

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

	Project title	Fund source	Implementing agency	Description of program/ project components	Cost (in million PHP)	A/M/D Classification	Remarks
Loans							
1	Fisheries, Coastal Resources, and Livelihood Project (FishCORAL)	IFAD	DA	Coastal resource management	91.9	A	Construction and maintenance of climate-resilient bay management and multi-purpose buildings for 13 bay management councils Construction and maintenance of climate-resilient watchtowers for 103 municipalities 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
2	Philippine Rural Development Project (PRDP) - Original Loan and PRDP-Additional Financing	WB, GEF	DA	Infrastructure development (I-BUILD)	28,396.18	A	Engineering designs of rural infrastructure subprojects will incorporate standards aligned with climate change adaptation and mitigation principles. Designs will emphasize low-cost and easily implementable measures that increase resilience and reduce the vulnerability of rural infrastructures to extreme climate events.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				Enterprise development (I-REAP)	2,403.65	A	In the preparation of subproject proposals, consultation commodity experts from DA, attached Bureaus, and other relevant agencies is considered to ensure that appropriate technology is considered. Design preparation is based on a climate-smart approach and within the engineering and structural standard.
3	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 includes (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.
4	Improving Growth Corridors in Mindanao Road Sector Project (IGCMRSP)	ADB	DPWH	Civil works component	164.57	M	Engineering design includes use of coco-net (CN 700), coco-logs/fascine (CN 300) and vegetation (Vetiver Grass System)

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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5	Reconstruction and Development Plan for Greater Marawi-Stage 2	ADB	DPWH	Civil works component	0.36	M	Engineering design includes use of coco-net (CN 700), coco-logs/fascine (CN 300) and vegetation (VetiverGrass System)
6	Samar Pacific Coastal Road Project (SPCRP)	KEDCF	DPWH	Civil works component	6.87	M	Engineering design includes use of coco-net (CN-700, coco-logs/fascine (CN 300), and vegetation (Vetiver Glass System)
7	New Bohol Airport Construction and Sustainable Environment Protection Project (NBACSEPP)	JICA	DOTr	Biodiversity conservation	32.51	M	The reported cost of CCAMDRR-responsive component of the project was about 0.36% of the project's PHP 8,914.67 million total cost. CCAMDRR-responsive engineering design included measures for erosion control and reduction of soil degradation during construction, adoption of solar-power generation system/ materials and landscaping.
8	Kapit-Bisig Laban sa Kahirapan-Comprehensive and Integrated Delivery of Social Services National Community-Driven Development Program Additional Financing (KCNCDP-AF)	WB	DSWD	Improving emergency preparedness and response in public works	2,512.60	DRR	Improving emergency preparedness and response in DPWH through procurement of response equipment and conduct of capacity building activities
					307.60	M	
				Local capacity building and	1,079.20 0.69	DRR A	

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				implementation support	9.12	M	
					4.65	DRR	
9	Forestland Management Project (FMP)	JICA	DENR	Community organizing	5.96	A	Conduct of capacity building training for People's Organizations
				Site development	9.70	M	Maintenance of established plantations
				Agroforestry support facilities	261.91	DRR	Construction and maintenance of agroforestry support facilities designed to include measures for erosion control and reduction of soil degradation.
				Policy initiative	3.63	A	Creation/strengthening of watershed management bodies including cost sharing mechanism
10	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
11	Cavite Industrial Area Flood Risk	JICA	DPWH	Civil works component	9,052.00	DRR	The project aims to mitigate damages due to flooding in the lower reach of San Juan River

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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	Management Project (CIA-FRIMP)						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	Integrated Disaster Risk Reduction and Climate Change Adaptation Measures in Low-Lying Areas of Pampanga (IDRR-CCA)	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, Caduang Tete River, and Sapang Maragul River.
14	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.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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15	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
16	Metro Manila Priority Bridges Seismic Improvement Project (MMPBSIP)	JICA	DPWH	Civil works	776.42	DRR	Engineering designs include measures for erosion control and reduction of soil degradation and improvement of road approaches.
17	Maritime Safety Capability Improvement Project for the Philippine Coast Guard, Phase II (MSCIP II)	JICA	DOTr	Construction and delivery of two 94-meter multi-role response vessels	7,795.30	DRR	The two vessels were turned over to the Philippines on 7 March 2022 and 7 June 2022.
18	Philippines Multisectoral Nutrition Project	DOH	WB		No data	DRR	<p>A condensed package of services shall be administered by the project during emergencies:</p> <ul style="list-style-type: none"> - Provision of reproductive health services and basic primary care services for women and children; - Nutrition and infant and young child feeding (IYCF) services;

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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							<ul style="list-style-type: none"> - Management of moderate and severe acute malnutrition; - Breastmilk and food relief; and - Child growth monitoring <p>This is further complemented by disaster preparation that should be accounted for during the development of the Local Nutrition Action Plan (LNAP), and Disaster Risk Reduction and Management in Health (DRRMH) Plan through capacity building on Nutrition in Emergencies for community-based health workers and volunteers as part of disaster preparation</p>
19	Build Universal Health Care Program	ADB	DOH		No data	DRR	<p>The program loan was able to accomplish the following:</p> <ul style="list-style-type: none"> - Green Health Facilities Conference 2022, Promoting Greener, Healthier, and Safe Health Facilities for All; - DOH Hospitals recognized as Green Health Facilities through the Green Viability Assessment System; - Released DOH Department Memorandum 2022-0493, Request for Review of the Draft Operational Guidelines and Standards of Water and Sanitation for Health Facility Improvement Tool - Training of trainers for the developed Health

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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							Care Waste Management (HCWM) 4th Edition to the Center for Health Development - Health Facility Development Units
20	Metro Manila Bridges Project	ADB	DPWH	DED component	12,044.74	DRR	Part of the Detailed Engineering Design (DED) Phase of the entails an Initial Environmental Examination (IEE) that identifies mitigation measures for climate change and environmental disasters, which were considered in the design and will be implemented during the actual construction of the project.
21	Samal Island-Davao City Connector Project	China	DPWH	DED and civil works component	22,784.69	DRR	<p>Land:</p> <p>On structural failure. Use of a good competent designer and contractor and supervised to ensure high quality finish. Use of high-quality materials and scaffoldings during construction. Regular maintenance and monitoring of the structure particularly during operations phase.</p> <p>On changes in sub-surface geology and underground conditions due to the project, inducement of subsidence, karst subsidence, liquefaction and mass movements. Conduct</p>

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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						<p>of detailed geotechnical and subsurface investigations during the DED phase, leading to the design of ground improvement activities to be implemented during construction.</p> <p>Water:</p> <p>On damage or collapse due to tsunami, seiches, and storm surge. The final design of mitigating measures such as breakwaters or wave dissipating blocks.</p> <p>On increase in flooding susceptibility. Proper drainage channels take into consideration surface water flows and existing structures in the area. Ground disturbance and removal of vegetation are minimized to preserve watershed characteristics. Provision of overflows to avoid water build-up on bridges when drainage infrastructure is blocked. Design the structures to have clearance above established flood levels.</p> <p>On degradation of water quality. Application of appropriate erosion control measures such as the addition of pavements, concrete sea walls, sediment traps, and barriers</p>

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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							<p>during heavy rain periods. Hauling of soil debris and other excavated materials from the site. Location of the motor-pool area should be at least 500 meters away from any body of water. Set up of portable sanitary facilities and collection of wastewater to be disposed of accordingly. The contractor will be required to comply with the Civil Works Guidelines.</p> <p>Air:</p> <p>On alteration of air quality from vehicles, fugitive dust, and from equipment use. Regular and adequate sprinkling of water on the premises to minimize the dust particles generated. Preventive maintenance of heavy equipment and vehicles. Regular monitoring of the concentrations of PM2.5, PM10, TSP, SO2, and NO2 shall be done to ensure that the levels of these pollutants will still be within the DAO 2000-81.</p>
22	Bucana Bridge	China	DWPH	Civil works component	4,043.00	DRR	The Bucana Bridge will serve as an alternate route to the existing to the existing urban road network of Davao City, which is presently experiencing vehicular traffic

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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							congestion as such, and is expected to generate a large volume of diverted traffic.
Grants							
1	Fish Right Program	USAID	DA	Mainstreaming resilience into ecosystem-based fisheries management	No data	A	No data
				Effective management of mangrove forests	No data	A	No data
2	Improved Ecosystem Services and Reduced Vulnerability to Climate Change Through Ecosystem-Based Management and Ecosystem Services Valuation in Two River Basins in the Philippines (E2RB)	GIZ	DENR	Coordinated implementation of ecosystem-based adaptation (EbA) measures	160.66	A	Strengthen ecosystem services, protect biodiversity, and reduce vulnerability to climate change and natural disasters.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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			Financial instruments to support ecosystem-based measures	40.17	A	No data
			Integration of ecosystem services valuation instruments into government policies and procedures	40.17	A	No data
			Knowledge and information on EbA made available for scaling-up	26.78	A	No data

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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3	Responsible Land Governance in Mindanao (RLGM)	Germany through BMUB	DENR	Mandated national agencies have developed improved mechanisms for the management of public lands	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 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.
				Capacities of local governments in Mindanao have been developed for a responsible land administration and management	7.69	A	
				Cooperation between national agencies and local governments for	1.53	A	

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				the exchange of information and data in relation to land use and land rights has been strengthened			
4	Establishment of Smart Greenhouse and Capacity Building in the Philippines	MAFRA	DA	Establishment of smart greenhouse	61.34	A	<p>The greenhouses were built taking into consideration historical data on extreme weather conditions that Western Visayas has experienced in the past. In particular, the structures withstood Super Typhoon Odette on 16 December 2021 and Tropical Storm Paeng on 29 October 2022. The irrigation system installed in the smart greenhouses conserves water and the climate-proof structures produce crops off season and almost all year round, thereby making available some crops which are not readily accessible off season.</p> <p>The Smart greenhouse employed water management techniques like water conservation practices and scheduling to prevent water wastage, e.g., cherry tomato and strawberry production utilized drip irrigation system in the greenhouses.</p> <p>Utilization of the recycled wastewater in white potato production has improved water</p>

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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							efficiency compared to the standard nutrient solution treatment.
5	Accelerating Green and Climate Finance	UNDP	BSP, SEC, NEDA, PPC, DENR, CCC	<p>Component 1: Strengthened gender responsive platforms for evidence-based policy dialogue between government, development partners and private sector on climate change and Nature-based Solutions (NbS)</p> <p>Component 2: Innovative and gender responsive green and climate finance solutions</p>	<p>22.40</p> <p>107.00</p>	<p>A</p> <p>A</p>	<p>NbS finance research supported through knowledge platform; gender disaggregated data sets linked to the data warehouse; and evidence-based policy briefs on NbS produced and advocated.</p> <p>Gender responsive NbS financing instruments launched in the Philippines; gender responsive NbS bankable projects developed; financing mobilized for gender responsive NbS projects; protected areas with gender sensitive PPP business cases developed; and procedures and guidelines</p>

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				designed and implemented to scale up investments towards NDC, PBSAP and SDGs			adopted by PPC for promoting investments in NbS.
				Component 3: Improved capacities of financial institutions	27.70	A	Capacity assessments of and capacity building programs for banks and non-bank FIs implemented.
				Component 4: Improved independent monitoring system on gender and SDG impact of green climate investments	27.30	A	Review of key sustainability reporting guidelines and metrics. Publicly accessible platform and dashboard developed for monitoring and reporting on SDG impacts of NbS financed climate projects.
6	Human Mobility in the Context of Climate Change (HMCCC)	GIZ	POPCOM	Component 1: Advice on (internal) migration, disaster displacement, and voluntary	No data	No data	The project works with the national governments, researchers and climate change and migration organizations to identify and rectify knowledge gaps. At the same time, it supports exchange processes between partners and disseminates the knowledge gained at international meetings

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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			and planned relocation in the context of climate change is made available for German development cooperation. Component 2: (Digital) Knowledge for handling (internal) migration, disaster displacement, and voluntary and planned relocation in the context of climate change are formulated.	26.04	A	and through platforms. These include events within the framework of the United Nations Framework Convention on Climate Change (UNFCCC) and Warsaw International Mechanism (WIM). National government agencies have been assisted in incorporating climate-induced migration into the updated National Climate Change Action Plan. The POPCOM has been further strengthened to place the issue on the political agenda and to plan activities with national key actors.
			Component 3: The capacity of sub-national, national, regional or	26.04	A	

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				supraregional actors for handling (internal) migration, displacement triggered by disasters and the voluntary and planned resettlement of individuals in the context of climate change are strengthened.			
7	Solutions for Marine and Coastal Resilience (SOMACORE)	GIZ	DENR	Component 1: (No data)	117.02	A	Strengthen existing seascape governance mechanisms.
				Component 2: (No data)	117.02	A	Ecosystem-based management and efficient area-based conservation practices.
8	Strengthening Disaster Resilience and Risk Mitigation through Ecosystem-based Planning and Adaptation (E4DR)	GIZ	NRO VIII	No data	321.81	A	The project aims to institutionalize sustainable disaster risk management in the country through the explicit use of ecosystem-based adaptation and climate insurance. Implementing partners, local civil society organizations, cooperatives, and producer communities will be trained to mainstream EbA into development activities.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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9	Support to the Philippines in Shaping and Implementing the International Climate Regime (SupportCCC II)	GIZ	CCC	No data	459.22	A	Aims to ensure the coherent implementation of climate change policy at national and sub-national levels and contribute to the further development of the international climate change regime. It promotes the use of renewable energy through policy mechanisms, such as feed-in tariffs and net metering, and supported capacity building for climate-resilient planning at the sub-national level.
10	South-South Collaboration on Climate Information and Services	GIZ	CCC	Component 1: (No data)	203.50	A	Quality assessment, availability, accessibility, organization and management of climate data and information for risk assessment as basis for planning and implementation of adaptation and mitigation measures.
				Component 2: Evidence-based and inclusive climate-sensitive spatial and urban planning	56.68	A/M	Support to LGUs on evidence-based and inclusive climate-sensitive urban planning.
				Component 3: Project concepts for urban climate action investments identified	56.68	A/M	Support to LGUs on the development of financially viable climate-sensitive urban projects.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				Component 4: Enhanced knowledge through regional networking, exchange and learning	56.68	A/M	Support to urban practitioners on national and local levels including regional exchanges and learning opportunities.
11	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 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 infrastructure support and safety nets. The results of green assessments including the provision of initial assistance in restoration and livelihood activities for vulnerable communities and threatened ecosystems will result in disaster risk reduction.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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12	Demonstration of best available techniques (BAT) & best environmental practices (BEP) in Open Burning Activities in Response to the Stockholm Convention on Persistent Organic Pollutants (POPs)	UNIDO	DENR	Legislative improvement Institutional strengthening Demonstration activities Education and awareness Monitoring and evaluation	64.30	M	The objective of the project is to achieve sustainable reduction of unintentionally produced POPs (UP-POPs) by enhancing guidelines and guidance on best available techniques and best environmental practices (BAT/BEP) in open burning practices in the East and Southeast Asia (ESEA) region.
13	Access to Sustainable Energy Programme (ASEP)	EU and WB	DOE	Investment support Call for proposals (Integration of Productive Uses of Renewable Energy for Sustainable and Inclusive Energization in	446.95 2,007.65	M M	Technology used under the project is energy efficient. The project also promotes increased use of renewable energy to lessen carbon emissions. Facility to innovate electricity/energy solutions in support of job creation, livelihood and climate resilient communities.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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14	Better Life for Out-of-School Girls to Fight Against Poverty and Injustice in the Philippines	KOICA	DepEd	Mindanao [i-PURE]; and Prepaid Meters [PPM])			
				Component 3: Call for Proposals (SolarBnB Microhotel and Island Livelihood Energizer Platform [SMILE]; and Renewable Energy Technology for Seaweed Value Added in Tawi-Tawi [RETS])	1,692.26	A	Facility to innovate electric/energy solutions in support of job creation, livelihood, and climate resilient communities. SMILE brings 24-hour energy access to poor, remote island communities in Siargao Island and nearby Dinagat Island, while RETS strengthens the economic and climate resilience of seaweed-farming communities of Tawi-Tawi through the integration of energy access improvement with overall rural development efforts, plans, and programs.
				Girls education center	60.00	DRR	Engineering design of infrastructure includes measures for flood mitigation as well as earthquake and strong wind proofing.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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15	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	Covers GIS-based decision support system for water management, water permit management system, and hydrological analysis system based on river flow analysis.
16	Development Objective Agreement: Improved Health for Underserved ¹ Filipinos (DOAg IHUF)	USAID	DOH		-	A	The program was able to accomplish the following: - Assessed institutional capacity for climate risk management of 40 LGUs and selected 20 LGUs to strengthen their DRRMH as part of their Local Investment Plan for Health - Trained health providers and facility managers in minimum initial service package for reproductive health in emergencies - Developed system for rapid LGU response including needs assessment tool to identify family planning needs at evacuation sites, which serves as basis to deploy logistics along with other basic medicines to evacuees or internally displaced peoples (IDPs)
					-	M	

¹ The DOAg consists of several sub-projects contributory to the objectives of IHUF.

CY 2022 ODA Portfolio Review

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							<p>The program was able to accomplish the following:</p> <ul style="list-style-type: none"> - HCWM training and module development for DOH Academy; - Health facilities monitoring of infection prevention and control (IPC) and HCWM using a blended approach; - Assessment of three provincial hospitals and one private hospital in Region 3 using the DOH Green Hospital assessment tools
17	Enhancing Productivity and Producing High Quality Tomato Through Smart Greenhouse in the Philippines Project	KOICA	DA	Establishing Greenhouse Facility & Operating Software	3.3	DRR	Initiatives to provide protection from calamities and safety of the project through the following: improvement of perimeter fence, riprap, and canals.
					2	A	Upgrading of deep well irrigation systems for the greenhouse
					0.05	DRR	Construction of gutters for interlocking unit
					0.02	A	Construction of packing area
				Capacity building on greenhouses	9.7	A	Establishment of multipurpose R&D building, and provision of training facility and accommodation to benefit farmers, students and other clientele
				Promotion of sustainable agricultural environment	0.05	A	Conduct of Good Agricultural Practices (GAP) training and certification to meet the standards of GAP, and provide safety and comfort to farmer trainees and clientele.

CY 2022 ODA Portfolio Review

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As of December 2022**

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					0.10	A	Construction of farmers lounge and restroom
					0.05	A	Construction of perimeter pathways
18	Establishment of a Central Database on Agricultural Commodities	FAO	DA	Data management	No data	A/DRR	There is no indicative budget allocation for CCA and DRR measures. However, the goal of the project will help ensure quality data/benchmark in support of CCA and DRR initiatives.
19	Global Partnership for Improving the Food Cold Chain in the Philippines	UNIDO	DENR	Policy and regulatory assessment	0.05	M	Outputs were designed to contribute to reduction of energy use throughout the food cold chain, resulting in GHG reduction per 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.
20	Integrated Approach in Management of Major Biodiversity Corridors (BD Corridor) in the Philippines	UNDP/GEF	DENR	Application of network design and management of biodiversity corridors	5.17	M	In-depth High Conservation Value Areas (HCVA) assessment in 12 clusters of the two BD corridors to identify the extent of specific conservation, sustainable forest, land and agricultural resource use and management, and alternative livelihood needs, as well as threats to be managed.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				Community-based sustainable use and management systems in two pilot BD systems	4.33	M	Interventions on sustainable land management (SLM), sustainable forest management (SFM), and biodiversity-friendly enterprises (BDFE). Also includes the accounting of CO2 emission sequestered or avoided in agriculture and forestry.
21	GEF GOLD Mongolia-Philippines: Contribution Toward the Elimination of Mercury in the Artisanal and Small-Scale Gold Mining (ASGM) Sector: From Miners To Refiners	UNEP, UNIDO	DENR	Upscaling of mercury-free technologies for the ASGM sector	30.01	M	Construction of a mercury-free processing system and tailings storage facility in Paracale, Camarines Norte
					0.96	DRR	Conduct of Occupational First Aid and Emergency Management Training (OFAT) and Basic Life Support Training (BLS)
22	Implementation of Polychlorinated Biphenyls (PCB) Management Programs for Electric Cooperatives and Safe E-wastes	UNIDO	DENR	Management of persistent organic pollutants (POPs) in waste electrical and electronics equipment (WEEE)	132.50	M	<p>The disposal facility is located in an area with very low hydrologic risk. The project will reduce the environmental effect of floods by removing sources of POPs.</p> <p>Disposal of polybrominated diphenyl ethers (PBDE)-contaminated plastics, the establishment of a treatment, storage, and disposal (TSD) facility</p>

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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	Management (PCB-WEEE)			Sound management of PCB-contaminated equipment, PCB wastes and stockpiles from electric cooperatives	60.00	M	for the dismantlers and training the "mambabaklas" on safe dismantling of WEEE. Treatment of PCB-contaminated oil through the removal of chlorine content in the oil and bringing the PCB level to less than 2 ppm. The treated oil can be sold again and recycled for other industrial purposes.
				Institutional strengthening	No data	A/M/DRR	The project recognizes the extreme importance of providing assistance to the government in increasing resilience to the impacts of climate-related events and man-made disasters through CCAM and DRR through its information, education, communication (IEC) program.
23	Sustainable Coastal Protection through Biodiversity Conservation in coastal Ecosystems Affected by typhoons in the Philippines (ProCoast)	GIZ	DENR	Adoption of innovative coastal protection and management measures	201.64	A	The project involves participatory implementation of innovative protective measures and the adaptation of these measures to local conditions in numerous LGUs in the sustainable management of mangroves, coral reefs, and land use planning.
				Improvement of political and legal framework conditions for			

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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24	Establishing Knowledge on the International Importance of Sibugay Wetlands: A Means to Enhance Wise Use of the Proposed Ramsar Site	Nagao Wetland Fund	DENR	coastal and species protection Development of wetland database and preparation of wetland resources distribution maps Strengthening of capacity of local communities and technical personnel	0.21	M	The designation of the area as Ramsar Site (Wetlands of International Importance) advocates for the wise use of resources. The importance of the wetland area in terms of provision of resources and ecosystem services such as carbon sink and water purification are highlighted/ emphasized in the various communication, education and public awareness (CEPA) activities conducted.
25	Philippine Ozone Desk Institutional Strengthening Project Phase XIII (2022-2023)	UNEP	DENR	Adoption/Implementation of Ozone Depleting Substances (ODS) legislation and regulation to control and monitor ODS consumption Efficient and timely data collection and reporting	3.44	M	Creation and implementation of domestic policies in relation with the enforcement of such ODS & HFCs regulation and licensing system to control/limit the consumption of ODS & HFCs to meet and sustain compliance to the Montreal Protocol.
26	Development for Renewable Energy	UNDP	DOE	RE policy and planning	4.89	M	The project is involved in the development, approval, and enforcement of several

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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(RE) Applications Mainstreaming and Market Sustainability (DREAMS)						implementing mechanisms under the RE Law. Policy development was supported through hiring of technical experts to conduct studies, prepare policy briefs, and draft circulars on specific mechanisms. Policy approval was supported through the conduct of public consultations with stakeholders. Lastly, the project supports policy enforcement through the preparation and publication of knowledge materials for public dissemination.
			Institutional strengthening for RE mainstreaming	21.74	M	The project conducts the Local RE Capacity Building Program (LREP), which assists LGUs in integrating RE to development plans, local policies, and processes. This assistance includes capacity building for local staff, and the provision of expert technical assistance. These activities strengthen collaboration between LGUs and Electric Cooperatives (ECs), and capacities of partners to develop and facilitate RE project proposals eligible for Support Facility for Renewable Energy (SF4RE) (Component 4).
			Capitalized RE market development	4.73	M	The project provides technical assistance to the RE Registrar (RER) to operationalize and bring the Philippine RE Market System (PREMS) to commercial operation. A technical expert was contracted to assist the RER in formulating the PREMS Disaster Recovery Plan (BCP) and Business Continuity Plan (BCP). The PREMS

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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				RE commercialization and replication	77.16	M	Business Continuity Plan has been completed to ensure that the system is capable of minimizing or reacting to risks that may be encountered at the time of commercial operation. The project implements a USD 1.7 million SF4RE. The SF4RE receives proposals from and finances goods and services for LGUs, ECs, private developers, NGOs, and academic institutions for local RE facility projects that will act as capacity building and proofs of concept.
27	Energy Secure Philippines (ESP)	USAID	DOE		567.94	DRR	ESP supports the energy sector resilience through: (1) advancing the Philippine government's energy resilience policy and its implementation; (2) promoting resilience in the operations of distribution utilities; and (3) supporting the DOE in safeguarding the electricity grid against cyber threats.
					1,325.18	M	ESP works with the Philippine government to generate at least 500 MW of additional electricity from clean and renewable sources and catalyze over USD 750 million in private investments into the renewable energy sector.
28	The Project for Improving Flood Forecasting and Warning System for Cagayan deo Oro	JICA	DOST-PAGASA	Component 1: Preparatory works undertaken by PAGASA	377.35	A/M/DRR	The equipment will be installed strategically to affect the monitoring of the hydrological condition of the whole Cagayan de Oro River Bank, including the important tributaries that are draining towards the main channel. At the site where the water level equipment will be installed,

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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	River Basin (FFWS-CDORB)			Component 2: Civil and telecommunication works		M/DRR	hydrological surveys will be conducted to establish the flood assessment levels (Alert, Alarm, and Critical levels) and the carrying capacity of the river channel at that section, which will form the basis for the issuance of flood advisories and bulletins and other related hydrological information. The project is further expected to complement the flood control structures along the Cagayan de Oro RB that are being implemented by the Regional Office and District Engineering Offices of the DPWH in Region 10.
				Component 3: Procurement and installation works of radars, stations, equipment, etc.		A/M	X-Band radars could provide a wide area of quantitative precipitation measurements from a single location. Radar information also has a high spatio-temporal resolution, which will be useful in monitoring the precursors of flood with longer lead time.
29	Strengthening Institutions and Empowering Localities Against Disasters and	UNDP	DILG	Component 1: Government, private sector, and civil society stakeholders in	251.70	DRR	The dedicated communication network will enable the transmission of hydrological data from the remote stations of the Cagayan De Oro RB Flood Forecasting and Warning Center (RBFFWC) and to CDO City Disaster Risk Reduction Management Council (CDRRM) Operation Center. Provincial LGUs will be engaged by the project, including Metro Manila and BARRM, to increase their resilience on climate change and disaster. MSPs will also be formed by the project as a vehicle to engage LGUs in DRR. There will also be

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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	Climate Change (SHIELD) Program			the targeted local government units (LGUs).			targeted capacity development of the LGUs on DRRM planning as well as in the use of existing data platforms such as CBMS and DEVLIVE+ for risk informed resilience planning. In addition, the project will help craft bankable proposals, local MEL and resilient value chains throughout its timeline.
				Component 2: Relevant national government agencies (NGAs) on local climate change and disaster resilience.	105.10	DRR	A policy reform support framework that will be developed by the project will be used to guide national-level actions in advocating for inclusive resilient development where the role of MSPs are crucial in the policy development processes. There will also be harmonization of resilience effort at the national and local level of governance, including the development of a national resilience index and a national data ecosystem on CC-DRR.
				Component 3: Philippine scientific agencies on local resilience action.	153.50	DRR	In collaboration with Australian science agencies, fine-scale climate modelling and projections will be produced, including generating climate-risk based information for severe wind and storm surge, and conducting multi-hazard analysis.
30	Low Carbon Urban Transport	UNDP	DOTr	Component 1: Effective enforcement of policies and support provided for the promotion	7.12	M	A Masterplan for Network Planning for the Establishment of Bike Lanes in Metro Manila, Metro Cebu and Metro Davao has been developed to provide local government units with a guide towards a more comprehensive, inclusive and equitable bike lanes network development.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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			of low carbon transport			The project has been providing technical assistance in the development of standards on single-deck buses, UN Regulation on safety standards on electric vehicles, and the Comprehensive Roadmap for the Electric Vehicle Industry (CREVI). The CREVI is expected to be completed by early 2023.
			Component 2: Adopted and implemented low carbon transport plans and/or programs in major cities	10.24	M	Ongoing skills mapping and analysis on LCT with the Technical Education and Skills Development Authority (TESDA). This informs the priority competency standards and training regulations to be established, with an initial focus on Electric Vehicles (EVs). In 2023, the project will support TESDA with the roll out of the pilot training programme for EV battery technicians. The project is also supporting the establishment of a Center of Excellence on LCT in with the consortium of academic institutions in Baguio City. MOA between DoTr, City Government of Baguio, and 3 Baguio-based Universities (Saint Louis University, University of the Cordilleras, University of Baguio) was signed to facilitate and develop the research and innovation arm of LCT in the city and the region.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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			Component 3: Increased private sector investment in low carbon transport system	20.54	M	<p>The Project is continuing its engagement with the public and private sector (i.e., LGUs and NGAs (and attached agencies), transport and civil society groups, transport cooperatives, automotive manufacturers, EV service providers, etc.) to better understand the current LCT market, in particular the EV industry. Data gathering is being conducted with a primary focus on the public transport sector in relation to the PUVMP. The ongoing market study (in addition to an assessment of the currently available financing and incentives for LCT) is being conducted in connection with the formulation of a possible incentive scheme for the project. The study will be used to inform the preparation of business plans and assistance in raising capital for priority sectors in LCT, particularly in support of transport cooperatives.</p> <p>To facilitate shift from conventional public transport to electric vehicles and enable further investment, test runs for various electric vehicle models were conducted in the cities of Baguio and Iloilo.</p>

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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31	Nationally Determined Contributions (NDC) Support Project for the Philippines	UNDP	CCC	Component 1: Integrated governance enhanced to deliver NDC outcomes	No data	No data	Formulation of the NDC Measurement, Reporting, and Verification Plan (NDCMRVP) and National Integrated Climate Change Database Information and Exchange System (NICCDIES).
				Component 2: Evidence-based design and planning of mitigation actions delivered.	No data	No data	Formulation of the NDC Implementation Plans for Waste, Transport, Forestry and Energy Sectors; conduct of an economy-wide modelling and emission scenario building study to inform the NDC formulation.
				Component 3: Capacities developed to design climate-friendly investment opportunities	0.90	M	Operationalization study for Climate Investment Network and Climate Finance Systems, and Services (CIN-CFSS)
				Component 4: Enabling environment enhanced for private sector development	0.30	M	Conduct of Business Climate Action Summits in 2018 and 2019 at the national and regional levels, which provided in-depth presentations and facilitate interactive discussions on levers for shifting private investment patterns towards low-carbon and climate-resilient development; Management policies and strategies for the effective communication and whole of nation/economy support of the NDC process

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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							Initial scoping and recommended policy direction has been done on promoting climate-smart hospitals and climate-smart buildings; and development of communication and advocacy materials
32	Cool Contributions Fighting Climate Change (C4II)	GIZ	DENR	No data	17.55	M	Greenhouse Gas (GHG) Inventory of the Refrigeration and Air Conditioning Sector and control measures for fluorinated GHG (F-gas) emissions.
33	Clean, Affordable, and Secure Energy for Southeast Asia (CASE)	GIZ	DOE	No data	259.19	M	The project aims to support Southeast Asian partner countries in the transition to a future energy system that provides reliable and affordable energy to the people while increasing political ambition to comply with the Paris Agreement.
34	Integrated Urban Climate Action for Low Carbon and Resilient Cities (Urban Act)	GIZ	DILG	Component 1: Improved institutional environment for climate-sensitive urban development	56.68	A/M	Support to national government to address barriers in the overarching policy environment that hinder the localization of climate change and sustainability targets.
				Component 2: Evidence-based and inclusive climate-sensitive	56.68	A/M	Support to LGUs on evidence-based and inclusive climate-sensitive urban planning.

CY 2022 ODA Portfolio Review

**ODA on Climate Change Adaptation and Mitigation (CCAM) and Disaster Risk Reduction (DRR)
As of December 2022**

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			spatial and urban planning			
			Component 3: Project concepts for urban climate action investments identified	56.68	A/M	Support to LGUs on the development of financially viable climate-sensitive urban projects.
			Component 4: Enhanced knowledge through regional networking, exchange and learning	56.68	A/M	Support to urban practitioners on national and local levels including regional exchanges and learning opportunities.