



WORLD BANK APPRAISAL STAGE: GEF DATA SHEET

PROJECT TYPE: FSP ENDORSEMENT
TYPE OF TRUST FUND: GEF TRUST FUND

PROJECT INFORMATION

Project Title: Capturing Coral Reef and Related Ecosystem Services (CCRES)			
Country(ies):	Indonesia and the Philippines,	GEF Project ID:	4635
GEF Agency(ies):	World Bank Group	GEF Agency Project ID:	P123933
Other Executing Partner(s):	Global Change Institute of the University of Queensland	Submission Date:	May 15, 2013
GEF Focal Area (s):	International Waters	Project Duration(Months)	60 months
Name of Parent Program (if applicable):	Scaling Up Partnership Investments for Sustainable Development of the Large Marine Ecosystems of East Asia and their Coasts (PROGRAM)	Agency Fee:	\$ 360,000
	<ul style="list-style-type: none"> For SFM/REDD+ <input type="checkbox"/> 		

A. FOCAL AREA STRATEGY FRAMEWORK

Focal Area Objectives	Expected FA Outcomes	Expected FA Outputs	Trust Fund	Grant Amount (\$M)	Co-financing (\$M)*
IW-3	Outcome 3.2: On the ground modest actions implemented in water quality, quantity, fisheries, and coastal habitat demonstrations for blue habitat to protect carbon. Indicator: Measurable results contributed at demo scale.	Output 3.2: Demo-scale local action implemented, including in basins with melting ice and to restore/protect coastal "blue forests"	GEF TF	0.8	4.87
IW-3	Outcome 3.3: IW portfolio capacity and performance enhanced from active learning/KM/experience sharing Indicator: GEF 5 performance improved over GEF 4 data from IW Tracking Tool	Output 3.3: Active experience/sharing /learning practiced in the IW project portfolio	GEF TF	1.6	10.15
IW-3	Outcome 3.4: Targeted research networks fill gaps. Indicator: Coral reef and nutrient reduction research results incorporated into new agency/GEF IW projects	Output 3.3: Active experience/sharing /learning practiced in the IW project portfolio	GEF TF	1.7	9.44
	Project Management		GEF TF	0.4	3.35
Total project costs			GEFTF	4.5	27.81

*This co-financing reflects both direct (UQ) and parallel financing, including from research partner institutions and from the investments being made in World Bank beneficiary projects directly linked to CCRES: (a) COREMAP-CTI and (b) the

Philippines Rural Development Project. In addition not included here, are additional funds the Project Executing Agency will attempt to raise from collaboration with research partners, as it did successfully under the Coral Reef Targeted Research Project.

B. PROJECT FRAMEWORK

Please see Project Cost and Financing and PAD Annex 1: Results Framework (below).

Project Objective: <i>to design and support the uptake of innovative models for valuing mangrove, seagrass and coral reef ecosystem services with the potential to enhance the sustainability of marine-based enterprise and marine spatial planning in select coastal communities in Indonesia and the Philippines.</i>						
Project Component	Grant Type	Expected Outcomes	Expected Outputs	Trust Fund	Grant Amount (\$M)	Confirmed Cofinancing (\$M)
1. Quantifying the value and market potential of coral reef and mangrove ecosystem services	TA	(i) Methods for calculating and incorporating ecosystem service values into models that demonstrate explicit links between ecosystem health and the value of ecosystem services, and applying these models in marine spatial planning; (ii) Information interpreted and accessible to target audiences, including as visualization tools on coastal defense in the face of climate change.	Development of three or more quantitative models of coral reef ecosystem service values, including data on spatial, temporal and demographic (e.g., stakeholder) distribution for at least three sites	GEF TF	1.6	10.15
2. Forging community-led innovation in capturing and sustaining benefits from marine ecosystem services and enhancing resilience in the face of climate change	TA	(i) Adoption of innovative and sustainable eco-business models linked to ecosystem services for at least three specific eco-businesses across different locations (ii) Potential for reduction of environmental stress and net economic benefits through proper zoning for sustainable use and maintenance of ecosystem services demonstrated through MSP models	Two or more new or improved eco-business models developed reflecting a range of ecosystem services and incorporating criteria of economic, environmental and social sustainability (ii) MARXAN plus Zoning Models calculate stress reduction in various MSP scenarios, for example: effects of No-Take Zones on herbivores and likely effects on controlling coral disease and algal overgrowth; the amount of CO2 emissions reduced by restoring hydrology to	GEF TF	1.7	9.44

			degraded mangroves in areas zoned for habitat restoration and factored into PES; carrying capacity indicators in areas zoned for commercial aquaculture monitored and compared with those in unregulated fish farming operations.			
3. Promoting behavioral change through outreach, decision support and regional learning from the results at field sites	TA	(i) Adoption of strategies based on outputs of above models, in government policies or regulations in two or more sectors/sub-sectors in at least two countries; (ii) models inform the design of regional and national GEF, WB projects, development plans or policies. (iii) GEF portfolio in East Asian Seas is enhanced by knowledge shared by CCRES across projects.	(i) Five plans/projects (Government; GEF and WB Pipeline) call for reducing stress to maintain value of ecosystem services. (ii) 1% of the Grant will be allocated to support IW Learn activities related to South-South learning and portfolio knowledge sharing.	GEFTF	0.8	4.87
Project management Cost (PMC)				GEFTF	0.4	3.35
Total project costs					4.5	27.81

C. SOURCES OF CONFIRMED COFINANCING FOR THE GEF FINANCING BY SOURCE AND BY NAME (\$)

Sources of Cofinancing ¹	Name of Cofinancier	Type of Cofinancing	Amount (US\$M)
Grant	The University of Queensland	In cash	2.00
Salaries, recurrent costs	CCRES Partners	In-kind	3.90
Loan (IBRD)	Government of Indonesia (COREMAP-CTI)	Hard Loan	6.91
Loan (IBRD)	Government of the Philippines (Philippines Rural Development Project)	Hard Loan	15.00
Total Cofinancing			27.81

¹ The GEF definition of co-financing is broad and includes both sources directly accessible to the project in cash or in kind, as well as parallel financing which contributes to project goals and objectives and is influenced by the project but is not under the control of the project.

D. GEF/LDCF/SCCF/NPIF RESOURCES REQUESTED BY AGENCY, FOCAL AREA AND COUNTRY

GEF Agency	Type of Trust Fund	Focal Area	Country Name/ Global	(in \$)		
				Grant Amount (a)	Agency Fee (b)	Total c=a+b
WB	GEF TF	International Waters	Regional (Indonesia, The Philippines)	\$4.5 M	\$0.36M	\$4.86M
	(select)	(select)				
Total Grant Resources				\$4.5 M	\$0.36 M	\$4.86M

E. DOES THE PROJECT INCLUDE A “NON-GRANT” INSTRUMENT? NO

E. STATUS OF IMPLEMENTATION OF PROJECT PREPARATION ACTIVITIES AND THE USE OF FUNDS: PPG of \$200K is in the process of being completed and it will be reported on when closed. The grant is executed by the University of Queensland.

Key Results Framework

Annex 1: Results Framework and Monitoring

Country: Capturing Coral Reef & Related Ecosystem Services Project

Project Development Objective (PDO):

The Project Development Objective is to design and support the uptake of innovative models for valuing mangrove, seagrass and coral reef ecosystem services to enhance the sustainability of marine-based enterprise and marine spatial planning in select coastal communities in Indonesia and the Philippines. The PDO aims to help communities capture more of the benefits from healthy ecosystems and promote conservation, by demonstrating the links between ecosystem health, local benefit capture and community welfare.

PDO Level Results Indicators*	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR 5				
Indicator One: Innovative models developed at two or more sites by the project, demonstrating explicit links between ecosystem health, the value of ecosystem services, and their distribution among stakeholders	<input type="checkbox"/>	Number of sites where models are developed	Zero			Piloted in at least 1 site for at least 1 ecosystem service or sector	Piloted in at least 1 site for at least 2 ecosystem services or sectors	Piloted in at least 2 sites for at least 2 ecosystem services or sectors	Mid-term Year 5	Survey of Project sites adopting the models	Component Teams	Models relate to (i) eco-system service valuation and distribution, (ii) Marine Reserve Design and Optimization; and (iii) Marine Spatial Planning
Indicator Two: Develop new or improve existing business models directly or indirectly linked to coastal marine zone ecosystem services in at least two sites	<input type="checkbox"/>	Number of sites with business models developed	Zero			1	2	2	Mid-term Year 5	Survey of Eco-business stakeholders	Component Teams	Profitable, competitive businesses that have products which benefit from and contribute to coastal marine ecosystems
Indicator Three: Project developed models and knowledge products inform the design of regional and national projects, development plans or policies and community based coastal resources management plans.		Number of projects/plans utilizing project-developed models or tools in their design	Zero			2	4	5	Mid-term Year 4 Year 5	Requests for technical assistance Documents of projects/plans using these models	PEA	

Core Indicators: Direct project beneficiaries (number), of which female (percentage)		Number and percentage	tbd									
GEF IW Indicator: Plans/projects call for reducing stress to maintain value of ecosystem services	<input type="checkbox"/> IW Indic	Number of projects/plans promoting stress reduction based on models	Zero			1	3	5		Government planning documents; GEF and WB pipeline	PEA	

INTERMEDIATE RESULTS

Intermediate Result (Component I): Quantifying the value and market potential of mangrove, seagrass and coral reef ecosystem services

Intermediate Level Results Indicators	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
<i>Intermediate Result indicator One: At least three</i> Models of ecosystem function and services developed	<input type="checkbox"/>	Model of service or function	Zero			1	2	3	Mid-term Year 5	Articles in peer reviewed journals and reports Protocols developed Surveys of each field site in the project	Component Team	Three models will be developed relating to the valuation of ecosystem services, e.g., supporting reef fisheries, eco-tourism, blue carbon, coastal defense, and water filtration.
<i>Intermediate Result indicator Two:</i> Innovative, comprehensive decision support systems for marine reserve design which help optimize management objectives developed	<input type="checkbox"/>	Number of Decision support systems	Zero			1 Pilot Support System	1 Operational System	1 applied in MSP context	Mid-term Year 5	Publications Peer reviewed journal articles Field site	Component Team	

										surveys		
<i>Intermediate Result indicator Three:</i> Planning frameworks that incorporates models of ecosystem functions and services, <u>including coastal defense</u> , and decision support systems developed in response to stakeholder demand (e.g., local government)		MSP framework developed	Zero			1 Pilot MSP Framework	Extended MSP Framework in at least one site	Extended MSP Framework in at least two sites	Mid-term Year 5	Peer reviewed publications Decision support system	Component Team	

Intermediate Result (Component II): Forging Community-led innovation in capturing and sustaining benefits from marine ecosystem services and enhancing resilience in the face of climate change

Intermediate Level Results Indicators	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
<i>Intermediate Result indicator One:</i> Develop and analyze system maps for each site detailing interactions between specific ecosystem services and social-economic sectors	<input type="checkbox"/>	Number of sites	Zero			System Map developed four sites	System Map developed four sites	System Map developed and analyzed four sites	Year 2	Report produced Peer reviewed journal articles Desktop study	Component Team	Analysis of sustainable eco-business opportunities will use systems thinking and value chain perspective and approach
<i>Intermediate Result indicator Two:</i> Nurture new and/or existing businesses that offer products and services linked to ecosystem services in at least two sites	<input type="checkbox"/>	Number of sites	Zero			1	2	2	Year 3 Mid-term Year 5	Models developed Field site surveys	Component Team	Eco-business models will be developed for 5-6 business propositions – reef fishery; blue carbon; water filtration, eco-tourism, among others
<i>Intermediate Result indicator Three:</i> Develop affordable decision toolkit for use by stakeholders that is applicable	<input type="checkbox"/>	Toolkit yes/no						1	Mid-term Year 5	Toolkit developed	Component Team	

across all sites												
Intermediate Result (Component III): Promoting behavioral change through outreach, decision support and regional learning from results at selected field sites												
Intermediate Level Results Indicators	Core	Unit of Measure	Baseline	Cumulative Target Values**					Frequency	Data Source/ Methodology	Responsibility for Data Collection	Description (indicator definition etc.)
				YR 1	YR 2	YR3	YR 4	YR5				
<i>Intermediate Result Indicator One:</i> Information and knowledge products shared with the Strategic Partnership for East Asian Seas, governments, technical networks and existing projects		Number of information sharing and dissemination campaigns held	Zero			10	20	40	Years 3, 4 and 5	Workshop surveys and media used to disseminate ² KPs	PEA	
<i>Intermediate Result Indicator Two:</i> Stakeholders perceive benefits in incorporating information on ecosystem services into decision-making.		% of key stakeholders and formal Networks who perceive these benefits.	To be set by the values analysis surveys in Year One	Baseline			10% improvement over baseline	15% improvement over baseline		Values and attitudinal study surveys	PEA	

² Evaluation survey on the utilisation of information resources; Peer reviewed publications; training reports; anecdotal accounts; information resources database Assessment surveys in the target regions determining baseline knowledge and subsequent uptake of the information resources (baseline; midterm; end of the project); request for TAs, information resources (trainings, tools, manuals); Inclusion or adoption of project information resources in menu of EBM tools to support existing national and regional programs.