

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES KAGAWARAN NG KAPALIGIRAN AT LIKAS YAMAN

NOTICE OF MEETING

FOR

The Directors

Biodiversity Management Bureau (BMB)

Ecosystems Research and Development Bureau (ERDB)

Environmental Management Bureau (EMB)

Foreign-Assisted and Special Projects Service (FASPS)

Forest Management Bureau (FMB)
Land Management Bureau (LMB)
Policy and Planning Service (PPS)
Climate Change Service (CCS)

Bureau/Office Focal Persons for the Climate-Resilient

Cities Project

FROM

The Director

Climate Change Service

SUBJECT

INVITATION FOR A MEETING WITH CLIMATE-RESILIENT CITIES PROJECT (NATURAL CLIMATE SOLUTIONS COMPONENT) THROUGH THE CONSERVATION INTERNATIONAL REGARDING THE LIST OF DENR PROGRAMS AND PROJECTS RELATED TO

NATURE-BASED SOLUTIONS

DATE

11 September 2023

In line with the United States Agency for International Development (USAID) Climate Resilient Cities (CRC) Project¹, and as a follow-up activity of the <u>meeting²</u> conducted on July 7, 2023, we invite you or your duly authorized representatives for a meeting (see <u>Activity Briefer³</u>) on 21 September 2023, 9:00 AM to 11:00AM at the FMB Conference Room (1st Floor).

Kindly confirm your attendance through the attached Confirmation Slip (Annex A) to the DENR Climate Change Service at 8928-1194 or email ccs@denr.gov.ph (cc Ms. Cheryl Ventura, Cl National Coordinator, at cventura@conservation.org) by Tuesday, 19 September 2023.

ELENIDA DEL ROSARIO BASUG

a five-year technical assistance program that will help the cities in the Philippines to adapt, mitigate, and endure the impacts of climate change by increasing their access to climate financing and tools to build resilience
 July 7 Meeting Minutes Link: https://tinyurl.com/July7MinutesCRCNCS

³ September 21 Activity Briefer Link: https://tinyurl.com/ActvtyBrfrNCSPPS

MEETING WITH CLIMATE-RESILIENT CITIES PROJECT (NATURAL CLIMATE SOLUTIONS COMPONENT) THROUGH THE CONSERVATION INTERNATIONAL REGARDING THE LIST OF DENR PROGRAMS AND PROJECTS RELATED TO NATURE-BASED SOLUTIONS

Thursday, 21 September 2023, 9-11:00 AM FMB Conference Room (1st Floor)

CONFIRMATION SLIP

NAME	POSITION	E-MAIL ADDRESS	MOBILI NUMBE
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2.			
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DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES KAGAWARAN NG KAPALIGIRAN AT LIKAS YAMAN

MEETING WITH CLIMATE-RESILIENT CITIES PROJECT (NATURAL CLIMATE SOLUTIONS COMPONENT) THROUGH THE CONSERVATION INTERNATIONAL REGARDING THE LIST OF DENR PROGRAMS AND PROJECTS RELATED TO NATURE-BASED SOLUTIONS

ACTIVITY BRIFFER

ACTIVITY BRIEFER		
Date and Time	September 21, 2023 9:00 – 11:00 AM	
Venue	FMB Conference Room (1st Floor)	
Objective/s	This meeting serves as a continuing engagement between DENR (Climate Change Service, Policy and Planning Service, Foreign-Assisted and Special Projects Service and concerned Bureaus) and Conservation International on the USAID Climat Resilient Cities (CRC) Project. Specifically, to discuss the list of DENR Programs and Projects related to Nature-Based Solutions ¹ as provided by the Policy and Planning Service.	
	The CRC team through CI would like to determine which ones to review based on status of the aforementioned programs/projects those in draft forms, under drafting stage, and at zero stage. This will help to pragmatically select (in the order of priorities as well by DENR) the items, collate the documents needed, and define the review protocol to follow.	
Background	The USAID Climate Resilient Cities is a five-year technical assistance program that will help the cities in the Philippines adapt to, mitigate, and endure the impacts of climate change by increasing their access to climate financing and tools to build resilience.	
	Updates: NCS Policy Presentation / CRC Project Overview Meeting Date: May 17, 2022 Venue: DENR OSEC Conservation International headed by Mr. Wilbur Dee presented the National Climate Solutions Roadshow to introduce the Climate Resilient Cities Project. The said project aims to improve resilience by strengthening the adaptive capacities of Philippine cities to adapt to, mitigate, and manage the impacts of climate change and disasters. Initially, their target geographic scope are Batangas, Legazpi, Borongan, Iloilo, Cotabato and Zamboanga.	

¹ Link: <u>https://tinyurl.com/ListPPSNBS</u>



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

KAGAWARAN NG KAPALIGIRAN AT LIKAS YAMAN

- Workshop with Technical Staff on Natural Climate Solutions (NCS) For USAID Climate Resilient Cities (CRC) Project
 - o Date: May 31, 2022
 - Venue: FMB Conference Room
 - To ensure that there is a more programmatic approach for technical assistance to be provided by the CRC Project to the DENR on NCS, the Conservation International facilitated a technical workshop for the following Bureaus/Offices CCS, BMB, ERDB, EMB, FASPS, FMB, LMB and PPS. Each representative delivered a 7-minute presentation containing the NCS or Ecosystem-based Adaptation (EbA) policies and projects that their office is implementing or proposing in the next 5 years.
 - Workshop Output²
 - CCS Presentation³
- Meeting on Natural Climate Solutions (NCS) for USAID Climate Resilient Cities (CRC) Project
 - o Date: July 7, 2023
 - Venue: FMB Conference Room
 - To discuss the updates on Outcome 3 Activities under the Natural Climate Solutions of the Climate Resilience Cities Project.
 - Meeting Minutes⁴

List of Attendees

Representatives from

- 1. Climate Change Service (CCS)
- 2. Foreign-assisted and Special Projects Service (FASPS)
- 3. Policy and Planning Service (PPS)
- 4. Forest Management Bureau (FMB)
- 5. Biodiversity Management Bureau (BMB)
- 6. Ecosystems Research and Development Bureau (ERDB)
- 7. Lands Management Bureau (LMB)
- 8. Environment Management Bureau (EMB)

Proposed Agenda

Time	Activity	Lead
9:00 AM -	Registration of Participants	DENR
9:15 AM	Opening Program Acknowledgment of	CCS/CI

² Link: https://tinyurl.com/NCSWshopOutput
³ Link: https://tinyurl.com/CCSpptNCS

⁴ Link: https://tinyurl.com/July7MinutesCRCNCS



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES KAGAWARAN NG KAPALIGIRAN AT LIKAS YAMAN

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		participants Program Rationale	
9:15 AM - 9:30 AM		Updates on the CRC Project	СІ
	9:30 AM - 10:30 AM	Discussion on the list of <u>DENR Programs and Projects related to Nature-Based Solutions</u> ⁵ as provided by the Policy and Planning Service	CI, DENR PPS and concerned Bureaus
		Review based on the status of the programs/projects — those in draft forms, under drafting stage, and at zero stage.	
	10:30 AM - 10: 45 AM	Break / AM Snacks	
	10:45 AM - 11:00 AM	Next Steps / Ways Forward	CI, DENR CCS
Contact Person DENR Climate Change Service Raquel Ortega rscortega@denr.gov.ph Joan Frances Laborte jfjflores@denr.gov.ph Jeffrey Santos jdsantos@denr.gov.ph DENR FASPS Conrad A. Bravante Jr. cabravantejr@denr.go		<u>v.ph</u>	
Cheryl Ventura, National Coordinator			

ATTACHMENTS

<u>Letter from Conservation International re Meeting Request September 21, 2023 Notice of Meeting</u>

cventura@conservation.org +639088874406

⁵ Link: https://tinyurl.com/ListPPSNBS



Republic of the Philippines

Department of Environment and Natural Resources

Visayas Avenue, Diliman, Quezon City 1100 Trunkline: (+632) 929-6626 / 929-6635 / 929-4028 / 929-4028 E-mail: web@denr.gov.ph / Website: http://www.denr.gov.ph

MEMORANDUM

FOR

The Director

Climate Change Service

FROM

The OIC, Director

Policy and Planning Service

SUBJECT

LIST OF PROGRAMS AND PROJECTS RELATED TO

NATURE-BASED SOLUTIONS

DATE

15 AUG 2023

With reference to the agreements during the Meeting on Natural Climate Solutions (NSC) Climate Resilient Cities Project held on 7 July 2023 at the FMB Conference Room, we are providing you herewith the list of Programs and Projects that are related to Nature-based Solutions.

The tagging of the activities indicated was based on the presentation of Assistant Secretary Noralene Uy at the Brown Bag Session on Nature-Based Solutions (NBS) for Climate and Disaster Resilience on 6 July 2023.

For information and reference.

CHERYL/LOISE T. LEAL, EnP.



Republic of the Philippines

Department of Environment and Natural Resources

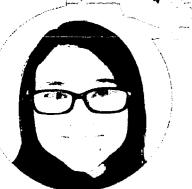
Visayas Avenue, Diliman, Quezon City 1100 Trunkline: (+632) 929-6626 / 929-6635 / 929-4028 / 929-4028 E-mail: web@denr.gov.ph / Website: http://www.denr.gov.ph

NBS Measure	Program	Activity	
Reforestation/Agroforestry/Watershed	Forest Development, Rehabilitation,	National Greening Program	
management	and Maintenance and Protection		
Alternative livelihood	Protected Area Development and	Biodiversity-Friendly	
	Management	Enterprise (BDFE),	
Sustainable Management – Zoning,	Natural Resources Management	Delineation of Production	
Watershed Management	Arrangement and Permit Issuance	Forest for Potential Investment	
	Soil Conservation, Watershed		
	Management including River Basin	Formulation of Integrated	
	Management and Development	Watershed Management Plans	
	Protected Areas, Caves, and	Delineation and	
	Wetlands Development and	Demarcation of Boundaries	
	Management - Scaling up Coastal	in Legislated PAs,	
	and Marine Management	Formulation of Protected Area Management Plans	
Mangrove, salt marsh, wetland restoration	Scaling up Coastal and Marine Management	Mangrove Enrichment	
Restoration of reefs	Scaling up Coastal and Marine	Water quality monitoring	
	Management	Active rehabilitation of corals	
Bush control	Natural Resources Management	Establishment of firelines	
busin control	Arrangement and Permit Issuance – Forest Protection		
Removal of invasive species	Protection and Conservation of	Direct activities conducted -	
•	Wildlife	Crown-of-thorns starfish	
		population control,	
		implementation of the	
	Scaling up Coastal and Marine	National Invasive Species	
	Management	Strategy and Action Plan	
Urban green areas	Protected Areas, Caves, and	Identification of urban green	
0	Wetlands Development and	spaces in cities, Urban	
	Management	biodiversity assessment and	
		profiling, Urban biodiversity	
		management planning and implementation	

NATURE-BASED SOLUTIONS for Climate and Disaster Resilience







DR. NORALENE UY Office of the Secretary, DENR



Search by Name



Area of Expertise



Country

Ecosystem-Based Adaptation

Dr. Noralene Uy

Email: noralene@gmail.com

Area of Expertise: Ecosystem-based disaster risk reduction, Ecosystem-based adaptation, Environmental policies, environmental governance. Ecosystem management / natural resources management, Disaster risk reduction policies, risk governance, risk management, Disaster risk quantification: risk assessments/ vulnerability assessments/ hazard

Region or Country: Global scale





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OVERVIEW

PRINCIPLES AND
GLOBAL STANDARD
FOR NbS

108

ENABLERS & BARRIERS



KNOWLEDGE GAPS



WHERE WE STAND ON NbS "actions to protect, sustainably manage, and restore natural or modified ecosystems, that address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits" (IUCN)

Nature offers multiple solutions to societal chellenges

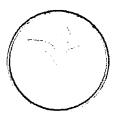




Climate change mitigation and adaptation



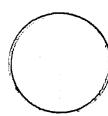
Disaster risk reduction



Economic and social development



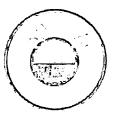
Human health



Food security



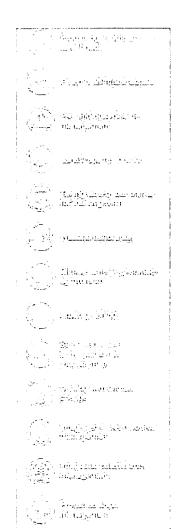
Water security

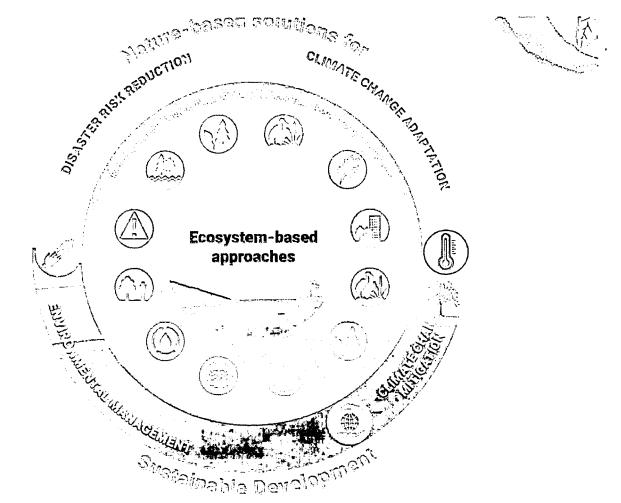


Environmental degradation and biodiversity loss



Source: IUCN (2020). Global Standard for Nature-based Solutions. A user-friendly framework for the verification, design and scaling up of NbS. First edition. Gland. Switzerland: IUCN.





Source: UNDRR. (2021). Nature-based Solutions for Disaster Risk Reduction. Word Into Action. Geneva: UNDRR



B) Degraded ecosystems

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C) Risk reduction service

Biophysica: Supply

Some

Value

Wighting Divienting

D) Other Ecosystem services

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Prophysical Scripty

Service:

Value

13. Allie Carrette

Source: Ruckelshaus, M. et al. (2020). Harnessing new data technologies for nature-based solutions in assessing and managing risk in coastal zones. International Journal of Disaster Risk Reduction *51*. 101795.

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	6.1 Nature- based solutions	6.1.1 Conduct natural resources and ecosystem accounting, valuation, stocktaking, inventory and assessment	×	x	x
NoS as an		6.1.2 Conduct carrying capacity studies and research on terrestrial, coastal, and marine habitats and resources	×	×	×
output und	er .	6.1.3 Mainstream ecosystem values into national and local development	x	×	×
the Philippi		planning, including ecosystem services indicators, monitoring systems and databases			
NUREND		6.1.4 Protect intact habitats, restore and rehabilitate degraded ecosystems/habitats	×	×	×
2020-208		(e.g., mangroves, wetlands, forest, coral reefs), and improve urban green spaces	·		<u> </u>
DEMRes		6.1.5 Promote sustainable integrated area development, and participatory environmental governance	×	×	i *
		6.1.6 Promote sustainable community resource-based enterprises and livelihood programs	x	×	x
		6.1.7 Formulate and implement the Integrated River Basin Management and Development Plan	X	×	×



المستعدد		restoration	Planting
	-2 3		Protection zones
	WE		Hydrology amelioration
		Restoration of reefs	Coral nurseries
			Coral transplant
			Artificial reef creation
		Managed realignment	Hydrology amelioration
			Replacing defense further away from coast
	()	Sustainable resource use/fisheries	•
	(Second)		Zoning
			Education / awareness raising
		Integrated coastal zone management	Use of a combination of approaches ideally in partnership with local communities
		Conservation	Creation and management of protected area(s)
	ì	Alternative livelihoods	Ecotourism, honey production, etc.
		Sand management	Beach nourishment
-	بنشن		Dune rehabilitation
			Artificial dune construction
	\bigcirc	Watershed management	Upstream management to protect water quality (see Forest/Agriculture/Slopes)



interventions per ecosystem type



NBS MEASURE SPECIFIC INTERVENTIONS Reforestation Nurseries **Planting** Alternative livelihoods Use of manure instead of firewood, ecotourism, etc. Agroforestry Intercropping Alley or strip cropping Shade systems Crop diversification Soil and water management Sustainable management Zoning Use of a combination of approaches ideally in partnership with local communities Conservation Creation and management of protected area(s)



		NBS MEASURE	SPECIFIC INTERVENTIONS
		Living weirs	Bamboo or log grids across river with biodegradable sacks containing elements for soil
	* * * * * *		Planting and natural regeneration of stabilizing plants on the river bank whose roots will also colonize the bamboo/log grid.
		Watershed management	Use of a combination of approaches at the watershed scale through integrated water resource management, ideally in partnership with local communities
•		Renaturation	Recreating natural river forms
•	malk		Planting vegetation
٠		Removal invasive species	Removal of species
	~	Conservation	Creation and management of protected area(s)

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NBS MEASURE

SPECIFIC INTERVENTIONS

Wetland



Conservation

Creation and management of protected area(s)



Restoration

Hydrological landscape shaping

Planting

Removal invasive species

Removal of species



Sustainable resource management

Use of a combination of approaches, ideally in partnership with local communities

Nurseries	
Mixed farming	
Intercropping	
For e.g. using nitrogen-fixing species	
Collect rainwater	
Creation of community gardens and biomanure	
See Forests	
Use local species to manage pests (e.g. ducks in vineyards)	
Terracing	
Conservation tillage	
Indigenous practices	
Irrigation	
Creation of protected zones	
Rolation	
Ecotourism, etc.	
Planting of areas on degraded land	



	NBS MEASURE	SPECIFIC INTERVENTIONS
\wedge	Revegetation	Nurseries
		Planting and natural regeneration
	Conservation	Creation of protected zones
	Bush control	Fire management regimes
	Sustainable grazing management	Use of a combination of approaches, ideally in partnership with local communities
		Zoning

Removal of species

Removal invasive species