairs and Fisheries (Indonesia)
MOU	Memorandum of Understanding
MPA	Marine Protected Area
MPAME	MPA Management Effectiveness
NCC	National CTI Coordination Committee
NGO	Non-governmental organization
NFA	National Fisheries Authority (Papua New Guinea)
NIPAS	National Integrated Protected Areas System
NKS	Nino Konis Santana
NOAA	National Oceanic and Atmospheric Administration
NPOA	National Plan of Action
PEMSEA	Program for the Environmental Management of the Seas of East Asia
PG	Priority Geography
PI	Program Integrator
PMP	Performance and Monitoring Plan
PNG	Papua New Guinea
PPP	Private-public partnerships
RDMA	Regional Development Mission/Asia
REAP	Regional Early Action Plan
RPOA	Regional Plan of Action
SIG	Solomon Island Government
SILMMA	Solomon Islands Locally Managed Marine Areas
SGP	Small grants program
SOM	Senior Officials Meeting
SPREP	South Pacific Regional Environment Program
TNC	The Nature Conservancy
TOR	Terms of reference
TOT	Training-of-trainers

USAID	United States Agency for International Development
US DOJ	Department of Justice
US DOS	United States Department of State
USG	United States Government
VA	Vulnerability Assessment
WFC	World Fish Center
WWF	World Wildlife Fund

# INTRODUCTION

The Coral Triangle (CT) is an area encompassing almost 4 million square miles of ocean and coastal waters in Southeast Asia and the Pacific surrounding Indonesia, Malaysia, Papua New Guinea, the Philippines, Timor-Leste, and the Solomon Islands (Figure 1). Recognizing the importance of maintaining healthy marine ecosystems and the significant economic and social benefits derived by the over 363 million people in the region, the six CT countries committed in 2007 to improve management of marine resources through the Coral Triangle Initiative (CTI).



Figure 1. Coral Triangle Region

The U.S. Government, through the US CTI Support Program, has committed over \$42 million in technical and financial assistance to support the CT6 commitment for five years over the period 2008 to 2013. Through well-coordinated efforts by the US Agency for International Development (USAID), the National Atmospheric and Oceanic Administration (NOAA), Department of State (DOS), and other agencies and organizations, the US CTI Support Program is designed to provide a unified response to support implementation of the CTI.

During the first 3 years, the US CTI Support Program provided strategic support to the CTI Regional Secretariat, National Coordinating Committees, and Technical Working Groups. These CTI bodies are the frontline regional and national platforms charged to implement the vision, goals, and action plans of the CTI. Regional exchanges were conducted on ecosystem based fisheries management, marine protected area management, adaptation to climate change and public private partnerships enabled CT6 countries to share experiences and learn best practices that they can apply in their own countries. Priority geographies and sites were identified, in consultation with each CT6 country, and on-the-ground capacity development activities were conducted with the participation of local stakeholders in these areas.

This Consolidated Work Plan is intended to serve as a comprehensive and integrated overview of the US CTI Support Program and to support effective collaboration among US partners. The work plan provides a description of the US partners involved with the US CTI Support Program, the 5-

year results framework, the Program 2012-2013 Endgame Strategy and detailed Year 4 (October 2011-September 2012) activities.

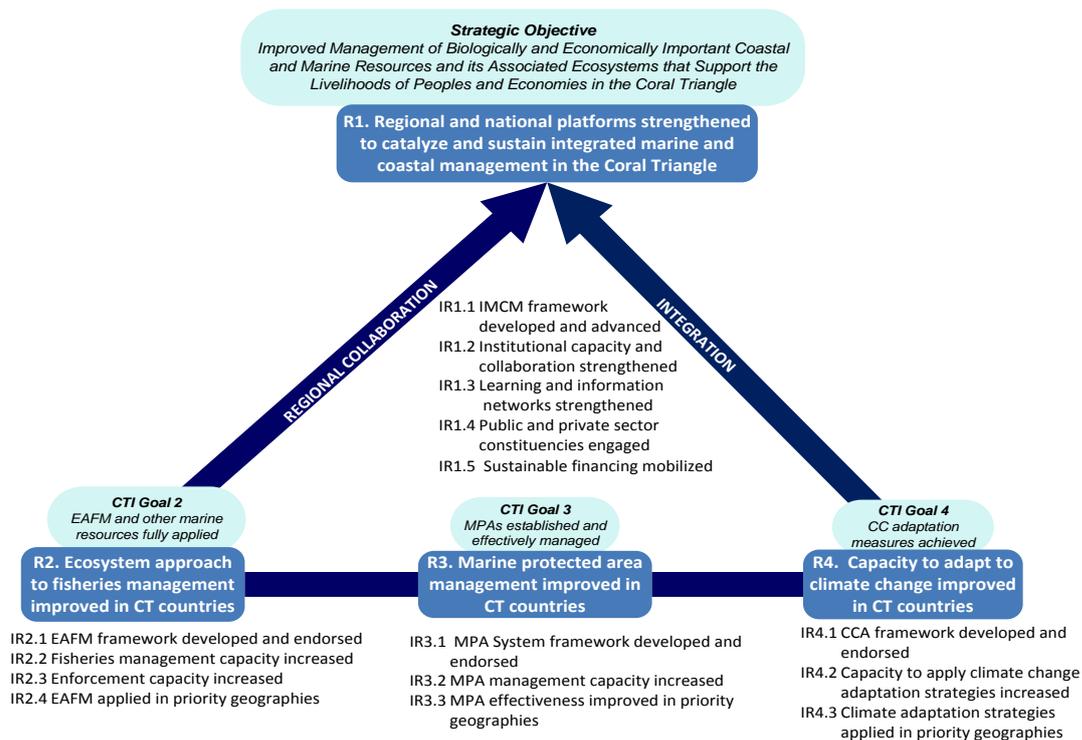
## US SUPPORT TEAM ROLES AND RESPONSIBILITIES

The US CTI Support Program represents the US Government's commitment to support the efforts of the six Coral Triangle countries (CT6) Indonesia, Malaysia, Papua New Guinea, Philippines, Solomon Islands and Timor-Leste. The Program is composed of team members from USAID, the US State Department and the National Oceanic and Atmospheric Administration (NOAA), and projects funded by these entities. USAID RDMA serves as the program lead and provides overall management of the program in coordination with USAID Washington D.C. and other key USAID missions in the Philippines and Indonesia, as well as the US State Department. RDMA supports implementation through the Coral Triangle Support Partnership (CTSP) - a consortium of NGOs comprised of the World Wildlife Fund (WWF), The Nature Conservancy (TNC), and Conservation International (CI). A contract with Tetra Tech ARD provides the services of the Program Integrator which serves as an overall support mechanism for USAID's CTI-related activities.

## RESULTS FRAMEWORK ALIGNED WITH CTI GOALS

The US CTI Support Program Results Framework consists of four results statements that capture the outcomes and impacts of activities over the life of the program (See Figure 2). US CTI Support Program results have been aligned to match three of the five goals under the CTI RPOA; the first result addresses overarching regional and national platforms. By focusing on these results, the US CTI Support Program can be strategic in targeting its resources both geographically and programmatically. Each result includes a set of more specific Intermediate Results (IRs) that when implemented, will roll up and contribute to meeting the broader result. In addition, USAID has provided a common set of program indicators that have been tagged to each IR and will be used in report on progress of the US CTI Support Program. Two CTI goals -- those addressing seascapes and endangered species -- are outside of the scope of the US CTI Support Program and therefore not specifically addressed within the Results Framework, although elements of these two goals will be supported at the country level.

This Year 4 Work Plan provides an overview of the planned activities and outcomes for the 12 month period of implementation from October 1, 2011 – September 30, 2012. The work plan structure has been modified to address the US CTI End Game strategy that was finalized by the Program team in July 2011 (Table 2).



**Figure 2. Results Framework for the US CTI Support Program**

## GENDER CONSIDERATIONS

The US CTI Support Program recognizes the crucial roles women and marginalized groups play in sound marine resource management and development. It also recognizes the opportunities to work with these groups to both improve livelihoods and promote marine conservation. The US CTI Support Program is committed to promoting gender equity and equality in the CT through the application of gender analysis and integration at all levels and dimensions of programming. Each activity aims to ensure that women and marginalized groups, such as vulnerable fishers and the poor, have access to project resources and participate in conservation and marine resource management. In addition, the US CTI Support Program will actively promote gender integration as a CTI norm in the development of policies and its platforms and activities including capacity building, planning, management structures, etc.

# Program support Approach

The USC CTI Support Program approach is anchored in supporting technical assistance mechanisms, regional and national platforms, and integration strategies to ensure that efforts are not only fully coordinated but integrated to achieve maximum synergy and impact.

## **Technical Assistance and Support Mechanisms**

Technical assistance and support mechanisms include support to the interim Secretariat, mentorship, and provision of scientific and other expertise. The Program uses trainings, regional exchanges and Information, Education and Communications (IEC) campaigns to build capacity in the region and support the development of learning networks. The Program supports knowledge sharing through various scientific and information platforms including the CT Atlas and CTI Partner Portal. Small grants and public-private partnerships are used to draw in and strengthen stakeholder support for the CTI. Pilot scale and other targeted project activities are also means to tailor assistance to address the differing needs across CT6 countries while capturing relevant lessons learned and developing models that can be replicated across the region. The box to the right provides a list of many of the mechanisms used by the US CTI Support Program team.

### Technical Assistance and Support Mechanisms

- Technical Assistance
- Regional Exchanges
- Trainings
- Regional Activity Teams
- Regional Policy Forums
- Public-private Partnerships
- Small Grants
- Pilot-scale Activities
- Knowledge Management Platforms e.g. CT Atlas
- Information sharing platforms e.g. CTI Partner Portal
- Information, Education and Communications campaigns
- Targeted Project Activities

## **Strengthening Regional and National Platforms for Sustainability**

Strong platforms provide a common, trusted location or institutional source of resources that can inform and build consensus where all CT6 countries share a stake and can meet to continue the exchange and integration of ideas with coordinated efforts. Platforms are defined as multi-country associations of agencies, organizations, and/or individuals for the purpose of sharing experiences, information, and best practices and developing common approaches, action plans, and policies for addressing regional challenges and issues. Strengthening of a platform refers to improved organizational structure, clarification of platform goals and vision, development of platform organizational structure, development of platform agenda action items, training of platform members, or increased awareness of platform activities including workshops and forums.

## **Linking Regional Support to Priority Geographies and Sites**

The Program links the development and endorsement of regional frameworks for EAFM, MPA and a CC Regional Early Action Plan and related capacity development and application in priority geographies. Priority geographies and sites are shown in Table 1.

### CTI Regional and National Platforms

#### CTI Bodies

- Council of Ministers
- Senior Officials Meetings
- Regional Secretariat
- National Coordination Committees
- Technical Working Groups

#### Learning Networks

- Coral Triangle Center

#### Local Government Associations

- League of Municipalities of the Philippines (LMP)
- Association of Indonesian Municipal Leaders (APKASI) and of City Mayors (APEKSI)
- United Cities and Local Governments SE Asia/Pacific Office (UCLG-SEAPAC)
- Local Governments for Sustainability's (ICLEI's)

#### Information Management for Decision Support

- WorldFish Center

**Table 1. Priority Geographies and Sites**

Country	Priority Geography	Site
Malaysia	Kudat-Banggi	Tun Mustapha Park
	Sabah Coastal Waters	Sabah Coastal Waters
Papua New Guinea	Milne Bay Province	Nuakata-labam-Phailele MPA
	Manus Province	Manus Island
Philippines	Palawan Province	Dumaran
		Taytay Municipality
		Araceli Municipality
	Tawi-Tawi Province	Languyan, Sitangkai, and Sibutu
	Verde Island Passage	San Juan, Lubang/Looc, and Calatagan
Solomon Islands	Western Province	Gizo Island
Timor-Leste	Nino Konis Santana National Park	Nino Konis Santana National Park

In order to better address program management, USAID Indonesia has terminated its work with CTSP but will continue its MPA work with the same partners in 2012 under a new cooperative agreement mechanism (Marine Protected Area Governance, MPAG).

### **Integration**

The US CTI Support Program has a far reaching scope that includes a large number of team members; a wide range of partners; a significant geographic area of responsibility; and an ambitious set of technical objectives. The Program was developed to capitalize on the value added benefits brought on by each team member ensuring not only overall cohesion in terms of a USG response but to achieve accelerated and expanded impact brought on by a synergy of efforts. In Years 1 and 2 of the Program, the USCTI spent significant effort in developing coordination mechanisms and the programmatic frameworks to allow for effective communications, strategic planning and reporting. In Year 3, the Program spent significant efforts to define and begin consistently applying thematic integration principles across its activities.

As identified under the CTI Regional Plan of Action (RPOA) and outlined under the USCTI Program Results Framework (2009), programmatic action taken under the USCTI is largely organized and implemented under three themes: (1) climate change adaptation (CCA); (2) an ecosystem approach to fisheries management (EAFM); and (3) marine protected areas (MPAs). The USCTI defines “thematic integration” as the combined application of these thematic areas, using a comprehensive and holistic approach. Under the USCTI, thematic integration is to be attempted within at least one specified “demonstration site” within each of the CT6 countries, ideally across all (but for at least two) of the three themes.

The end of Year 3 saw significant progress in Program efforts to achieve integration with the initiation of development of Tools for Integration, Site Guidelines for Integration, and a National Policy Brief for Integration.

### **Endgame Strategy**

As USCTI nears 2013, it is important to clarify the linkages among Program implementation activities, the results framework and the overall USCTI exit strategy. To inform this linking process, in June 2011, USAID’s Regional Development Mission for Asia (RDMA) worked with CTSP, NOAA

and the Program Integrator (PI), to review the evolved context of CTI, the status of USCTI activities, lessons learned, and the financial resources available in Year 4. Applying adaptive management and focusing on activities with the highest potential for impact, RDMA and implementing partners derived an “Endgame Strategy” that guided CTSP allocations for Year 4. This Endgame Strategy lays out the outcomes that USCTI will aim to achieve by 2013. The strategy also identifies the USCTI lead (listed in Table 2) and supporting partners for each outcome to enable efficient resource allocation and integration among partners. The Endgame Strategy outcomes and partner roles are detailed in Table 2 below.

**Table 2: USCTI Endgame Strategy**

<b>CTI Secretariat and Coordinating Structures Established to Sustain Impact</b>
<ul style="list-style-type: none"> <li>▪ Limited support provided to the CTI Regional Coordinator (PI)</li> <li>▪ Support provided to evaluate progress towards the goals identified in the Regional Priorities Workshop (PI)</li> <li>▪ NCCs and TWGs (e.g. Marine Protected Areas (MPAs), Ecosystem Approach to Fisheries Management (EAFM), Climate Change Adaptation (CCA), Monitoring and Evaluation &amp; Sustainable Finance) mobilized and strengthened (PI, CTSP)</li> <li>▪ Coordination support provided to US Government Agencies and CTI Development Partners (PI)</li> <li>▪ Communications support provided to the CTI Secretariat (PI)</li> <li>▪ Writing support provided for State of the Coral Triangle Report and CTI Annual Report (PI, CTSP)</li> <li>▪ Regional learning network established, initially through the Coral Triangle Center (i.e., work with Thematic Working Groups (TWGs), and other institutions to collect and share tools, case studies, curricula, and other knowledge products through an interactive online portal) (PI)</li> <li>▪ CTI Local Governance Alliance mobilized to catalyze local government political will (PI, CTSP)</li> </ul>
<b>EAFM Regional Framework Adopted and Guidelines Developed for National Operationalization</b>
<ul style="list-style-type: none"> <li>▪ EAFM regional framework and 10-year road map formulated (CTSP, PI, NOAA)</li> <li>▪ National EAFM operational guidelines developed (CTSP, PI, NOAA)</li> <li>▪ Legal analysis for EAFM and Illegal Unreported, and Unregulated Fisheries completed and shared (CTSP, PI, NOAA)</li> <li>▪ Limited support provided to establish the Live Reef Fish Trade international standards (PI)</li> <li>▪ Regional exchange established to inform design and build support for adoption of EAFM regional framework (PI, CTSP, NOAA)</li> <li>▪ Comprehensive integrated toolkit, case studies and curricula for MPAs, CCA, and EAFM developed and disseminated and trainings delivered (i.e. CCA, Management Plan, Adaptive Management, Monitoring &amp; Evaluation (M&amp;E), and Enforcement) (CTSP, PI, NOAA)</li> <li>▪ (Support EAFM TWG to get government adoption) (CTSP, PI)</li> </ul>
<b>CT MPA System Developed and Adopted</b>
<ul style="list-style-type: none"> <li>▪ Analysis of connectivity and climate impacts to inform MPA design completed (CTSP)</li> <li>▪ Regional workshops held for MPA TWG to design and adopt the CT MPA System (CTMPAS) (CTSP, PI, NOAA)</li> <li>▪ MPA Effectiveness Protocol developed and adopted to inform resilient MPA design (CTSP)</li> <li>▪ MPA integration sites finalized and linked to CTMPAS, and MPA Monitoring and Evaluation protocol implemented (CTSP)</li> <li>▪ Regional exchange established to inform design and build support for adoption of the CTMPAS (PI, CTSP, NOAA)</li> <li>▪ Comprehensive integrated toolkit, case studies, and curricula for MPAs, CCA, and EAFM developed and disseminated and trainings delivered (CTSP, PI, NOAA)</li> <li>▪</li> </ul>
<b>CCA REAP Adopted</b>
<ul style="list-style-type: none"> <li>▪ Comprehensive integrated toolkit, case studies, and curricula for MPAs, CCA, and EAFM developed and disseminated and trainings delivered (PI, CTSP, NOAA)</li> <li>▪ Regional exchange established on Regional Early Action Plan (REAP) implementation and lessons learned, and to refine early actions (PI, CTSP)</li> <li>▪ Priority REAP Actions initiated (CTSP, PI, NOAA)</li> <li>▪ Support CCA TWG to get government adoption</li> </ul>

CTSP worked with USAID RDMA to identify Priority Geographies and individual initiatives that were not aligned with the Endgame Strategy and therefore were phased out with the end of Year 3 funding. CTSP, USAID RDMA, and the USAID Missions in Philippines and Timor-Leste agreed upon workstreams and activities that will continue through Years 4 and 5. In all cases, prioritization decisions were made in consultation with in-country implementing partners.

## REGIONAL SUPPORT ACTIVITIES

The US CTI Support Program will continue through 2013 providing support at the regional, national and local level to:

- Ensure the sustainability of CTI structures and institutions;
- Maintain momentum towards achievement of RPOA and NPOA goals; and
- Catalyze transformational change in the CT.

The US CTI Support Program actively works with CTI institutions, CT6 counterparts and CTI Partners to coordinate and identify points of synergy to maximize the impact of efforts.

### **Result I - Regional and National Platforms Strengthened**

The Program is working to support CTI regional and national platforms to increase in knowledge, impact, leverage and influence for change. By supporting the CT identity and voice, there has been increasing international recognition of and response to the Coral Triangle Initiative. It is key to maintain this momentum – supporting the finalization of agreements on CTI structures and financing will be critical milestones to achieve in 2012. The US CTI Support Program platform approach addresses four areas: policy development; institutional capacity; learning and information networks; and public-private partnerships.

By 2013, regional marine and coastal governance will be transformed through innovated approaches and best practices. The Program will have supported (a) the development of capacity and creation of platforms and learning networks to support CT6 countries sustain continuous improvement in management of marine and coastal resources past the life of the Program and (b) sustained program implementation toward the goals outlined in the CT6 NPOAs and the RPOA. Outputs by 2013 include:

- Marine and coastal resource management is transformed in priority sites in each CT6 country through improved governance related to EAFM, MPAs, and climate change.
- CT6 countries are taking national and joint actions that maintain ecological productivity across the region.
- Common approaches are identified, adapted, and replicated through new learning networks that increase the capacity for marine and coastal resources management at local, national, and regional levels.

Key achievements in 2012 are expected to include or directly contribute to:

- Implementation of over a dozen Regional Exchanges;
- Training and development activities that will directly increase capacity of over 2,400 people;
- Development and adoption of over 40 laws, policies or agreements promoting sustainable resource management and conservation;
- The improved natural resources management covering over 7,592,183 coastal hectares;
- Establishment of at least 13 public private partnerships; and
- Institutionalization of regional learning networks.

The Program will channel its regional programming efforts to a set of specific results areas as follows:

**Policy Development:** It is imperative to promote a shift in the management of marine and coastal resources to cross-disciplinary and integrated approaches that forge linkages across partners, institutions, and levels of governance. The development and application of an integrated coastal management framework that incorporates fisheries and marine protected area management and climate change adaptation measures will be regional game changers. By the end of 2012 the Program will aim to have supported the CT in the development, adoption and implementation of four critical regional policy priorities including an Ecosystem Based Management (EBM) framework; an Ecosystem Approach to Fisheries Management (EAFM) framework; a Marine Protected Area (MPA) system Framework; and a Regional Early Action Plan (REAP) for Climate Change Adaptation.

**Institutional Capacity Development:** In 2012, the Program will support the institutional structures of the CTI by funding position of the CTI Secretariat Coordinator and CTI Communications and Outreach Officer; providing administrative support to address RPOA goals; providing direct technical support to NCCs; assisting in the conduct the second CTI Regional Priorities Workshop; and continuing to promote the formalization and engagement of CTI thematic working groups including M&E, CCA, EAFM, MPA, and Capacity Development. Efforts will continue towards the goal of the establishment of the permanent Secretariat in 2012. The Program will promote front lines support by bolstering local government capacity in CTI coastal communities supporting the institutionalization of the Mayors Round Table and highlighting EBM models. The Program will also work with the interim Secretariat, NCCs and Local Governments to promote Information, Education and Communications campaigns that increase awareness of the CTI and its goals and achievements.

**Learning Networks:** Collaborating with the Coral Triangle Center and the University of Philippines Marine Sciences Institute and other regional institutions, the Program will support the establishment of a formal CT Learning Network in 2011 that builds on existing CT6 regional and national networks. A key mechanism for supporting the formation of learning networks will continue to be Regional Exchange which will not only serve as a tool towards achieving Priority Actions in 2012 but will forge the personal and professional linkages required for joint action and solutions.

The Program will support Science based decision-making by expanding CT Atlas coverage towards integrating EAFM, CCA and MPA planning information bringing it down to the country level.

**Public-private Partnerships:** By the end of 2012, the Program will have fostered the development of at least 12 public-private partnership agreements in the region promoting long-range sustainability planning for the CTI Secretariat and on the ground implementation throughout the region. The US CTI Support Program supported the CTI Business Summit and PPP Regional Exchange in FY10 and will provide technical, logistical and funding support to Malaysia to host a 2<sup>nd</sup> Regional CTI Business Forum in 2011.

Table 3, provides additional details on the activities and outcomes.

## **Result 2-Ecosystem Approach to Fisheries Management Improved in CT Countries**

Growing concern and evidence of fishing-related pressures on the health and viability of marine resources in the CT prompted Ecosystem Approaches to Fisheries Management (EAFM) to be held as a pillar of the CTI (Regional Plan of Action, 2009). The US CTI Support Program approach to EAFM support includes policy development, expanding capacity in fisheries and IUU enforcement, and application of EAFM in priority geographies.

By 2013, EAFM outcomes are anticipated to include EAFM as the core fisheries management policy of the CT6, nationally and regionally. The Program will support the development of a CTI's EAFM best practices based upon lessons learned from across the region, including at least one integration/demonstration site per CT6 country. The Program will support the development of individual and regional plans for the CT6 to meet their ecological and socio-economic indicators. An EAFM framework will be developed including: policy and legal frameworks review completed across CT6 countries; EAFM policy review; and an EAFM framework developed and endorsed by CTI Secretariat..

#### Regional Exchanges Planned for 2012

- CTI Regional Business Forum II
- Climate Change Adaptation Course II
- Climate Change Adaptation Training of the Trainers II
- Marine Protected Areas System Exchange II
- Ecosystem Approach to Fisheries Management Regional Framework Development Exchange II
- 2012 Regional Priorities Workshop
- Mayors Round Table II
- Climate Change Adaptation Regional Exchange
- Live Reef Food Fish Trade Round Table
- CTI Technical Working Group Meetings including Monitoring and Evaluation; Marine Protected Area; Eco-based Approach to Fisheries Management; and Climate Change Adaptation among others

In 2012, the Program will work towards improvement of EAFM in the CT through a number of complementary efforts including the development of an EAFM framework; legal and policy analysis in cooperation with the EAFM technical working group of the CTI; integrated marine and coastal management best practices assistance alongside both the fisheries technical teams Live Reef Food Fish Trade (LRFFT); support for increased capacity to address Illegal, Unreported and Unregulated Fisheries (IUU)/Fisheries Enforcement ; and policy assistance in integration of MPA, EAFM and CCA frameworks and principals.

LRFFT outcomes in 2011 will include activities directed to increase capacity to access and use of scientific data science to inform ecosystem-based management and conservation strategies for the LRFFT and other fisheries.

IUU efforts in Year 4 will be directed to improve interagency cooperation among fisheries monitoring, control and surveillance (MCS) agencies at the regional, national and local levels. Efforts will go towards improved transboundary MCS operations; the finalization of a review and analysis of legal frameworks and fisheries laws; strengthening national laws and identifying opportunities for regional harmonization; and the development of a regional MCS training program.

### **Result 3-Marine Protected Area management Improved in CT countries**

As MPAs are required to achieve effective EAFM, and EAFM is an effective mechanism to enhance the resilience of MPA networks and sustain eco-system services, it is important that the development of both are interlinked. In alignment with the RPOA, The Program is working with the CT6 to establish national and regional systems of MPAs, building on existing MPAs and efforts, that accommodate multiple uses and needs, and that all together represent the Coral Triangle Marine Protected Area System (CTMPAS). A component of this is building the Coral Triangle Atlas (<http://ctatlas.reefbase.org/>) which will serve as a source of scientific information feeding into MPA network design.

By 2013, the Program will have helped all six countries of the Coral Triangle (CT6) develop a resilient system of MPAs that are part of larger national and regional systems that achieve biodiversity conservation and fisheries sustainability objectives. The Program's regional CTMPAS program in 2012 includes several ongoing and parallel sets of activities and outputs. It will finalize a country-based scoping study to identify the needs, scientific gaps, and interests of the CT6 regarding

technical support for resilient MPA network design. The Program will conduct MPA Regional Exchange to promote management effectiveness protocol and develop roadmap for CTMPAS establishment. It will test MPA management effectiveness protocols in select countries and further design and initiate a capacity development program that supports CTMPA. CTI MPA Focal Points will be supported to form in-country, cross-ministry teams that are the primary contact points for identifying data and information from each country and coordinating CTMPAS design. The Program will train MPA focal points and others key to the development of the CTMPAS and continue to populate the CT Atlas and national databases on which MPA systems will be created. Country focal points and teams will consolidate data to inform and or populate decision-support systems related to national MPA system formation while testing decision-support mechanisms for planning. The Program will work with CT6 to evaluate local, national and regional policy needs, align various laws/regulations, and support and create the enabling framework for formation and sustained effective management of the MPA system. A complete a framework for CTMPAS design will be completed by end of 2012.

#### Result 4-Capacity to Adapt to Climate Change Improved in CT countries

Under the current climate change trajectory, the ability of the Coral Triangle’s coastal environments to provide food for its local people could decline by 80 percent by 2100. Without action on global climate change and major investments in adaptation, it is estimated that around 100 million people will be severely impacted. Over the life of the project, the Program will support the CT6 with Indonesia and the Solomon Islands leading the CTI Climate Change Adaptation Technical Working Group to develop the Region-wide Early Action Plan for Climate Change Adaptation (CCA REAP). The CCA REAP is identified as a major target of the RPOA by 2015. The Program will work to support the CCA TWG in socializing the CCA REAP. The key mechanisms for achieving the anticipate CC outcomes include the conduct of regional exchanges and the application of small grants.

In 2012, the Program will have supported the adoption of Regional Early Action Plan for Climate Change at SOM; institutionalized a CCA training module and training of the trainer curriculum to reflect CTI needs; supported CT6 climate adaptation strategy development and application; and launched a CTI Climate Change Adaptation Learning Network .

**Table 3. US CTI Support Program 2011 Regional Activities**

REGIONAL ACTIVITIES					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>Regional Platforms Strengthened</b>					
Support work and coordination of CTI Technical Working Groups for Goals 2, 3 and 4 of the RPOA (EAFM, MPA, CCA) under the Lead Countries and Regional Secretariat	■	■	■	■	PI
Track and synthesize regional and integration site efforts to define and implement EAFM, MPAs, and CCA	■	■	■	■	CTSP
Develop a framework and toolkit for integration within CTI of EAFM, MPAs, and CCA as a product of CTI bodies that defines concepts, terms, best practices, and provides guidance to the region	■	■			CTSP
Propose and launch CTI toolkit for integrated management as a collaborative product of CTI bodies (TWGs, LGAs)			■	■	CTSP
Assist Secretariat and CT6 in coordinating efforts of CTI bodies, including Technical Working Groups	■	■	■	■	PI
Support Regional Secretariat and CT6 in conducting annual CTI Regional Priorities Workshop		■			PI
Assist Secretariat and CT6 in following up and tracking progress in addressing regional priorities	■	■	■	■	PI
Support drafting of State of the Coral Triangle Report	■	■			ADB

**Table 3. US CTI Support Program 2011 Regional Activities**

REGIONAL ACTIVITIES					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
Assist Secretariat with communications and outreach support including Communications Specialist, Communications Toolkit and Website	■	■	■	■	PI
Support interim Secretariat in coordinating transition to the permanent Secretariat		■	■		SOM
Support CTI interim and transitional Secretariat to establish and maintain the CTI Learning Network Hub	■	■	■	■	PI
Integrate capacity development (CD) at the regional level. Provide direct CD support to national programs and Priority Geographies to implement and vertically integrate CD programming. Disseminate lessons learned and successes through appropriate mechanisms, including learning networks.	■	■	■	■	CTSP-CI
Continue Year 3 objectives and update data on MPAs, CCA and Fisheries through direct technical assistance and interaction with CT countries and organizations, improve functionality of CT Atlas system and web access, include NOAA CCA data (supported by separate funding to NOAA for processing and analysis); collaboration with scientists and researchers working on CTI projects to integrate models and other spatial work in the CT Atlas, provide inputs to the ADB-supported State of the Coral Triangle Report, and explore links with the NASA-supported SERVIR information system. Build a dedicated network of GIS professionals (NGO, government, or university) working together in the CT issues/strategies.	■	■	■	■	CTSP-TNC
Support CTC in facilitating establishment of a CTI regional MPA Learning Network	■	■	■		PI
Support UPMSI in facilitating establishment of a CTI regional CCA Learning Network	■	■	■		PI
Support the further development of thematically and TWG related Learning Networks to address CTI RPOA and other goals	■	■	■	■	PI
Develop draft sustainability plan for the CTI Learning Network to ensure sufficient resources are identified for LN maintenance beyond the life of the USCTI			■	■	PI
Assist regional LGA conduct the 3rd CTI Mayor's Round Table to develop a MOA to build capacity for incorporating IMCM as a basic service (see also IRI.1)			■		PI
Assist LGAs in each country develop a "Wakatobi" commitment, Conduct EBM training for Local Chief Executives in association with LGAs in each CT country			■	■	PI
Support development of CTI MRT and LGN through small grant support to ICLEI		■	■		PI
Expand CTI Regional Secretariat communications strategy to include private sector audiences	■	■	■		PI
Track effectiveness of PPPs presented at 2011 Business Forum to increase engagement in CTI-related activities	■	■	■	■	PI
Support development of 4 additional PPPs based on regional exchange in Malaysia		■	■	■	PI
CT Atlas Support – Climatologies	■	■	■	■	NOAA
EBM Guidance Manual and Implementation	■	■	■	■	NOAA
<b>Ecosystem Approach to Fisheries Management (EAFM) Support</b>					
Development of EAFM regional guidelines to operationalize Goal 2, Target 1 of the RPOA with EAFM TWG and NCCs.	■	■			CTSP-CI
One legal/policy review of existing EAFM policies in each of Malaysia, Solomon Islands, and Timor-Leste.	■	■			CTSP-CI
Prepare a national EAFM position paper on government laws/policies in support of EAFM for each of Malaysia, Papua New Guinea, Philippines, Solomon Islands, and Timor-Leste.	■	■	■		CTSP-CI
Climate change and fisheries guidelines designed to assist local government units and NGOs to integrate climate change in local fisheries management plans.	■	■			CTSP-CI
Development of Climate and Ocean Acidification Guidelines	■	■	■	■	NOAA

**Table 3. US CTI Support Program 2011 Regional Activities**

REGIONAL ACTIVITIES					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
Development of EAFM Training Modules	■	■	■	■	NOAA
EAFM Toolkit Implementation	■	■	■	■	NOAA
Completion of MCS Assessment and Analysis	■	■	■	■	NOAA
Legal Analysis for EAFM and IUU	■	■	■	■	NOAA
IUU Transboundary Exercise	■	■	■	■	NOAA
LRFFT Stakeholder Forum	■	■	■	■	NOAA
EAFM training modules for (1) mid-level fisheries managers and (2) government officials developed and training conducted.			■	■	CTSP-CI
Conduct 3rd EAFM Regional Exchange and to assess implementation of regional framework and roadmap, fine tune the National EAFM operational guidelines, and conduct an EAFM executive course for the CT6 EAFM focal persons and TWG			■		CTSP
Support the drafting of the Regional EAFM course in collaboration with FAO, BOBLME and SEAFDEC for executives, middle managers, and community partners	■	■	■	■	CTSP
Support completion of study and analysis of China market footprint and impact on LRFT within the Coral Triangle		■			PI
Conduct regional LRFT meeting of market and producer countries to address necessary measures to sustain the trade				■	CTSP-WWF
<b>Marine Protected Area (MPA) Management Support</b>					
Present sustainable financing strategy/scenario for endorsement by CT-6 countries and recommend finance mechanisms and action plan for SSME (that include Berau, Tun Mustapha, and Sabah Coastal Water MPAs all located in Priority Geographies and Palawan, Tawi-Tawi and Verde Island Priority Geographies) based on financing shortfall and gaps.	■	■	■	■	CTSP-WWF
Finalize and disseminate principles of integration for fisheries and CCA within MPAs. Develop principles of design related to socio-economic factors and MPAs. Define CT MPA System for and with the CT-6 to move towards adoption of a common framework for the CTMPAS. Support interventions in selected CTSP countries and integration sites including but not limited to: Tun Mustapha MPA (Malaysia), Bali MPA Network (Indonesia); Manus area design (PNG). Develop and disseminate case studies on scaling up small MPAs (and networks). Develop and disseminate state of the art information on spill-over from MPAs and connectivity supporting enhanced fishing production.	■	■	■	■	CTSP-TNC
Develop and publish a Reefs at Risk report for the Coral Triangle Region (CT6) that highlights the region and issues pertaining to coral reef conservation. Publish in English and in Bahasa Indonesia.	■	■	■		WWF
Conduct MPA Regional Exchange to develop roadmap for CTMPAS establishment		■			CTSP
Conduct MPA Regional Exchange to introduce management effectiveness protocol				■	CTSP
<b>Climate Change Adaptation (CCA) Capacity Development</b>					
Socialize and present REAP-CCA for adoption by the SOM/MM	■				PI
Socialize and present REAP-CCA to local governments through the Mayor's Round Table and other mechanisms	■				PI
Conduct CCA sub regional course in Southeast Asia		■			PI
Finalize CCA Toolkit		■			PI
Provide support to US CTI Partners to socialize the CCA Toolkit in priority geographies		■	■	■	PI
Conduct CCA Regional Exchange to share lessons and document progress in planning and implementation of CCA early actions	■	■	■	■	NOAA
Printing LEAP Toolkit Materials	■	■	■	■	NOAA
Orientation on LEAP Toolkit	■	■	■	■	NOAA
REAP Technical Assistance	■	■	■	■	NOAA

**Table 3. US CTI Support Program 2011 Regional Activities**

REGIONAL ACTIVITIES					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
LEAP Technical Assistance	■	■	■	■	NOAA

## NATIONAL SUPPORT ACTIVITIES

The US CTI Support Program works directly with CT6 countries at the national and local level largely under the auspices of CTSP to address RPOA and NPOA goals. At the national level, the Program works with NCCs and relevant national institutions and at the local level efforts are channeled to Priority Geographies which were selected in consultation with CT6 governments and consider:

- CT6 government priorities;
- Existing presence of consortium members versus cost of new start-ups;
- Relative conservation values of potential locations;
- Existing or potential partners and their readiness;
- Potential for leveraging additional non-USAID resources;
- Political will; and
- Overall feasibility from a project implementation perspective.

### *Indonesia*

In order to better integrate and manage its Indonesia supported efforts, in 2012 USAID Indonesia overtook management of CTSP efforts from USAID’s Regional Development Mission for Asia. As part of the process, the USAID Indonesia CTSP partnership was re-launched as the Marine Protected Area Governance Program (MPAG). MPAG efforts will continue to support the overall CTI goals and further details of its contributions can be provided by the USAID Indonesia Mission.

NOAA support for CTI efforts in Indonesia are focused on fisheries management and enforcement support as well as mapping and spatial analysis and can be found below in Table 4.

**Table 4. Work Plan Activities in Indonesia**

INDONESIA					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>National</b>					
Port State Measures	■	■	■	■	NOAA
Fisheries Observer Training	■	■	■	■	NOAA
EAFM: Councils and Fisheries Management Plans	■	■	■	■	NOAA
Reef Fish Stock Assessment	■	■	■	■	NOAA
Mapping/Spatial Analysis	■	■	■	■	NOAA
Ecosystem Approach to Resilience and Sustainability; Incorporation of Climate Change and Ocean Acidification.	■	■	■	■	NOAA
MPA Enforcement and Compliance	■	■	■	■	NOAA

## Malaysia

US CTI Support Program activities in Malaysia are primarily led by CTSP. CTSP work in Malaysia is oriented around two closely related components of the Endgame Strategy: (1) EAFM Regional Framework Adopted and Guidelines Developed for National Operationalization; and (2) CT MPA System Developed and Adopted. Outcomes will be achieved through the official legal declaration of the Tun Mustapha Park (TMP) MPA; zoning and management plans for TMP and Kudat Banggi; a platform agreement for sales to Sabah hotels of live reef fish that are from certified growers using fingerlings from hatcheries; and community mobilization around MPA boundaries. The TMP MPA is an important component of the CTMPAS and SSME. The Regional CTMPAS and Malaysia TMP teams are sharing funds and collaborating on zoning and management planning that integrates EAFM and MPA implementation and strengthens institutions through spatial planning and analysis of connectivity and climate change elements. Work plan activities for Year 4 of the Program are summarized in Table 5.

**Table 5. Work Plan Activities in Malaysia**

MALAYSIA					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>National</b>					
Support to NCC.	■	■	■	■	CTSP-WWF
<b>Site Level: TMP</b>					
Socialize and finalize draft management plan through consultations with stakeholders for TMP including Kudat, Pitas, Kota Marudu and Sandakan, and integrate into final draft management plan for TMP.	■	■	■	■	CTSP-WWF
Develop criteria and indicators for success of co-management sites, assess success in collaboration with co-management sites, and train and support representatives from co-management sites to share lessons learned at selected events. Assess capacity of government agencies, WWF and other agencies (Persatuan HWW) to provide continuous support to co-management sites.	■	■	■	■	CTSP-WWF
Provide support to continue and monitor implementation of adapted TMP Fisheries Observer Program and Vessel Monitoring System involving commercial fishing industry, and develop training program on EAFM for TMP stakeholders including the fishing industry and members of the interim steering committee.	■	■	■	■	CTSP-WWF
Assess success of Alternative Livelihood Program in Maliangin and Berungus; monitor effectiveness of equitable profit sharing mechanism and structure; continue capacity building of community involved in the alternative livelihood program; and facilitate community representatives sharing lessons learned at selected events.	■	■	■	■	CTSP-WWF
Develop and implement a consultation plan to socialize the TMP draft management plan to stakeholders of TMP including Kudat, Kota Marudu, Pitas and Banggi districts, and finalize the draft management plan for adoption by Sabah Parks Board of Trustees.	■	■	■	■	CTSP-WWF
Review, finalize and integrate draft zoning plan into final draft management plan to be presented to the Sabah Parks' Board of Trustees. Prepare legal paper for the state attorney general to review and initiate legalization of rules and regulations relevant to zones in TMP. Continue ecological monitoring for TMP by conducting reef checks and developing socio-economic monitoring plan. Provide technical assistance on MPA design using MARXAN, incorporating biodiversity and fisheries objectives into TMP.	■	■	■	■	CTSP-WWF
Implement environmental awareness campaign and capacity building training for youth (18-40 years) via implementation of Green Lifestyle Campaign modules and sharing of lessons learned with other sites in the Coral Triangle.	■	■	■	■	CTSP-WWF
<b>Site Level: Sabah Coastal</b>					

**Table 5. Work Plan Activities in Malaysia**

MALAYSIA					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
Facilitate formation of a trader's group (cage /aquaculture operators, exporters of live fish, fishermen) and advocate adoption of standards for LRFT best management practices for aquaculture among the members, and by the Sabah government.	■	■	■	■	CTSP-WWF
Socialize the Best Management Practices and advocate for adoption by traders and aquaculturists through training, awareness, and advocacy activities.	■	■	■	■	CTSP-WWF

**Papua New Guinea**

US CTI Support Program activities in Papua New Guinea are primarily led by CTSP. In Papua New Guinea (PNG), CTSP focuses on community-based resource management through support for two processes: (1) passage of an environmental law that recognizes the right of a local-level government (LLG) to manage its own natural resources; and (2) formation of community-based associations or other management bodies to design, implement, manage, and monitor natural resources. Approval of the environmental law will coincide with the completion of the CTSP-supported LMMA management plans and the formation of management committees in a number of communities. The Regional CTMPAS team and teams in Milne Bay and Manus Provinces are sharing funds and integrating their work plans. These teams are also leveraging Australian Government funds for work in Milne Bay that will integrate EAFM, MPA design, and institutional strengthening into analyses of connectivity and climate change elements. The CTMPAS team is particularly focused on MPA network development in Manus as a component of the regional CTMPAS. Work plan activities for Year 3 of the Program are summarized in Table 6.

**Table 6. Work Plan Activities for Papua New Guinea**

Papua New Guinea					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>National</b>					
CTSP PNG consortium members form CTSP PNG learning network and link/connect to PNG National capacity building and learning network, CLMA is endorsed as the National Coordinating Body for the PNG learning network, PNG Learning network stakeholders consultation meeting to endorse University of PNG as lead in establishing the university network and link/connect to PNG national network.	■	■	■	■	CTSP-TNC
Provide technical assistance to the Department of Environment and Conservation to ensure that the CTI National Liaison Officer supports the national government and CTI partners. Supporting the CTI Liaison officer with means to liaise with local communities, NGOs and other implementation partners with the implementation of Priority Geography-specific CTSP activities, including attending community meetings/activities, and organizing and attending meetings by CTSP partners, etc.	■	■	■	■	CTSP-WWF
Review all CTSP-supported activities in order to formulate a way forward for the Madang provincial government to work towards the effective management of Madang Lagoon, without CTSP/ USAID anticipated support.	■	■	■	■	CTSP-WWF
Continue technical assistance to NFA (National Fisheries Authority) to finalize the community-based FAD deployment policy and best practice guidelines for FAD deployment; support 3 LLGs in Manus Province to apply the best practice guidelines.	■	■	■	■	CTSP-WWF
<b>Site Level: Milne Bay</b>					

**Table 6. Work Plan Activities for Papua New Guinea**

Papua New Guinea					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
Data collation of monitoring system measuring ecosystem trends (including beche-de-mere, BDM) across the NIPA Management Area and other sites. Feed information into the National NFA BDM database to assist in making better informed management decisions. Participate additionally through the National BDM Management Committee in revising the National BDM Management Plan.	■	■	■	■	CTSP-CI
Facilitate the processes of discussion and legal enactment of the Louisiade and Bwanabwana LLGov Environment Laws in cooperation with government officials. Provide guidance support to labam-Pahilele and Nuakata Management Committees for implementation of the legally recognised NIPA Management Plan. Develop Management Plan Wialoki.	■	■	■	■	CTSP-CI
In Milne Bay, field test and refine regionally developed approaches for the design of community-based resilient MPA/LMMAs and management planning processes using biological surveys of key ecosystems, community awareness raising, community led planning processes, and high level research input such as NOAA and CSIRO climate predictions.	■	■	■	■	CTSP-CI
<b>Site Level: Manus</b>					
Nali Sopat Local Level Government (LLG) EAFM Management Plan is replicated to Lele Masih Bupi Chupeu (LMBC) & Los Negros (LN) LLG so LMBC and LN LLG develop EAFM Management Plan. Manus Provincial Government also develop Provincial Policy on EAFM.	■	■	■	■	CTSP-TNC
Develop sustainable financing plans for 2 provinces (two integration sites, of Manus Province and Milne Bay) to be used as basis for extrapolation to a sustainable financing plan for effectively implementing the NPOA.	■	■	■	■	CTSP-WWF
Finalize the support to Pobuma LLG with the development of effective environmental legislation and action and continue to support Bisakani LLG support to draft effective legislation.	■	■	■	■	CTSP-WWF
Building local capacity to formulate designing of local Pere and Mbuke Community LMMA Resilient Network Design to be replicated within the Nali Sopat Penabu LLG, Pobuma LLG and provincial scale.	■	■	■	■	CTSP-TNC
Facilitate capacity building of relevant government officers and local CSO member partners to assist in formulating ward and LLG Integrated Sustainable Development Plan, and Policy for Nali Sopat Penabu, Lele Masih Bupi Chupeu and Pobuma LLG.	■	■	■	■	CTSP-TNC

### **Philippines**

US CTI Support Program activities in the Philippines are primarily led by CTSP. In Year 4, CTSP will continue EAFM support to enhance sustainable management of the live reef fish trade (LRFT) in three contiguous municipalities in northeast Palawan. This work stream is in keeping with the EAFM principle of working with legitimate and feasible scales of governance in ecosystems that cross political boundaries. CTSP will also continue to support the NCC’s effort to field test and improve two tools (MEAT and METT) in line with the Regional Management Effectiveness Protocol and climate change vulnerability assessments (Local Early Action Plans or LEAPs) throughout the Verde Island Passage. Two particularly important efforts in the Philippines are (1) linking with the CTMPAS team on the Verde Island Passage MPA network cluster and (2) expanding the university-based mentor-mentee program—supported by new funding from USAID/PH—to include thematic mentoring (e.g. MPAs, EAFM and CCA) in several Philippine universities. In addition, at the request of USAID/PH, CTSP will continue to support the Turtle Islands transboundary ecotourism agreement between the Philippine and Sabah, Malaysia governments. Work plan activities for Year 3 of the Program are summarized in Table 7.

**Table 7. Work Plan Activities in the Philippines**

PHILIPPINES					
Year4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>National</b>					
Expand the University Mentoring Program to include additional themes, i.e., socio-economic aspects of coastal and marine sector management, sustainable fishing, GIS/remote sensing, climate change vulnerability /risk assessment and adaptation, and other Priority Geographies.	■	■	■	■	CTSP-CI
Assess opportunities associated with the Philippines CTI Scholarship, Fellowship, and Research Grant.	■	■	■	■	CTSP-WWF
Develop; present to key stakeholders and partners; and formalize the institutional framework/ mechanisms on the administration and management of the Philippines university mentoring program.	■	■	■	■	CTSP-WWF
Develop the eligibility guidelines and application procedures and review for the Philippines – CTI Professorial Chair and Publications Grant.	■	■	■	■	CTSP-WWF
Administer the Philippines CTI Scholarship, Fellowship and Research Grant, the CTI Professorial Chair Award, and the Publications Grant.	■	■	■	■	CTSP-WWF
Expand the University Mentoring Program to include additional themes, i.e., socio-economic aspects of coastal and marine sector management, sustainable fishing, GIS/remote sensing, climate change vulnerability /risk assessment and adaptation, and other Priority Geographies.	■	■	■	■	CTSP-CI
Assess opportunities associated with the Philippines CTI Scholarship, Fellowship, and Research Grant.	■	■	■	■	CTSP-WWF
Provide logistical and technical support to NCCC for NPOA implementation. Develop a database and knowledge management system for NIPAS and MPA management in the Philippines.		■	■	■	CTSP-CI, CTSP-WWF
Complete the consultations on National Integrated Protected Area System (NIPAS) and integrate results, of policy review and stakeholder consultations related to benchmarking management effectiveness of NIPAS MPAs, into policy recommendations and formulation.		■	■	■	CTSP-CI
Conduct consultations and develop site-based plans for identified priority geographies in the West Philippine Seas that address critical coastal habitats, fisheries, and tourism.		■	■	■	CTSP-CI
Provide technical assistance to the national and local government agencies in Sabah and in the Philippines to initiate a Public-Private Partnership for the transborder ecotourism program of Turtle Islands Heritage Protected Area.	■	■	■	■	CTSP-CI
<b>Site Level: Palawan</b>					
Continued identification of LRF spawning aggregation sites and providing technical assistance to local governments to declare and manage them as MPAs.	■	■	■	■	CTSP-WWF
Provide technical assistance to local government in developing a tracking system for LRF. This system will track fish from the source, including both wild-caught and caged fish. The system will help ensure that LRF coming from the sites were caught by registered fishers using legal fishing methods.		■	■	■	CTSP-WWF
Provide technical assistance to local governments for priority geography-specific LRFT sustainability plan implementation that includes industry and community participation.	■	■	■	■	CTSP-WWF
Provide technical assistance to local governments for priority geography-specific LRFT sustainability plan implementation that includes industry and community participation.	■	■	■	■	CTSP-WWF
Provide technical assistance to local government of Taytay in establishing and piloting of tracking system for sources of LRF. This system will track fish from the source, including both wild-caught and caged fish. The system will help ensure that LRF coming from the sites were caught by registered fishers using legal fishing methods.	■	■	■	■	CTSP-WWF
Provide technical assistance to local government in MPA and MPA network management. The project provides assistance in policy development and science-based research results (e.g., on SPAGs, fish cages, and fish landing).	■	■	■	■	CTSP-WWF
Provide technical assistance to LGU in drafting policies/ amendments according to the priorities identified in the CCA plan.	■	■	■	■	CTSP-WWF

**Table 7. Work Plan Activities in the Philippines**

PHILIPPINES					
Year4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>Site Level: TAWI TAWI</b>					
Continued identification of LRF spawning aggregation sites and providing technical assistance to local governments to declare and manage them as MPAs.	■	■	■	■	CTSP-WWF
Capacity building through organizational development for the Sitangkai Seaweeds Development Council to improve local management of the seaweed industry.		■	■		CTSP-WWF
Conduct fish warden training/deputization; extend technical assistance to MPA councils in implementing MPA management plan.		■	■	■	CTSP-WWF
Provide technical assistance to LGU in drafting policies/ amendments according to the priorities identified in the CCA plan.	■	■	■	■	CTSP-WWF
<b>Site Level: Verde Island Passage</b>					
Advance support of the local government and communities to the dulong fishery research and monitoring that will lead to the drafting of policy recommendations for fisheries management through consultations, capacity building, and science-based information dissemination.	■	■	■	■	CTSP-CI
Continue implementation of the VA/CCA Module developed by the Philippines climate change experts in two municipalities in Batangas and two municipalities in Mindoro		■	■	■	CTSP-CI
Conduct policy review and provide technical assistance to facilitate CCA planning, which emphasizes mangrove reforestation as a CCA strategy in two of 3 provinces of the Verde Island Passage.		■	■	■	CTSP-CI
Undertake CRM planning incorporating elements of climate change adaptation in Lubang-Looc MPA and monitor and evaluate management effectiveness.	■	■	■	■	CTSP-CI

### **Solomon Islands**

US CTI Support Programs activities in the Solomon Islands are primarily led by CTSP. In keeping with the Endgame Strategy, CTSP will focus efforts in Western Province. CTSP acts as a catalyst and supporter for Solomon Islands Government (SIG) programs, particularly given the lack of staff capacity outside the capital and logistical challenges. In agreement with the SIG, CTSP provides technical assistance directly to local communities in Western Province for implementation of community-based resource management (CBRM) in a Priority Geography. Spatial planning related to the Western Province MPA network will be strengthened, and a LEAP will be developed and implemented that links SIG with sub-national governments in Western Province. Additionally, CTSP will support development of a set of sustainable financing options to ensure long-term funding for MPAs and community managed marine areas, including supporting implementation of sustainable financing plans in at least two sites, and assisting with securing funding for these plans. Work plan activities for Year 3 of the Program are summarized in Table 8.

**Table 8. Work Plan Activities in the Solomon Islands**

SOLOMON ISLANDS					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>National</b>					
Provide technical assistance to the Ministry of Environment, Conservation, and Meteorology to ensure that the "CTI National Liaison Officer" provide services to the national government and CTI partners. Provide assistance to local communities to implement Priority Geography-specific CTSP activities, including community participation, and organizing and attending meetings by CTSP partners, and to WFC to implement activities related to the agreed CBRM policy. Work with NGO partners to ensure the MPA Act regulations are passed.	■	■	■	■	CTSP-WWF
Finalize sustainable financing plan for Western Province integration site to be used	■	■	■	■	CTSP-

**Table 8. Work Plan Activities in the Solomon Islands**

SOLOMON ISLANDS					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
together with the SF plan for Central Province, completed in CTSP Year 3) as basis for extrapolation to a sustainable financing plan for effectively implementing the NPoA.					WWF
1. In consultation with the wider communities of at least 3 zones following the adaptation planning exercise above; identify, cost and implement at least one locally relevant and tested adaptation activity in each. 2. Write a lessons learned document targeted at the Western Province government to inform policy development. 3. Make a presentation on CCA and its relation to CBRM+ to the Western Province government.		■	■		CTSP-WFC
<b>Site Level: Western Province</b>					
1. Finalize installation of demarcation and mooring system in at least 5 sites in Western Province. 2. Develop a monitoring and assessment system for enforcement and compliance in relation to the markers and produce a recommendations paper for other MPAs in Solomon Islands. 3. Prepare an information paper for Provincial government to ensure compliance with other legislation (ordinances maritime association, customary law etc).	■	■	■	■	CTSP-WWF
1. Train (youth) monitoring teams from each of the 5 zones of the GMCA, Western Province) in identified monitoring techniques to assess the efficacy of their management in accordance with their agreed management plans. 2. Facilitate the monitoring team to conduct one full monitoring cycle. WWF staff to analyze and store data and present data back to communities. 3. Conduct basic data analysis and interpretation training for communities.	■	■	■	■	CTSP-WWF
Implement CBRM in Gizo through the following components: 1. Conduct planning meetings with each zone of the GMCA to agree to MP zones, boundaries, rules and norms. 2. Write Management Plans for at least 3 Gizo MPA's the GMCA 3. Train MP committees in committee management 4. Use GMCA as an example to develop a management plan template for submission for consideration under the Protected Areas Act. 5. Write a critical assessment / lessons learned of the process of registering MPs under the PA Act for MECDM. 6. Work with Western Province government and other stakeholders in Western Province to revise Fisheries Ordinance to account for MPAs and LMMAs OR to have a separate Resource Management ordinance.	■	■	■	■	CTSP-WWF
1. Undertake participatory CCA planning with at least 3 GMCA zones using a participatory tools (such as the LEAP tool being developed with Regional CTSP partners). 2. Facilitate the national CC working group (TWG) to meet to capture a summary of methodologies developed and trialed through the CTSP program (questionnaire, Participatory planning and 3D mapping) 3. Prepare tools descriptions in handout form for communities and write a policy recommendation for MECDM and MFMR to inform CC policy.	■	■	■	■	CTSP-WFC

**Timor-Leste**

US CTI Support Programs activities in Papua New Guinea are primarily led by CTSP with some activities directly led by NOAA. In Timor-Leste, one of the world's newest nations, CTSP works very closely with government partners to support the government's highest priorities from the NPOA. Initiatives include a study examining the costs and benefits of ratifying several international conventions; creating a national strategy for aquaculture; and creating a national capacity-development strategy that includes a plan for ecotourism. CTSP also supports management planning in NKS to advance conservation in the park and to create a model for planning and zoning protected areas. A marine RAP will be conducted in NKS to support conservation, ecotourism, MPA and EAFM objectives.

NOAA activities are largely focused on assisting the government of Timor build capacity in four key areas of marine ecosystem-based management including: identification and mapping of marine resources; understanding local reliance on the resources; identification of the threats and change of resources over time; and identification of approaches to enhance management and conservation of resources over time. Work plan activities for Year 4 of the Program are summarized in Table 9.

**Table 9. Work Plan Activities in Timor Leste**

TIMOR-LESTE					
Year 4 (2012)	Timeframe				Program Lead
	Q1	Q2	Q3	Q4	
<b>National</b>					
Support the NCC including participation in CTI processes and monitoring progress on implementation of the NPOA by providing technical, programmatic, and logistical assistance.	■	■	■	■	CTSP-CI
Support office and operating costs including staff and expenses to oversee co-ordination, administration, and programmatic management for CTSP operations.	■	■	■	■	CTSP-CI
Provide technical assistance as requested by government to support the ratification of CITES convention and complete and present to the government the cost/benefit analyses of ratifying RAMSAR.	■	■			CTSP-CI
Implement agreed national marine management capacity building strategy including: marine management mentor to build capacity of Fisheries and CTSP staff, a lecture and training series including visiting university professors and trainers, and scholarships to support two Fisheries staff to attend professional training.			■	■	CTSP-CI
Conduct a Marine and Coastal Rapid Assessment Program (RAP) to gather needed biological and fisheries data to support comprehensive marine management of NKS while providing a learning opportunity for local marine practitioners.				■	CTSP-CI
Satellite mapping of coral reefs and near shore ecosystems	■	■	■	■	NOAA
Rapid coral reef ecosystem assessment	■	■	■	■	NOAA
Socioeconomic monitoring training of trainers	■	■	■	■	NOAA
Climate change and ocean acidification threat assessments	■	■	■	■	NOAA
Establish integrated biophysical/socioeconomic monitoring	■	■	■	■	NOAA
Building management capacity	■	■	■	■	NOAA
<b>Site Level: NKS</b>					
In cooperation with the National Fisheries Department, district officials, and local community leaders, devise, conduct, and evaluate community marine conservation Information, Education, and Communications Strategy.	■	■	■	■	CTSP-CI
Support communities through technical input and further trainings of appropriate marine management approaches including marine and biological monitoring, management planning, and zoning.			■	■	CTSP-CI
Continue with scaling up LMMA activities at selected sites and continue delivering fisheries data analysis training with government staff.	■	■			CTSP-CI
Scale up co-management and eco-tourism training with local communities by preparing and conducting workshops, trainings, practical demonstrations, presentations, exchange visits, and formal education in tourism and hospitality.			■	■	CTSP-CI