

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)  
(As of December 2021)**

	Project title	Fund source	Implementing agency	Description of program/ project components	Cost (in million PHP)	A/M/D classification	Remarks
<b>Loans</b>							
1	Scaling Up of the Second Cordillera Highland Agricultural Resource Management Project (CHARMP 2)	IFAD	DA	Agroforestry and watershed management	55.16	A	Adaptation through agroforestry and watershed management
				Agriculture, agribusiness and income generating activities	50.72	A	Production of environmentally safe products
				Rural infrastructure development (rid)	393.91	A	Domestic water supply and community irrigation systems
2	Fisheries, Coastal Resources, and Livelihood Project (FishCORAL)	IFAD	DA	Coastal resource management	26.17	A	Construction and maintenance of climate-resilient bay management and multi-purpose buildings for 13 bay management councils
					32.73	A	Construction and maintenance of climate-resilient watch-towers for 103 municipalities
					32.39	A	Construction/rehabilitation of climate-resilient fish landing jetty or timber port for 11 bays / gulfs
				Livelihood development	250.64	A	Construction of climate-resilient communal solar dryer in stilts with storage for 103 municipalities

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3	Philippine Rural Development Project (PRDP) - Original Loan and PRDP-Additional Financing	WB, GEF	DA	Infrastructure development	28,396.18	A	Engineering designs of rural infrastructure subprojects will incorporate standards aligned with the principles of climate change adaptation and mitigation. Designs will emphasize low-cost and easily-implementable measures that increase resilience and reduce vulnerability of rural infrastructures from extreme climate events.
				Enterprise development	2,403.65	A	In the preparation of subproject proposals, consultation of commodity experts from DA, attached Bureaus, and other relevant agencies is considered to ensure that appropriate technology is considered. Preparation of designs are based on climate-smart approach and are within the engineering and structural standard.
4	Philippines Seismic Risk Reduction and Resilience Project (PSRRRP)	WB	DPWH	Improving multi-hazard resilience of public buildings and facilities	11,908.93	DRR	Structural and functional improvements of public buildings and facilities to improve multi-hazard resilience
				Improving emergency preparedness and response in public works	2,512.60	DRR	Improving emergency response preparedness and response in DPWH through procurement of response equipment and capacity building activities

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5	Beneficiary First Social Protection Project	WB	DSWD	Contingent emergency response	No Data	A	The objective of the contingent emergency response component, with a provisional zero allocation, is to allow for the reallocation of financing to provide an immediate response to an eligible crisis or emergency, as needed which include (a) cyclone, (b) earthquake, (c) storm, (d) storm surge and strong waves, (e) tornado, (f) tsunami, (g) volcanic eruption, (h) flood, (i) landslides, (j) forest fires, (k) drought, (l) severe weather, (m) extreme temperature, (n) high winds, (o) dam break, and (p) any natural disaster or man-made crisis.
6	Kapit-Bisig Laban sa Kahirapan- Comprehensive and Integrated Delivery of Social Services National Community-Driven Development Program Additional Financing (KCNCDP-AF)	WB	DSWD	Barangay sub-grants for planning and investment	0.10	A	The NCDDP is guided by the Environmental and Social Management Framework (ESMF). For the implementation of the NCDDP AF, the preparation of the Environmental and Social Management Plan was made a pre-requisite in the preparation of engineering technical documents. The ESMP presents all identified environmental and social risks, the mitigating activities, when the mitigating activities will be implemented, and the cost of the mitigating activity. The mitigating activities are included as items of work in the technical documents; thus, the amounts will be identified at sub-project level.
					0.30	M	
				Local capacity building and implementation support	5.50	DRR	
7	Forestland Management Project (FMP)	JICA	DENR	Survey, mapping and planning	16.09	A	Activities include: mapping of sub-project area and conduct of socio-economic baseline survey
				Community organizing	91.79	A	Conduct of People's Organizations capacity building training

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				Site development	2,293.00	M	Maintenance of established plantations
				Agroforestry support facilities	1,873.00	DRR	Construction and maintenance of agroforestry support facilities
				Policy initiative	16.75	A	Creation/strengthening of watershed management bodies including cost sharing mechanism
8	Integrated Natural Resources and Environmental Management Project (INREMP)	ADB, IFAD	DENR	Conservation forestry	102.634	M	Conservation forestry includes community-based protection and monitoring, reforestation, and assisted natural regeneration.
				Commercial forestry	21.576	M	Commercial forestry includes agroforestry, conservation farming, and commercial tree plantation.
9	Italian Assistance to the Agrarian Reform Community Development Support Program (IARCDSP)	Italy	DAR	Rural infrastructure (i.e., farm-to-market roads, bridges, communal irrigation systems, post-harvest facilities, and potable water supply)	616.51	A	Adaptation and mitigation measures were considered in the preparation of engineering designs, to include erosion control and reduction of soil degradation.

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10	Chico River Pump Irrigation Project (CRPIP)	China	NIA	Component: mitigating measure on environment	0.32	M	Involved tree planting activities
11	Cavite Industrial Area Flood Risk Management Project (CIA-FRIMP)	JICA	DPWH	Civil works component	6,279.21	DRR	The project aims to mitigate damages due to flooding in the lower reach of San Juan River basin and its adjacent Maalimango Creek Drainage Area in Cavite Province.
12	Flood Risk Management Project in Cagayan de Oro (FRMP-CDOR)	JICA	DPWH	Civil works component	6,850.96	DRR	The project aims to strengthen the resilience of the communities along the Cagayan de Oro River stretch (from the Macalajar Bay to the Pelaez Bridge) to climate change and other hydrometeorological hazards by mitigating flood risk in the area through construction of flood mitigation structures.
13	Pasig-Marikina River Channel Improvement Project, Phase 4 (PMRCIP-IV)	JICA	DPWH	Civil works component	18,869.70	DRR	The project aims to mitigate flood damages in Metro Manila caused by channel overflow of the Pasig-Marikina River by implementing river channel improvement works together with non-structural measures in consideration with the flood risk management
14	Integrated Disaster Risk Reduction and Climate Change Adaptation	KEDCF	DPWH	Civil works component	5,253.73	DRR	The project aims to mitigate flood damage to Pampanga by increasing the waterways capacity of Third River, Eastern Branch River, CaduangTete, and Sapang Maragul River.

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	Measures in Low-Lying Areas of Pampanga (IDRR-CCA)						
15	Metro Manila Flood Management Project (MMFMP)	WB/AIIB	DPWH	Civil works component	17,643.50	DRR	The project aims to improve flood management in target areas in Metro Manila through the following: (a) modernizing drainage areas; (b) minimizing solid waste in waterways; and (c) participatory housing and resettlement.
16	Samar Pacific Coastal Road Project (SPCRP)	KEDCF	DPWH	Civil works	123.06	M	The amount for mitigation is intended to fund the construction of slope protection and drainage structures along the road.
17	Metro Manila Priority Bridges Seismic Improvement Project (MMPBSIP)	JICA	DPWH	Civil works	1,835.05	DRR	The project aims to strengthen the resiliency of transport network in Metro Manila by improving the durability and safety of bridges against large scale earthquake. The project involves replacement of substructure including foundation of inner bridges and replacement of substructure including foundation of inner bridge of Guadalupe Bridge; and Lambingan Bridge with vertical geometric improvement of approach road on both sides.
18	Maritime Safety Capability Improvement Project for the Philippine Coast Guard, Phase I	JICA	DOTr	Construction and delivery of ten (10) multi-role response vessels	8,873.99	DRR	Multi-role response vessels to be purchased under the project will conduct search and rescue during maritime incidents and assist in transporting relief goods during natural disasters.

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19	Maritime Safety Capability Improvement Project for the Philippine Coast Guard, Phase II (MSCIP I)	JICA	DOTr	Construction and delivery of two (2) 94-meter multi-role response vessels	7,795.30	DRR	
20	New Bohol Airport Construction and Sustainable Environment Protection Project (NBACSEPP)	JICA	DOTr	Biodiversity conservation project (Reforestation)	32.51	M	Involves the planting of seedlings as part of reforestation efforts under the project. MOA between DOTr and DENR for this undertaking was signed on July 18, 2018. As of December 2019, there are 697,327 seedlings planted
				Solid waste management plan (SWMP)	1.95	A	The SWMP shall guide the project proponent and LGU in implementing measures and mechanisms to mitigate environmental impact of wastes from airport construction work and operation.
21	Water District Development Sector Project (WDDSP)	ADB	LWUA	Roof-slabbing of pump houses and other building/structures	1.00	A	Typhoon-proofing
				Rip-rapping of surroundings of ground storage tanks and other	1.00	A	To prevent soil erosion and maintain stability

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				facilities built on slopes			
Grants							
1	Strengthening the Marine Protected Areas to Conserve Marine Key Biodiversity Areas (SMART-SEAS)	GEF, UNDP	DENR	Increased management effectiveness of Marine Protected Areas (MPAs) and Marine Protected Area Networks (MPAN)	0.32	A	The project incorporates climate change adaptation and disaster risk reduction measures in its policies and management plans.
				Improved financial sustainability of MPAs and MPANs	9.92	A	
				Established enabling policy framework for marine biodiversity conservation	0.02	A	

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2	Ozone Depleting Substances-Extension of Institutional Strengthening Project (Phase XII)	UNEP	DENR	Institutional strengthening	0.37	M	The project developed domestic policies on enforcement of ozone-depleting substances (ODS) regulation and licensing system to limit and monitor its consumption. This is in order to sustain compliance with the Montreal Protocol, which calls for the gradual phase-out of production of products containing ODS such as hydro chlorofluorocarbons (HCFCs).
3	Global Partnership for Improving the Food Cold Chain in the Philippines	UNIDO	DENR	Policy and regulatory assessment	0.50	M	Outputs designed to contribute to reduction of energy use throughout the food cold chain, resulting in GHG reduction: National Standards on energy efficiency and/or minimum efficiency requirements; and Energy efficiency low carbon development plan.
				Awareness and capacity building	0.57	M	The focus of this component is building awareness, knowledge and capacity of the stakeholders on the use of energy efficient, low carbon and safe alternatives in the food cold chain industry.
				Technology transfer	1.15	M	New global innovative cold chain technologies using zero or low climate impact refrigerants and systems will be made available in the country
4	Improved Ecosystem Services and Reduced Vulnerability to Climate Change	GIZ	DENR	Output 1: Coordinated implementation of ecosystem-based adaptation measures	160.00	A	Strengthen ecosystem services, protect biodiversity and reduce vulnerability to climate change and natural disasters

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Through Ecosystem-Based Management and Ecosystem Services Valuation in Two River Basins in the Philippines (E2RB)			Output 2: Coordinated implementation of ecosystem adaptation measures	40.00	A	
			Output 3: Integration of ecosystem services valuation instruments into government policies and procedures	40.00	A	
			Output 4: Knowledge and information on ecosystem-based adaptation made available for scaling-up	26.67	A	

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5	Establishment of an Integrated Water Resources Management Information System for the Pampanga River Basin (IWRMIS Phase II)	KOICA	DENR	GIS based integrated water resources management information system	138.62	DRR	GIS-based decision support system for water management; water permit management system; and hydrological analysis system based on river flow analysis
6	Responsible Land Governance in Mindanao (RLGM)	Germany through BMUB	DENR	Output A: Enhancement of the land sector development framework from 2017-2030 to 2019-2040 (gender, conflict, climate mitigation) 2020-2021  Review of land-related laws and policies on tenure	3.58	A	The integrated regional development approach of DENR includes adaptation to extreme weather events, such as droughts, storms or floods, as an important development objective. The creation of joint management structures will help to prevent the degradation of forests and protect or rehabilitate water catchment areas. The application of zoning models in spatial planning and land management will respond to the need for adaptation to climate change. Awareness raising measures will show the population and decision-makers ways in which they can act locally to counteract the consequences of climate change.

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			Output B: Harmonization plans - model 3: harmonization of barangay development plans (barangay Carmen, Davao City and Sinoron Sta. Cruz) to ADSDPP (2020-2021)			
			Improving capacities on conflict-sensitive environment & natural resources management for LGUs in Gingoog Bay Area			
			Conducting training for selected LGU staff and barangay agricultural based on the curriculum "climate resilient coconut farm management"			

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			(2020-2021)			
			2 training of trainors' on climate resilient coconut			
			Education and awareness raising on climate change adaptation mitigation in coconut & upland farms thru radio program			
			Output C: Training Sangguniang Kabataan (SK) youth on video production on land governance and climate change adaptation (Consultancy)			
			Video training of SK of Gingoog bay Alliance			

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				Radio Program - 2 training of trainers			
7	Integrated Approach in the Management of Major Biodiversity Corridors (BD Corridor) in the Philippines	UNDP/ GEF	DENR	Application of network design and management of biological corridors to ensure continued stability and sustainability of their biological, ecosystem services and socio-economic conservation values	267.01	M	Integrate ecosystem management framework for adoption in the biodiversity corridors; integrate site-specific cluster conservation plans through stakeholder and community consensus and decision making processes for areas of critical high biodiversity with biodiversity corridors; improve the management effectiveness of existing Protected Areas; identify other effective area-based conservation measures for improved protection and conservation within key biodiversity areas; and support capacity building for local and regional governments and sector stakeholders in the pilot corridors mainstreaming integrated ecosystems management measures into their policies, planning and monitoring systems.
8	Protect Wildlife Project	USAID	DENR	Reduce threats to Philippine biodiversity, such as poaching and the illegal trade of wildlife products and improve ecosystem goods and services	No Data	M	Greenhouse gas emissions avoided are estimated at 1,250.333 metric tons, resulting from the improved management of 751,077 hectares of protected areas and forest lands supported by Protect Wildlife.  Agroforestry initiative covering 198,000 hectares in Mount Matalingahan Protected Landscape and forestlands in southern Palawan to improve tree cover.

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9	Sustainable Interventions for Biodiversity, Oceans, and Landscapes (SIBOL)	USAID	DENR	Increase effectiveness of natural resource and protected area management and demonstrate positive environmental behavior through development of social capital	No Data	M	About 1,776 hectares of protected areas covered by sustainable landscape activities supported by USG assistance results in the reduction of carbon dioxide emissions by an estimated 1 million metric tons. Incorporating susceptibility/vulnerability analysis or ecosystems and communities in the zoning regime as part of the LGU comprehensive land use plans will improve the overall resiliency and provides guidance in identifying suitable areas for relocating/resettling communities that reside in highly susceptible areas with appropriate social and infra support and safety nets. The results of green assessments including the provision for initial assistance in restoration and livelihood activities for vulnerable communities and threatened ecosystems will result in disaster risk reduction.
10	Demonstration of best available techniques (BAT) & best environmental practices (BEP) in Open Burning Activities in Response to the Stockholm Convention on Persistent	UNIDO	DENR	Legislative improvement  Institutional strengthening  Demonstration activities  Education and awareness	64.30	M	The objective of the project is to achieve sustainable reduction of unintentional by produced POPs (UP-POPs) releases by enhancing guidelines and guidance on best available techniques and best environmental practices (BAT/BEP) in open burning practices in the ESEA region.

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	Organic Pollutants (POPs)			Monitoring and evaluation			
11	Implementation of PCB Management Programs for Electric Cooperatives and Safe E-wastes Management (PCB-WEEE)	UNIDO	DENR	Protection of human health and environment through sound management of PCBs and PBDEs	No Data	A	The disposal facility is located in an area with very low hydrologic risk.
					No Data	DRR	The project will reduce the environmental effect of floods by removing sources of POPs.
12	Access to Sustainable Energy Programme (ASEP)	EU	DOE	Investment support	1,698.50	M	This component of the project will assist government efforts to mainstream photovoltaic technology in rural electrification and supports government energy agencies through technical assistance to strengthen their capabilities in the use of sustainable energy and resiliency against climate change.
				Call for proposal	1,229.95	M	Facility to innovate electricity/energy solutions in support of job creation, livelihood and climate resilient communities.
13	Development for Renewable Energy (RE) Applications	GEF	DOE	RE policy and planning	25.25	A	Under this component, the project is involved in the development, approval, and enforcement of several implementing mechanisms under the RE Law. Policy development was supported through

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	Mainstreaming and Market Sustainability (DREAMS Project)						hiring of technical experts to conduct studies, prepare policy briefs, and draft circulars on specific mechanisms.
				Institutional strengthening	47.35	A	Under this component, the project conducts the Local RE Capacity Building Program (LREP), which assists LGUs in integrating RE into development plans, local policies, and processes.
				Capitalized RE market	51.74	A	Under this component, the project provides technical assistance to RE Registrar (RER) to operationalize and bring the Philippine RE Market System to commercial operation.
				RE commercialization	114.87	A	Under this component, the project implements a USD1 Million Support Facility for Renewable Energy (SF4RE).
14	Better Life for Out-of-School Girls to Fight Against Poverty and Injustice in the Philippines	KOICA	DepEd	Girls education centre	60.00	DRR	Engineering design of infrastructure includes measures for flood mitigation as well as earthquake and strong wind proofing.
15	Disaster Risk Management and Institutional Strengthening Project	AFD	DILG	DILG capacity on disaster risk reduction management (DRRM) and DRR performance	3.20	A	Building the capacity of the DILG offices involved in DRR/CCA is necessary to improve the quality of technical assistance services they provide to LGUs on disaster preparedness.

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			management strengthened				
			Disaster preparedness audit (DPA) systems enhanced and scaled up	0.51	A	Building and formulating the competency requirements and enhancement programs of DILG for DRRM and DRR Performance Management is a critical work and output of Component 2. This serves as the basis for the development of the proposed national LGU DP audit system.	
			LGUs capacitated to perform disaster preparedness (DP) mandates	1.10	DRR	Key activities under Component 3, particularly LGU DP training roll-out, are expected to be conducted after the proposed LGU DP capacity levels or performance standards have been firmed up and the necessary DP training modules for each LGU DP capacity or performance standard levels have been prepared/developed. In effect, the activities and outputs under Component 3 are intrinsically linked, if not an intervening part, of activities such as piloting of the LGU DP Audit System under Component 2.	
16	Capacity Development Technical Assistance (CDTA) on Strengthening Public-Private Partnerships (PPP) in the Philippines (TA)	ADB	PPPC	Capacity building component	25.30	A	Provision of specialized expertise in the development and evaluation of climate-resilient local PPP projects. A Resiliency Core Team (RCT) was formed in the Project Development Service tasked with mainstreaming climate resiliency in project development.  Incorporating policy recommendations into the PPP Center's Local PPP Strategy on developing and promoting robust and climate-resilient local

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7796 – PHI) with additional funding from UCCRTF (Urban Climate Change Resilience Trust Fund)						PPP projects based on lessons learned. The PPP Governing Board has issued Resolution No. 2018-12-02 on “Guidelines on Safeguards in PPPs: Mainstreaming Environmental, Displacement, Social and Gender Concerns”, covering resilience to natural hazards including climate change and requires vulnerability to natural hazards as a criterion for project location.
			Project development and monitoring facility (PDMF) component	126.50	A	PDMF supports project preparation and transactions advisory services for local PPP projects with climate change and urban resilience features.