

LATIN AMERICA AND THE CARIBBEAN – DISASTER RISK REDUCTION

FISCAL YEAR (FY) 2018

SEPTEMBER 30, 2018

NUMBERS AT A GLANCE

**\$78.7
million**

Total USAID/OFDA Funding
for LAC in FY 2018

**\$8.9
million**

Programs in the Caribbean,
Including Haiti, with DRR
Components

**\$5.4
million**

Programs in Peru
with DRR Components

\$4 million

Programs in Haiti
with DRR Components

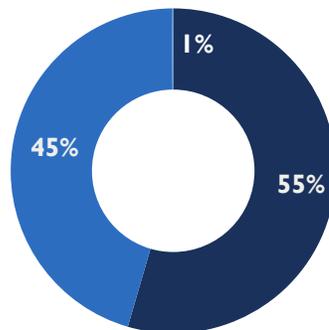
**\$2.7
million**

Programs in Honduras
with DRR Components

32

Partners Implementing
FY 2018 Programs with DRR
Components in LAC

USAID/OFDA¹ FUNDING BY PROGRAM TYPE IN FY 2018



- Response Programs (54%)
- Stand-Alone DRR Programs (45%)
- Programs that Integrate DRR with Disaster Response (1%)

DISASTER RISK REDUCTION (DRR) FUNDING FOR LAC IN FY 2018

Stand-Alone DRR Programs	\$32,363,168
Programs that Integrate DRR with Disaster Response	\$100,000
Total	\$32,463,168

OVERVIEW

- Countries in the Latin America and the Caribbean (LAC) region² experience a range of natural hazards, including droughts, earthquakes, floods, forest fires, hurricanes, landslides, tsunamis, and volcanoes. El Niño and La Niña phenomena occur periodically, exacerbating the impacts of hydrometeorological events in the LAC region. Unplanned urban expansion, environmental and natural resource degradation, and land-use management challenges also increase populations' vulnerability and exposure to natural hazards.
- USAID/OFDA supports DRR programs in LAC to build resilience and improve emergency preparedness, mitigation, and response capacity at the local, national, and regional levels. USAID/OFDA focuses on strategic, context-specific programs designed to meet particular risk reduction needs in each country, with capacity building as a consistent theme across DRR activities.
- In FY 2018, USAID/OFDA provided nearly \$32.5 million to support DRR initiatives throughout the LAC region. USAID/OFDA staff based in the regional office in Costa Rica and the field office in Haiti engaged directly with community members, national officials, and other stakeholders to prepare for, respond to, and lessen the effects of disasters.

¹ USAID's Office of U.S. Foreign Disaster Assistance (USAID/OFDA)

² The LAC region encompasses Antigua and Barbuda, Argentina, The Bahamas, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago, Uruguay, and Venezuela.

STAND-ALONE DRR PROGRAMS IN LAC

In FY 2018, USAID/OFDA provided nearly \$32.4 million for stand-alone DRR initiatives that improved preparedness and aimed to prevent and reduce the worst impacts of disasters. USAID/OFDA provided additional funding for global DRR programs that included activities in the LAC region. At the regional and country levels, USAID/OFDA and implementing partners engaged communities, national and local governments, international and regional organizations, and non-governmental organizations (NGOs) to develop effective strategies tailored to the needs of at-risk populations. Analysis of existing capacities and social, economic, and environmental trends guided program design, and USAID/OFDA programs addressed underlying causes of recurrent disasters, such as environmental degradation, when possible. The programs reflect USAID/OFDA's commitment to support capacity development; strengthen linkages among risk identification, monitoring, early warning, and preparatory action; and expand partnerships among stakeholders at local, national, and regional levels.

LAC Regional Programs

- **DRR in the Americas:** To reinforce DRR best practices in the LAC region and strengthen DRR programs among public- and private-sector organizations, particularly universities, USAID/OFDA entered into a cooperative agreement with Florida International University (FIU) in FY 2008. With approximately \$570,000 in FY 2018 funding, USAID/OFDA continued to support the educational and professional development of the next generation of Latin American DRR leaders through scholarships, student and faculty exchanges, and small grants. Through the FIU-managed DRR in the Americas program, universities in Latin America train professionals—including builders, land-use managers, and urban planners—to incorporate DRR into national plans for disaster risk management. In FY 2018, the program led workshops across the LAC region on topics including the use of geographic information systems for DRR, public health emergency preparedness and response, and urban development; conducted courses for a graduate certificate on DRR, local development planning, and land use management; and offered online DRR training courses, among other activities. From FY 2008–FY 2018, USAID/OFDA provided more than \$8.6 million for the DRR in the Americas program.
- **Cash Response Readiness Programming in Latin America:** In FY 2018, USAID/OFDA provided more than \$1.7 million to GOAL to increase the capacity for timely cash-based response interventions in the Dominican Republic, El Salvador, Guatemala, Honduras, Paraguay, Peru, and Uruguay. In collaboration with Cash Learning Partnership, the UN Office for the Coordination of Humanitarian Affairs (OCHA), and the UN World Food Program (WFP), GOAL is strengthening the capacities of national disaster management systems (NDRMSs) and humanitarian stakeholders to implement cash transfer programming during crises. Additionally, FY 2018 funding supports the creation or strengthening of cash working groups in the seven countries. By conducting cash readiness assessments and training programs, GOAL will enable NDRMSs to identify necessary policies and procedures to respond to crises and identify measures to improve cash transfer programming.
- **Strengthening National Disaster Risk Management Systems:** Recognizing the potential for increased use of cash transfer programming to respond to natural disasters in Central America and the Caribbean, USAID/OFDA supported GOAL with more than \$67,400 in FY 2018 funds to continue increasing the capacity and preparedness of NDRMSs. The program aims to further increase preparedness and coordination capacity of NDRMSs and other humanitarian actors in the Dominican Republic, El Salvador, Guatemala, and Honduras to provide high quality, timely cash- or voucher-based interventions, when appropriate, in response to natural disasters.
- **Strengthening the Use of Social Media for Behavior Change Communication in DRR:** With more than \$453,000 in USAID/OFDA FY 2018 support, the International Federation of Red Cross and Red Crescent Societies (IFRC) is developing regionally appropriate guidance for the use of social media tools to strengthen DRR communication with communities in Latin America. By improving knowledge and skills of social media platforms among at least 30 USAID/OFDA partner organizations implementing DRR activities, IFRC is facilitating communication and engagement with target communities.

- **PREPARE:** Miyamoto International launched the Preparing Rescue and Emergency Personnel to Ameliorate the Response to Earthquakes (PREPARE) program in FY 2015 to strengthen the capacity of officials and urban search-and-rescue (USAR) teams in Colombia, Costa Rica, El Salvador, and Mexico to mitigate the economic and social impact of earthquakes. With approximately \$3.1 million in USAID/OFDA FY 2018 assistance, Miyamoto International continues to identify urban structures vulnerable to earthquakes; increase USAR teams’ knowledge of building collapse scenarios and best response practices; and support municipal authorities to understand the potential effects of earthquakes, strengthen coordination for effective response, and implement damage assessments in the aftermath of disasters. USAID/OFDA has provided approximately \$5.2 million for the PREPARE program since FY 2015.
- **Building Tsunami Preparedness:** USAID/OFDA provided the National Oceanic and Atmospheric Administration (NOAA) with \$500,000 in FY 2018 to continue implementing the multi-year Tsunami Ready program in coastal communities of Grenada, Haiti, and Honduras to advance tsunami awareness, education, and planning. Program activities include developing and distributing tsunami evacuation maps and emergency operation plans; installing tsunami signage; and supporting awareness, education, and training activities to save lives and livelihoods in the event of a tsunami. NOAA, with prior year assistance, also continued to implement Tsunami Ready program activities in other nations, including Saint Kitts and Nevis. Additionally, USAID/OFDA supported NOAA and the International Tsunami Information Center to develop a standardized training course and processes to facilitate the development of reliable tsunami evacuation maps at the community level.
- **Strengthening Humanitarian Coordination and Capacity:** OCHA leads emergency response coordination efforts to ensure that humanitarian actors implement a coherent response. In FY 2018, USAID/OFDA supported OCHA with \$1.5 million to build the capacity of OCHA’s Regional Office for LAC by strengthening response and surge capacity, as well as collaborating with regional and national partners—including the Caribbean Disaster Emergency Management Agency and Central American Coordination Center for the Prevention of Natural Disasters (CEPREDENAC)—to maintain and increase preparedness and harmonize disaster response protocols in accordance with UN standards.
- **Strengthening Resilience-Building Capacity at the Local Level:** With nearly \$500,000 in FY 2018 assistance, USAID/OFDA supported the UN Office for Disaster Risk Reduction (UNISDR) to promote the development and implementation of local, national, and regional DRR strategies in the LAC region, and specifically to advance the implementation of the Sendai Framework for DRR in the Americas. In FY 2018, UNISDR-supported activities included supporting countries in LAC to adopt or review national DRR plans aligned with the Sendai Framework, promoting resilience planning at the local level, facilitating private sector investment in DRR and public-private partnerships, and mobilizing political support for the preparation of national DRR plans. With prior year funding, USAID/OFDA also continued to support UNISDR to develop four national strategies aligned with the Sendai Framework and eight local resilience action plans among national governments in the LAC region.
- **VDAP:** Following the 1985 eruption of Colombia’s Nevado del Ruiz Volcano, which resulted in approximately 23,000 deaths, USAID/OFDA and the U.S. Geological Survey (USGS) established the Volcano Disaster Assistance Program (VDAP) to provide technical assistance to national volcano monitoring organizations, including training in hazard assessment, development of early warning plans, and installation and updating of volcano monitoring equipment. At the request of host governments, VDAP teams travel to areas with significant volcanic risks throughout the world and use mobile volcano monitoring equipment to quickly assess hazards and help local agencies generate eruption forecasts. The early warning forecasts enable local authorities to evacuate high-risk areas before a disaster occurs, reducing fatalities and economic loss. VDAP programs also include training and technical assistance for local geologists to enhance preparedness and response for future volcanic events. In FY 2018, USAID/OFDA provided more than \$600,000 in LAC-specific support to continue VDAP activities in the region—part of the nearly \$4.7 million in USAID/OFDA FY 2018 funding for worldwide VDAP activities, including additional activities in LAC. The funding supported seismic monitoring activities benefiting more than 3.4 million people, training for nearly 290 individuals on geological procedures, and the provision of volcano monitoring-related technical expertise provided both remotely and in person. Following the eruption of Guatemala’s Fuego Volcano in June 2018, VDAP supported the Government of Guatemala (GoG) to assess

whether additional eruptions were likely to occur and determine which populations would be impacted by future eruptions. This information helped government agencies determine evacuation efforts, save lives, and anticipate increased humanitarian needs. VDAP also provided remote sensing and hazard mapping updates on Fuego and encouraged government agencies to establish procedures to monitor Fuego's activity and issue alert when future hazardous activities occur.

- **Capacity Building for DRR in Higher Education Institutions:** With prior year USAID/OFDA support, the Central American University Higher Council (CSUCA) continues to assist universities in the LAC region to incorporate DRR into planning, management, research, and training. In coordination with the Network of Latin American and the Caribbean Universities for Disaster Risk Reduction, CSUCA is supporting partner institutions to continue conducting applied research on DRR, providing DRR courses to bolster risk management capacity in the region, and establishing and strengthening DRR centers at universities—modeled after existing centers in the Dominican Republic, Guatemala, and Peru—to contribute to campus DRR initiatives and national DRR systems.
- **Assessing and Mitigating Earthquake Risk in the Caribbean and Central America:** With prior year funding, USAID/OFDA supported the Global Earthquake Model Foundation (GEM) in FY 2018 to increase earthquake risk assessment capacity and the integration of risk assessments into DRR efforts in the Caribbean and Central America. Using GEM's existing open source technology for hazard and risk modeling, data collection, and assessments, the organization trained local experts—including engineers, seismologists, and social scientists—to perform risk assessments and connected them with policymakers to establish initiatives that reduce risks related to seismic activity. Program activities concluded in March 2018.
- **Building Civil Society DRR Capacity in LAC:** In FY 2018, USAID/OFDA continued to support the Global Network of Civil Society Organizations for Disaster Reduction (GNDR) to increase collaboration between GNDR member organizations in LAC and other DRR stakeholders with prior year funding. By increasing civil society capacity to monitor and contribute to DRR action in accordance with commitments to the Sendai Framework, the project ensures DRR policies are accountable to local communities, promote the inclusion of vulnerable populations, and build community resilience to natural disasters.
- **Health Sector Resilience in LAC:** With prior year USAID/OFDA funding, the Pan American Health Organization (PAHO) continues to support health sector resilience in the region. The program aims to enhance the capability of LAC countries to provide timely, appropriate, and gender-sensitive responses in the health sector following disasters and other crises. With USAID/OFDA support, PAHO worked to develop guidelines and interventions to improve the resilience of health systems throughout the region, as well as increase the effectiveness and efficiency of disaster responses. In addition, PAHO advocated for health-specific DRR programs through the publication of scientific reports on the cost-effectiveness of preparedness and mitigation measures. Since FY 2013, USAID/OFDA has provided nearly \$4.9 million to PAHO for the Health Sector Resilience in LAC program.
- **RDAP:** USAID/OFDA continued to support Regional Disaster Assistance Program (RDAP) activities in the LAC region in FY 2018. Established in 1989, RDAP is the primary vehicle for USAID/OFDA's support to manage disaster risk in LAC. In FY 2018, USAID/OFDA's team of staff based in San José, Costa Rica, and a consultant network of 29 disaster risk management specialists throughout the region continued to oversee and monitor RDAP programs, which expanded local and regional capabilities, improved intra- and inter-governmental coordination, and strengthened disaster preparedness, mitigation, and risk management activities. In addition, USAID/OFDA maintained a network of more than 400 local surge staff available for activation, as needed, to respond to disasters throughout the region. Over the past decade, RDAP has provided training to thousands of emergency responders, including courses on DRR, emergency management systems, the incident command system (ICS), forest fire prevention and control, school safety, USAR, disaster management, and damage assessment and needs analysis. RDAP has also provided small grants to promote community-level DRR projects. The grants, averaging \$30,000 each and supporting projects for up to one year,

contributed to host governments' DRR priorities and supported innovative DRR initiatives and pilot projects. Since FY 2008, USAID/OFDA has provided nearly \$67 for RDAP.

Caribbean Regional Programs

- **Building the Capacity of Caribbean RCNS:** With \$900,000 in FY 2018 funding, USAID/OFDA supported IFRC to continue building the capacity of Red Cross National Societies (RCNS) in The Bahamas, Barbados, Belize, Dominica, and Saint Lucia through training activities and peer-to-peer exchanges for national and local resilience planning. Following previous capacity-building initiatives, IFRC expanded efforts to Saint Kitts and Nevis and Saint Vincent and the Grenadines, training national societies on issues such as community engagement, emergency communications, financial management, project management, and proposal writing. IFRC activities also aimed to support communities to develop early warning systems, engage in contingency planning, and train and equip community disaster response teams. During the fiscal year, IFRC also held a hurricane season review and planning meeting to develop recommendations for Caribbean RCNS based on lessons learned from the 2017 hurricane season.
- **Strengthening DRCS Disaster Preparedness and Response:** USAID/OFDA provided \$400,000 to IFRC in FY 2018 to support efforts to increase the capacity of the Dominica Red Cross Society (DRCS) and the communities that DRCS serves to prepare for and respond to disasters. Aiming to reduce the impact of disasters on affected populations in Dominica, IFRC is increasing DRCS's response effectiveness and facilitating increased information sharing during response operations. With USAID/OFDA support, IFRC and DRCS activities include assisting in the formation of disaster policy and strategy, revitalizing community disaster response teams, implementing DRR initiatives, conducting training in shelter management and gender-based violence (GBV) prevention and response, and pre-positioning relief commodities.
- **Supporting Emergency Preparedness Through Expanded Emergency Shelter Capacity:** With more than \$1.2 million in USAID/OFDA support, the International Organization for Migration (IOM) is enhancing the capacity of the Government of Dominica (GoD) to shelter populations displaced by hurricanes. Based on assessments of displacement sites following Hurricane Maria in September 2017, IOM is expanding the GoD's ability to address life-saving needs of internally displaced persons by rehabilitating or repairing collective centers, installing communication equipment in collective centers, pre-positioning relief commodities, and training local leaders and shelter management on best practices for collective center management.
- **Developing an Integrated Coastal Inundation Forecasting System:** With \$500,000 in FY 2018 funding, USAID/OFDA continued to support NOAA to implement a multi-year pilot program in the Dominican Republic and Haiti, building local capacity and developing tools and products for storm surge forecasting that will aid in risk reduction, preparedness, and evacuation efforts, while offering a prototype for other countries vulnerable to hurricanes and tropical storm systems. In partnership with the World Meteorological Organization (WMO) and national meteorological and hydrological services, the program works to identify needs for storm surge planning and preparedness, conduct trainings, develop a wave-modeling system, and begin laying the foundation for a regional approach to storm surge and wave-modeling and forecasting in the Caribbean region.
- **Pre-Positioning Shelter Materials in Barbados and Dominica:** In FY 2018, USAID/OFDA provided nearly \$15,000 to Priority Worldwide Services to deliver 250 rolls of plastic sheeting to the Government of Barbados Department of Emergency Management and 150 rolls of plastic sheeting to the GoD Office of Disaster Management. The materials are intended to support early recovery and shelter activities in the event of a future disaster in Barbados and Dominica, as well as in Antigua and Barbuda, Saint Kitts and Nevis, Saint Lucia, and Saint Vincent and the Grenadines, if needed.
- **Saving Lives in the Caribbean Through Preparedness:** With prior year funding, USAID/OFDA continued to support the American Red Cross (AmCross) in FY 2018 to expand efforts to better mitigate and respond to the adverse

effects of hydrometeorological risks and disasters in Antigua and Barbuda, The Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, and Trinidad and Tobago. Building on lessons learned from a previous USAID/OFDA-funded program, AmCross planned, implemented, and monitored small-scale disaster mitigation projects; worked to increase long-term community engagement; and provided trainings that reinforced disaster management skills and knowledge to community members, national Red Cross Society staff, and volunteers. Program activities, which ended in October 2017, included workshops on cash transfer programming, first aid instructor training, and facilitation skills, as well as promoting mobile applications to disseminate life-saving first aid and hazard information. Cumulatively, USAID/OFDA provided more than \$1.3 million to AmCross for project activities from FY 2013–FY 2017.

- **Youth-Led Community Action for Increased Disaster Resilience:** In FY 2018, USAID/OFDA continued to support Catholic Relief Services (CRS) to engage and train young people in hazard-prone communities in Grenada, Jamaica, and Saint Lucia through the Youth Emergency Action Committees (YEAC) program. With prior year USAID/OFDA assistance, CRS promoted the development of community and household disaster plans and worked to strengthen the role of YEAC members in local communities. During the fiscal year, CRS completed Phase VI of the project, which focused on forming four new YEAC while continuing to build the capacity of the 21 existing YEACs through collaboration with local disaster management authorities. USAID/OFDA provided nearly \$2 million to CRS for youth DRR program activities—which concluded in September 2018—since FY 2013.
- **Supporting Practical Family Preparedness in the Dominican Republic and Haiti:** In FY 2018, USAID/OFDA continued to support USGS to increase earthquake preparedness for vulnerable households in the Dominican Republic and Haiti with prior year funding. Through the project, USGS is developing locally appropriate earthquake hazard guidance—including resource booklets in local languages and messaging strategies developed in collaboration with community members—in coordination with GeoHazards International for at-risk families in four cities in the Dominican Republic and Haiti. Using the materials, GeoHazards International and local partners are conducting household preparedness activities, such as home hazard assessments and outreach on earthquake-resistant home construction.

Central America Regional Programs

- **Strengthening Risk Management and Disaster Response Education:** With \$150,000 in USAID/OFDA support, the Foundation for the Refugee Education Trust (RET) is increasing the disaster resilience of schools in Costa Rica and Panama by institutionalizing the national risk management and DRR plans of both countries' ministries of education. Although the ministries have developed DRR public policies, the institutions lack the capacity to implement policies at the national and local levels. To address this gap, RET is conducting capacity building and institutional strengthening activities, including developing implementation strategies for disaster risk management and promoting cooperation between the ministries of education.
- **Central America Weather-Ready Nations-Phase I:** Through \$500,000 in FY 2018 assistance, USAID/OFDA supported NOAA to continue partnering with national disaster management agencies and national meteorological and hydrological services in Costa Rica, El Salvador, and Guatemala to advance impact-based forecasting to improve early actions prompted by early warnings. The Weather-Ready Nations program prepares countries to respond to extreme weather events, shifting the focus of national meteorological and hydrological services from forecasting to describing the potential effects of hydrometeorological hazards.
- **Building Capacity for Urban DRR and Risk Information Management:** Through prior year funding, USAID/OFDA continued to support CEPREDENAC to promote education, improve coordination, and strengthen processes for urban DRR throughout Central America in FY 2018. Program activities included coordinating with national authorities to generate tools for risk reduction in housing and infrastructure planning, as well as supporting regional exchanges both between Central American emergency operations centers and with U.S. universities. In addition, through prior year funding, USAID/OFDA supported CEPREDENAC in FY 2018 to further bolster capacity and

standardize procedures across Central American national disaster risk management agencies; these activities concluded in March 2018.

- **Mitigating Climate-Related Disaster Risk in Intibucá:** In FY 2018, USAID/OFDA continued supporting CRS through prior year funding to reduce agriculture and food security risks in Honduras' Intibucá Department, where communities relying on small-scale farming for livelihoods are particularly vulnerable to the effects of drought, higher temperatures, and other climate-related hazards. CRS reached nearly 690 farmers with activities designed to improve the capacity of households to respond to climate variability, including through drought forecasting and preparation, effective irrigation practices, and sustainable land and water management. Throughout the project, CRS signed a memorandum of understanding with the Professional Training Institute of Honduras to expand the capacity of local producers, provided soil analysis to approximately 90 farmers to inform fertilizer choice, and trained nearly 110 government staff in disaster management, particularly on early warning for droughts. Program activities concluded in December 2017.
- **Supporting a Regional Approach to Storm Surge Forecasting:** With prior year assistance, USAID/OFDA continued to support NOAA's multi-year program in Belize and Mexico's Yucatan Peninsula that aims to build local capacity and develop tools and products for storm surge forecasting that will aid in risk reduction, preparedness, and evacuation efforts. NOAA, in coordination with the WMO and NMHSs, worked to support storm surge planning and preparedness activities including development of a wave-modeling system, trainings, and regional coordination activities.
- **Protection of Persons with Disabilities in Emergencies-Phase II:** USAID/OFDA continued to support the second phase of a UN Children's Fund (UNICEF) program designed to facilitate the protection of persons with disabilities during emergencies in Costa Rica, El Salvador, Guatemala, Honduras, and Panama in FY 2018 through prior year funding. The program works to improve the ability of institutions implementing DRR programs to include persons with disabilities in their planning, preparedness, and response processes through workshops and the creation of standard guidelines. Program activities supported the implementation of regional standards that include persons with disabilities in disaster management planning and increased public awareness regarding the needs of persons with disabilities during emergencies.

South America Regional Programs

- **South America Flash Flood Guidance System:** With \$750,000 in USAID/OFDA FY 2018 funding, NOAA continued to partner with WMO and national meteorological and hydrological services to develop and implement a flash flood guidance system to improve early warning capabilities for flash floods for countries within the La Palata river basin in the northwestern region of South America, including Colombia, Ecuador, and Peru. The project aims to develop a comprehensive integrated database and flash flood forecasting system, enabling countries to model and predict potential hazards in the La Plata river basin.
- **Building Capacity for Inclusive Disaster Risk Management:** In FY 2018, USAID/OFDA continued to support Humanity and Inclusion—formerly known as Handicap International—with prior year funding to improve and disseminate inclusive disaster risk management frameworks. Program activities include inclusive DRR training in Paraguay and Peru, and engaging stakeholders from Bolivia, Chile, Ecuador, Nicaragua, Paraguay, and Peru to increase the protection and resilience of vulnerable individuals. In addition, Humanity and Inclusion provided small grants for several innovative pilot projects to capture best practices for the inclusion of at-risk groups in DRR systems and encouraged replication and dissemination of effective practices by local authorities and involved communities.

Country-Specific Programs

Chile

- **Community-Based Wildfire Prevention:** USAID/OFDA has supported CRS since 2016 to coordinate with Chile's National Forestry Corporation and local partner Caritas to develop, validate, and implement a model for community-based urban interface wildfire prevention. With prior year funding, the program aims to train and organize firefighters,

local disaster prevention and emergency management officials, municipal authorities, and individuals from nine vulnerable communities in Chile's Araucanía, Maule, and Metropolitan regions on wildfire preparedness, mitigation, and management techniques using the new model. In FY 2018, CRS developed a new forest fire prevention model—including an electronic learning course, guides, and manuals—and trained community members in wildfire prevention, preparation, and response.

- **Developing an Earthquake and Tsunami Early Situational Awareness System:** In April 2014, northern Chile experienced a magnitude 8.2 earthquake, and according to scientists, earthquakes of similar magnitude may occur in the future. In early FY 2018, with prior year USAID/OFDA funding, USGS completed the design and installation of a rapid situational awareness system—using inexpensive cell phone technology—that provides time-critical earthquake information that can be used for automated alerts and to inform response decisions in Chile.

Colombia

- **Supporting Small Businesses to Mitigate Disaster Risk in Medellín:** USAID/OFDA provided nearly \$1.4 million in FY 2018 to Colombia's National Merchants' Federation (FENALCO) to support DRR activities and promote community capacity for disaster risk management in low-income neighborhoods of Colombia's city of Medellín, Antioquia Department. The program, which continues through 2020, aims to assist 1,800 entrepreneurs to identify disaster risk and create business continuity plans in the event of an emergency. In addition, FENALCO promoted the development of early warning systems, including alarms and signposting, and provided training on sustainable environmental management techniques for small business owners. From April 2017 to September 2018, FENALCO trained 600 individuals on business formalization, community savings, and methods to access financial credit; disaster risk management and response; and solid waste management. FENALCO also established four community networks in Colombia to encourage the integration of disaster risk management and response among local businesses and facilitated nearly 20 public-private partnerships to promote DRR in the city during the reporting period.
- **Supporting Local Agriculture and Food Security in La Guajira:** Ongoing insecurity and El Niño-related drought have resulted in food insecurity and high levels of malnutrition for ethnic Wayuu populations in northern Colombia's La Guajira Department since 2014. With prior year funding, USAID/OFDA continued to support Acción Contra el Hambre/Spain to promote improved agricultural and livestock management techniques among drought-affected Wayuu communities in La Guajira. Program activities included strengthening household livestock production systems and training community members on improved agricultural techniques, such as integrated pest and disease management, seed procurement, and soil preparation.
- **Strengthening Preparedness for Volcanic Eruptions:** With prior year funding, USAID/OFDA continued to support AmCross to strengthen the resilience of approximately 20 communities in Colombia's Caldas and Tolima departments affected by a significant increase in activity of the Nevado del Ruiz Volcano during the past 5–10 years, which has adversely affected agriculture activities and contaminated water sources. AmCross aimed to increase community awareness and responsiveness to future volcanic eruption by improving water management practices and promoting hygiene and sanitation best practices. The project—which ended in June 2018—also provided local government disaster response authorities with equipment to monitor and effectively respond to eruptions.
- **Training Firefighters in Colombia:** Wildfires remain a common threat in Colombia, with more than 4,600 forest fires affecting 29 of Colombia's 32 departments in 2016. With prior year funding from USAID/OFDA, World Vision trained more than 270 firefighters and approximately 230 community members to improve local capacity to manage and respond to forest fires in Bogotá, Caldas, Cesar, Cundinamarca, Magdalena, Meta, Nariño, Norte de Santander, and Risaralda departments. The program expanded a previous USAID/OFDA-supported program that ended in January 2017, through which World Vision trained nearly 200 firefighters in five of Colombia's departments. Program activities concluded in April 2018.

Costa Rica

- **Capacity Building for Municipal Emergency Committees:** USAID/OFDA supported World Vision with nearly \$275,000 in FY 2018 funding from USAID/OFDA to continue strengthening communities' ability to plan and mitigate the effects of disasters through capacity building activities for members of local Municipal Emergency Committees (CMEs) in Alajuela and Guanacaste provinces. Aiming to address community vulnerabilities identified by CMEs after Tropical Storm Nate struck Costa Rica in 2017, the program is developing training tools to implement lessons learned from previous disaster scenarios into municipal emergency plans and support improved response processes. Program activities also include strengthening community emergency protocols and plans and training CME members in ICS methodology. With USAID/OFDA prior year support, World Vision also continued to train CMEs in areas of Alajuela affected by Hurricane Otto, which struck Costa Rica in November 2016.
- **Reducing the Effects of El Niño and Climate-Related Risks:** With prior year funding, USAID/OFDA continued to support AmCross to promote environmental management to mitigate the impact of climate-related hazards and the El Niño phenomenon in Filadelfia, Palmira, and Sardinal communities in Costa Rica's Guanacaste State. The targeted communities are at high risk due to the frequency of droughts, floods, and associated consequences, such as safe drinking water shortages and decreased agricultural production. In collaboration with local government authorities and relevant national ministries, AmCross program activities—including trainings in energy saving and efficient water use, reforestation campaigns, and capacity building for Costa Rica Red Cross staff—reached nearly 3,900 people and worked to expand public-private coordination and improve community management of challenges, such as periods of drought. Program activities ended in October 2017.
- **Building an Earthquake and Tsunami Early Situational Awareness System in Costa Rica:** USAID/OFDA supported USGS with prior year funding to develop a rapid situational awareness system to provide earthquake information to Government of Costa Rica authorities. Based on previous USGS work in Chile, the program aims to use cell phone technology to provide rapid earthquake updates that can trigger automated alerts and inform response in the event of a major seismic event.

Cuba

- **Building U.S.-Cuban Coordination for Geohazard Mitigation:** Through prior year funding to USGS, USAID/OFDA supported bilateral meetings between U.S. and Cuban authorities to discuss earthquake, hurricane, and tsunami hazards, in addition to funding for Cuban scientists to travel to the U.S. for geological hazard trainings. In May 2018, USGS scientist held two discussions on geological hazards with counterparts from Government of Cuba's Centro Nacional de Investigaciones Sismológicas. During the first meeting, scientists discussed engaging in collaborate seismological research to address earthquake hazards, while the second meeting focused on techniques to use corals and sediment to track tectonic deformation, sea level changes, and hurricane flooding.

Dominican Republic

- **Supporting Forest Fire Management Efforts:** With \$300,000 in FY 2018 funding from USAID/OFDA, Pronatura is supporting the implementation of the Government of the Dominican Republic (GoDR) national strategy for fire management. In FY 2018, program activities aimed to improve coordination between government agencies; encourage participation of NGOs, civil society, and the private sector in fire management activities at the municipal level; and provide technologies to improve the capacity of the GoDR Ministry of Environment, municipalities, districts, and community organizations to more effectively manage forest fires.
- **Improving Domestic and Regional Humanitarian Response Capacity:** With nearly \$1.3 million in FY 2018 funding from USAID/OFDA, WFP is working with the GoDR to strengthen its emergency preparation and response capacity. The program includes initiatives to improve inter-institutional coordination, strengthen the humanitarian supply chain and national telecommunication plans, improve emergency storage facilities, and strengthen social protection

strategies in emergency contexts. With USAID/OFDA funding, WFP is supporting GoDR priorities, which emphasize the need for improved disaster preparedness following Hurricanes Irma and Maria in 2017.

- **Risk Reduction for Persons with Disabilities:** With prior year funding, the Dominican Development Institute continued to support coordination between organizations in the GoDR National System of Risk Management, aiming to reduce the vulnerability of persons with disabilities in 16 communities of Santo Domingo Province. In FY 2018, the program included capacity building activities designed to better integrate persons with disabilities and organizations working with these populations into community and municipal risk-management systems.
- **Supporting the Dominican Republic’s Emergency Operations Center:** With prior year funding, USAID/OFDA assisted Plan USA to support the GoDR Emergency Operation Center (EOC), with the aim of increasing DRR capacity. By providing geospatial information system software and training EOC technicians in the management of geospatial data, program activities promote development of protocols for the effective collection and sharing of critical information to inform emergency decision-making processes.

Ecuador

- **Strengthening Disaster Risk Management Capacities:** USAID/OFDA provided \$500,000 in FY 2018 funding to Adventist Development and Relief Agency (ADRA) to build local disaster risk management capacity in Ecuador’s Esmeraldas and Manabí provinces. Building on lessons learned from the April 2016 earthquake, the program aims to develop training programs and DRR tools and establish local risk reduction networks and community organizations. With USAID/OFDA support, ADRA is also conducting disaster awareness and preparedness events at the community and household level, strengthening municipal EOCs, and building public-private partnerships.
- **Building Community Capacity for Risk Reduction and Early Warning:** With \$500,000 in FY 2018 funding, World Vision is working to strengthen the risk management capacities of communities highly vulnerable to volcanic activity and earthquakes in Ecuador’s central and south-central Andean regions. With USAID/OFDA support, the program conducts early warning, first aid, and search-and-rescue trainings for community members in Chimborazo, Cotopaxi, and Tungurahua provinces. In addition, World Vision aims to strengthen local disaster management institutions and encourage communities to install early warning systems.
- **Improving Capacity for Disaster-Resilient Construction:** With prior year funding, USAID/OFDA supported Miyamoto International to continue building local capacity to utilize disaster-resilient construction materials and techniques in FY 2018. In coordination with the Pacific International Center for Disaster Risk Reduction, the Universidad Laica Eloy Alfaro de Manabí, and Save the Children/U.S. (SC/US), Miyamoto International conducted trainings on earthquake-resistant building techniques, including construction with bamboo—a locally available and earthquake-resistant building material—for homeowners, construction workers, and masons in low-income, high-risk communities of Manabí. The program—which ended in September 2018—also supported a communications campaign among vulnerable communities promoting the use of bamboo as a disaster-resilient construction material.
- **Strengthening USAR Capabilities:** With prior year funding from USAID/OFDA, SC/US completed a training program for firefighters and local training instructors from seven provinces to bolster participants’ capacity to efficiently respond to earthquakes and other disasters that require a significant search-and-rescue response. The trainings certified more than 170 instructors in collapsed structure search-and-rescue techniques, ensuring local capacity to conduct future exercises. Program activities ended in October 2017.
- **Building Ecuador’s Earthquake Monitoring and Response Capacity:** With prior year funding, USAID/OFDA continued to support USGS to upgrade earthquake monitoring for the Government of Ecuador’s Instituto Geofísico de la Escuela Politécnica Nacional (IGEPN) in FY 2018. Monitoring upgrades—including capacity for faster and more accurate earthquake data analysis, exchange, and processing, as well as improved coordination with Ecuador’s emergency

response agencies—aimed to strengthen IGEPN’s ability to respond to significant earthquakes and increase collaboration and data exchange between IGEPN and USGS.

El Salvador

- **Training and Equipping USAR Teams:** With \$300,000 in FY 2018 USAID/OFDA funding, World Vision is strengthening El Salvador’s national disaster response and USAR capacities by training 100 first responders in advanced first aid, collapsed structure search-and-rescue, hazardous materials first response, and ICS implementation. The program also aims to develop an accreditation process for the mobilization and deployment of USAR teams, enabling timely and efficient response to hazards. World Vision provides personal protective equipment and materials to USAR team members to equip them for future operations.

Guatemala

- **Strengthening Disaster Preparedness in Petén:** USAID/OFDA provided \$300,000 in FY 2018 funding through CARE to strengthen the capacity of the Guatemalan National Coordination for Disaster Reduction (CONRED) in the country’s Petén Department, a region susceptible to forest fires and flooding. CARE conducts technical training and capacity building activities on disaster response coordination, ICS, information management, and post-disaster damage assessment. Additionally, CARE is providing CONRED with equipment to improve disaster information management and decision-making during an emergency.
- **Coordinating Urban DRR in Guatemala:** With nearly \$1.8 million in USAID/OFDA funding, Project Concern International (PCI) continued to reduce communities’ vulnerability to floods, strong winds, landslides, and seismic activity through the “*Barrio Mio* Scale Up” program. In FY 2018, PCI coordinated with local communities, national and municipal agencies, private-sector partners, and universities and implemented a scalable model to improve shelters, reconfigure settlements, and develop water and sanitation infrastructure. PCI also provided technical assistance on financing and resource allocation to the GoG to support urban disaster risk mitigation and housing improvement activities in several municipalities. USAID/OFDA has provided approximately \$4.6 million to PCI to support Urban DRR in Guatemala since 2015.
- **Improving Tools for Responsive DRR in Guatemala:** With prior year funding from USAID/OFDA, PCI continued to create and disseminate tools designed to integrate a women’s perspective into GoG DRR programs and policies at the national, municipal, and community levels. Working with communities and local organizations in seven municipalities in two departments, program activities supplemented PCI’s ongoing urban DRR activities in Guatemala and helped to promote the validation and adoption of responsive DRR tools.
- **Strengthening Guatemala’s DRR Capacity:** In FY 2018, SHARE continued to build local and regional disaster preparedness and risk management capacities in Petén Department, an area which is especially vulnerable to floods and forest fires, with prior year USAID/OFDA support. Building on a previous program in south-central Guatemala, SHARE partnered with CONRED to design and conduct a disaster preparedness, response, and risk management training program aligned with Guatemala’s national DRR strategy, and to disseminate lessons learned on gender equity from previous programs. In addition, SHARE supported physical improvements to the National Emergency Operations Center in Guatemala City and the CONRED office in Petén. Program activities ended in July 2018.

Haiti

- **Strengthening Haiti’s Disaster Preparedness and Response Capacity:** With \$200,000 of FY 2018 funding, USAID/OFDA supported AmCross to continue bolstering the capacity of the Government of Haiti’s (GoH) Department of Civil Protection (DPC) and the Haitian Red Cross (HRC) to coordinate disaster response activities. AmCross program activities—which centered in Haiti’s Nord-Ouest, Ouest, and Sud departments—aims to improve the integration of local, regional, and national response systems by training HRC staff and volunteers on contingency plan

implementation. During FY 2018, AmCross also conducted workshops to improve coordination between DPC and other Haitian disaster risk management actors.

- **Strengthening Multipurpose Cash Assistance Preparedness:** With \$750,000 in FY 2018 funding, CRS is improving the readiness capacity of response actors to implement immediate cash-based response activities following a disaster. With USAID/OFDA support, CRS aims to conduct a market system assessment, adapt a set of standardized tools for cash programming, and establish a minimum household expenditure basket to identify the appropriate cash transfer amount following a disaster. By improving information pathways and reducing disaster response time, CRS is increasing the resilience of disaster-affected communities where markets are functional and capable of meeting beneficiary needs.
- **Building the Capacity of Community- and Faith-Based Organizations:** With nearly \$118,000 in FY 2018 funding, USAID/OFDA supported CRS to improve the capacity of Haitian community- and faith-based organizations to coordinate with local government authorities in the event of a disaster. The two-year program, which began in September 2017 and is jointly supported by USAID's Office of Food for Peace (USAID/FFP), aims to improve the capacity of 40 Haitian organizations to manage, implement, and report on disaster response projects. In collaboration with World Vision, the DPC, and other response actors, CRS conducts trainings on accountability, coordination, data collection, GBV prevention and response, child protection issues, and transparency in local and national response efforts. CRS also supports a rapid response fund that provides small grants to local organizations to respond to emergencies. From FY 2017–2018, USAID/OFDA provided more than \$1.6 million to support the program.
- **Providing Technical Assistance to Improve Resilience in High-Risk Areas:** With more than \$186,000 in USAID/OFDA support, GOAL expanded efforts to provide technical assistance to boost community resilience in high-risk neighborhoods in Nord-Est Department's Ouanaminthe commune, Port-au-Prince, and Ouest's Tabarre commune in FY 2018. Throughout the fiscal year, GOAL conducted more than 100 community resilience assessments and three municipal-level assessments, and managed a training program on resilience assessment tools for government officials and stakeholders. GOAL is providing national and international stakeholders with a tool capable of measuring and analyzing community resilience to disasters, informing future DRR and response programs.
- **Pre-Positioning Relief Supplies for Rapid Response to Crisis-Affected Populations:** With nearly \$921,000 in funding, IOM continued to strengthen the capacity of the DPC at the national and departmental levels to store USAID/OFDA-provided relief commodities in FY 2018. These commodities are sufficient to support 10,000 households in Haiti. By maintaining commodity supply chains during crises, IOM helps ensure the timely delivery of assistance to affected populations. During FY 2018, IOM managed four warehouses storing pre-positioned USAID/OFDA relief commodities, supplied 10,000 hygiene kits to complement USAID/OFDA stockpiles, and trained warehouse staff on relief commodity and warehouse management.
- **Bolstering Institutional Preparedness for Cash Transfers in Humanitarian Response:** With nearly \$532,000 in funding, USAID/OFDA continued to support Mercy Corps to improve emergency cash transfer processes in Haiti in FY 2018. Mercy Corps is conducting small-scale cash response activities—reaching approximately 300 households—to inform future multipurpose cash transfer programming based on a minimum expenditure basket, facilitating the adaptation of cash transfer quality standards, providing targeted training to humanitarian actors, and reinforcing partnerships between public and private sector actors. By combining capacity building with field-based pilot testing, the program can provide the humanitarian community with tools to successfully integrate cash into future responses.
- **Building Earthquake and Hurricane Response Preparedness:** USAID/OFDA supported Miyamoto International with \$350,000 in FY 2018 funding to develop a sustainable post-earthquake and damage assessment system that could be rapidly deployed to conduct assessments following a disaster. In coordination with the DPC, as well as other GoH institutions, Miyamoto International partners with universities to train and certify engineers and technical specialists on post-disaster building damage and safety assessments.

- **Strengthening Humanitarian Coordination and Capacity Building:** With \$214,000 in USAID/OFDA funding, OCHA continued to strengthen humanitarian coordination between the GoH and UN officials, relief organizations, and other stakeholders to enable rapid, effective action in the event of a disaster in FY 2018. OCHA also supports information management and provides analyses of the Haitian humanitarian context, contributing to a common understanding among response actors of the country’s needs, the GoH’s humanitarian priorities, and existing response capacity.
- **Creating a Haiti Emergency Response and Risk Reduction Fund:** With \$200,000 in FY 2018 funding, USAID/OFDA is supporting the Pan American Development Foundation (PADF) to establish a Haiti Emergency Response and Risk Reduction Fund to immediately respond to emergency situations and enhance the resilience of at-risk urban communities in Nord-Est and Ouest departments. In coordination with Urban Planning to Generate Resilience Against Disaster Events (UPGRADE) activities, the program expands on existing DRR efforts, GoH development plans, risk analyses, and needs assessments to identify and support specific community capacity building and mitigation activities, particularly shelter and water, sanitation, and hygiene (WASH) programming.
- **Implementing a Neighborhood Approach to Capacity Building:** In FY 2018, USAID/OFDA supported PCI with \$150,000 to foster a greater understanding of the neighborhood approach—which provides the basis for rebuilding safer and more resilient neighborhoods—among key stakeholders who will implement the approach in response to crises and facilitate participatory DRR, humanitarian, and recovery programs in high-risk informal settlements in Haiti. Since FY 2017, PCI has worked to develop practical recommendations on how to implement the approach during emergencies. In FY 2018, PCI continued to operationalize the neighborhood approach by conducting capacity building trainings with key humanitarian partners, ensuring effective implementation of the approach during emergencies. PCI is also developing companion training programs for local actors to foster local buy-in to the neighborhood approach.
- **Strengthening Departmental and National EOCs in Haiti:** With more than \$334,000 in FY 2018 funding, USAID/OFDA supports the U.S. Forest Service (USFS) to build the capacity of national and departmental disaster management systems, including EOCs. USFS consultations and workshops promote the integration of lessons learned from the Hurricane Matthew response into DPC policy and strengthen contingency planning capacity. For example, USFS conducted a planning workshop—attended by 40 DPC staff—for developing and integrating response planning procedures and protocols.
- **Bolstering Neighborhood Preparedness in Port-au-Prince:** Many marginalized communities in Haiti’s capital city of Port-au-Prince are vulnerable to natural disasters such as earthquakes, landslides, and floods. With prior year funding, USAID/OFDA supported Cooperazione Internazionale (COOPI) in FY 2018 to provide disaster-affected residents of Ouest’s Cité Soleil and Tabarre communes with relief commodities and conduct activities to help residents better mitigate and respond to future disasters. The project engaged community members, local government, and private sector actors in small-scale disaster mitigation projects, disaster preparedness and management trainings, and the creation of public-private partnerships for DRR. From August 2017 to September 2018, COOPI conducted 20 trainings for more than 14,800 people on disaster preparedness, mitigation, and management.
- **Measurement and Analysis to Promote Resilience in DRR Programming:** With prior year funding from USAID/OFDA, GOAL provided technical assistance to USAID/OFDA implementing partners COOPI and PADF to conduct nearly 60 assessments across Haiti, using a community resilience measurement and analysis tool developed by GOAL in 2011. The key findings and recommendations from these assessments will be shared amongst the DRR community in Haiti to provide evidence to support future disaster resilience programming.
- **UPGRADE:** Prior year funding from USAID/OFDA and USAID/Haiti supported PADF to continue a three-year urban resilience program, UPGRADE. The program utilizes existing local urban development plans, risk analyses, and

needs assessments to identify and prioritize specific community capacity-building and disaster mitigation activities in the vulnerable Martissant area of Port-au-Prince and Ouanaminthe communes. In FY 2018, PADF coordinated with the DPC and other local actors to strengthen community response teams, support household emergency plans, conduct simulation exercises, bolster community-level contingency planning, improve drainage infrastructure, and rehabilitate community emergency evacuation shelters. The UPGRADE program also included a significant WASH component to deliver safe drinking water through the rehabilitation of public water supply networks, as well as rehabilitation WASH infrastructure at schools and churches that serve as disaster shelters. It also supported sanitation awareness and rehabilitation of sanitation systems as part of the GoH's Hygiene Friendly Schools Initiative, which emphasizes school-based hygiene behavior change to reduce the risk of waterborne diseases. From July–September 2018, PADF trained more than 90 community members on evacuation, first aid, and temporary shelter management; mobilized nearly 6,500 households to develop family emergency plans; and raised awareness of disaster risk management techniques among more than 33,500 people. Additionally, PADF rehabilitated or strengthened water sources for approximately 48,000 people; completed sanitation work at nearly 20 schools, providing nearly 15,100 students and teachers with improved sanitation facilities; established five water kiosks, benefiting 12,500 people; and conducted solid water management activities for nearly 10,000 people.

Honduras

- **Improving Local Disaster Prevention and Response Capacities:** With approximately \$150,000 in USAID/OFDA funding, ADRA is enhancing the capacity of local emergency volunteers to respond to crises in Honduras. In FY 2018, ADRA began training and providing technical assistance to 150 local volunteers, as well as 60 members of five local emergency committees, in five at-risk communities in Honduras' capital city of Tegucigalpa. ADRA aims to systematize volunteer capacity building procedures for the Honduras humanitarian community by implementing activities focused on DRR capacity, building community awareness and mobilization, and development policy and planning—including community emergency plans, risk maps, and a volunteer training manual.
- **Supporting Resilient Neighborhoods in Tegucigalpa:** USAID/OFDA has supported GOAL in Honduras to reduce urban disaster risk in three neighborhoods in the Ulloa sector of Tegucigalpa since FY 2013. In FY 2018, USAID/OFDA provided GOAL nearly \$2.2 million to continue conducting activities from Ulloa to the Las Brisas, Los Pinos, and Villanueva sectors in Tegucigalpa to reduce disaster risk through a neighborhood-based approach promoting local coordination and capacity for DRR. FY 2018 program activities aimed to reduce housing and public infrastructure vulnerability, protect livelihoods, and increase community capacity for disaster preparedness and response. GOAL also supported national- and regional-level adoption of the neighborhood-based approach and fostered engagement among educational actors and government institutions. Cumulatively, USAID/OFDA has provided more than \$5.1 million to GOAL to support urban DRR activities in Tegucigalpa since FY 2013.
- **Institutional Strengthening of COPECO Regional Offices:** USAID/OFDA provided nearly \$175,000 to Plan International in FY 2018 to expand on previous efforts to strengthen the capacity of the Government of Honduras Permanent Standing Commission of Contingencies (COPECO) to coordinate disaster response activities. The previous program, which concluded in August 2016, provided information technology equipment to regional EOCs, trained COPECO staff, and supported four regional COPECO offices to develop contingency and risk reduction plans. In FY 2018, Plan International expanded efforts to three additional regional COPECO offices and six departmental offices, training technical staff to effectively coordinate and manage disaster risk and management efforts. The program also aims to organize and train four USAR teams.
- **Strengthening National Institutions' Technical and Operational Capacity:** In FY 2018, USAID/OFDA supported SC/US to build the technical capacities of COPECO and municipal fire departments in Honduras. With \$150,000 in funding, SC/US is training community leaders, municipal emergency committee members, and youth on early warning systems in five Honduran municipalities. Additionally, SC/US activities include developing a community guide to early warning systems with an outreach component that targets two local schools and provides training to firefighters in first aid and damage assessment.

- **Supporting Community-Level DRR and WASH Preparedness:** In FY 2018, through prior year funding, USAID/OFDA continued to support AmCross to implement community-level DRR and WASH preparedness activities in Honduras' Jesus de Otoro municipality, Intibucá Department. In response to recent drought conditions and other climate-related risks, AmCross collaborated with the Honduran Red Cross to raise awareness of WASH-related disease transmission risks and train communities and local authorities on safe WASH practices. The program also conducted trainings for individuals, communities, and institutions to increase disaster resilience. Program activities concluded in January 2018.
- **Bolstering Livelihoods in Honduras' Dry Corridor:** With prior year funding, USAID/OFDA continued to support GOAL in FY 2018 to improve livelihoods opportunities among vulnerable communities in Honduras's drought-affected Intibucá, La Paz, and Lempira departments. GOAL provided drought-affected households with cash transfers to replace livelihood assets, such as farming equipment and livestock, and prevent households from engaging in negative coping strategies. In addition, GOAL worked to connect low-income households to financial markets—helping them access to microfinance institutions offering savings and loan services—and bolstered the emergency response capacity of local and national Government of Honduras officials through trainings on standardized drought response policies and protocols. Program activities concluded in February 2018.
- **Building DRR Training Capacity in the Education Sector:** With prior year funding, USAID/OFDA supported World Vision in FY 2018 to strengthen the capacity of the Honduran education system to support disaster prevention and mitigation. Through the project, World Vision collaborated with Government of Honduras education officials, university staff, and students to support the creation of DRR curricula and promote DRR research in high schools, universities, and non-formal education institutions. World Vision also conducted trainings for university emergency committees to ensure disaster preparedness and response capacity.

Jamaica

- **Building Resilience and Community DRR Capacities:** USAID/OFDA has supported Habitat for Humanity in Jamaica since FY 2014 to address risks associated with natural disaster hazards, such as drought, flooding, hurricanes, and tropical storms. With \$300,000 in FY 2018 funding, Habitat for Humanity continued to create community redevelopment plans, implement DRR-oriented shelter and infrastructure improvements, and conduct community-awareness and coalition-building campaigns in St. Catherine Parish's Portmore municipality. With USAID/OFDA support, Habitat for Humanity is improving urban communities' access to secure land tenure in a highly vulnerable area of Portmore, where many households reside in informal urban settlements.

Panama

- **Improving Disaster Response Capacity in Los Santos:** With prior year funding, USAID/OFDA continued to support AmCross in FY 2018 to implement disaster preparedness, preparation, and mitigation activities in communities and schools in Panama's Los Santos Province. AmCross worked with the Panamanian Red Cross to conduct first aid trainings, establish early warning systems, and instruct communities on water storage techniques to avoid contamination and shortages. Program activities ended in October 2017.

Paraguay

- **Promoting Risk Management and Emergency Preparedness:** With prior year funding, USAID/OFDA continued to support Agricultural Cooperative Development International/Volunteers in Overseas Cooperative Assistance (ACDI/VOCA) in FY 2018 to promote sustainable food production among households affected by flooding and other natural disasters in Paraguay's Caazapá and Presidente Hayes departments. ACDI/VOCA activities supported the provision of agricultural inputs and technical assistance to initiate or improve vulnerable households' small poultry infrastructure and vegetable gardens. In addition, ACDI/VOCA coordinated with the Government of Paraguay (GoP) to form community- and municipal-level disaster risk management councils. In FY 2018, ACDI/VOCA also provided

the GoP and local actors with the tools to proactively monitor and manage risks and strengthen national and local resilience to disaster risks.

- **Strengthening Humanitarian Logistics and Response Capacity in Paraguay:** In FY 2018, USAID/OFDA continued to support WFP with prior year funding to coordinate with the GoP National Emergency Secretariat to improve humanitarian logistics—including warehouse management—and build capacity among key logistics actors in Paraguay. Through the program, which ended in September 2018, WFP provided trainings to GoP officials and local and international NGO staff on humanitarian supply chain management and coordination in emergency logistics operations, among other topics.

Peru

- **Increasing Resilience in Arequipa and Caylloma:** With \$630,000 in FY 2018 USAID/OFDA funding, ADRA is integrating disaster risk management into the institutional disaster management toolkit of local governments in Peru's Arequipa and Caylloma provinces. In coordination with the Government of Peru and civil society organizations, ADRA is training local stakeholders in disaster risk management techniques to enable local government to more effectively respond to crises. Additionally, the program trains agricultural producers to improve harvesting and processing activities to mitigate the impact of natural hazards, including earthquakes, droughts, and volcanic activity.
- **Reinforcing Innovative Mechanisms for DRR in Rímac:** With more than \$329,000 in FY 2018 funding, USAID/OFDA is supporting COOPI to provide technical assistance to municipal authorities in the capital city of Lima's Rímac District. Building on previous USAID/OFDA-supported activities, the program aims to integrate the use of geographic information systems in disaster risk management and urban management; work with local authorities to develop emergency protocols; conduct drills to test evacuation routes and train communities in DRR; and expand the capacity of authorities to improve building safety in the district. Additionally, COOPI is improving air and soil quality by promoting forestation and efficient water usage to mitigate the risks posed by environmental degradation.
- **Reducing Risk in Piura:** USAID/OFDA provided nearly \$600,000 in FY 2018 through Plan International to build resilience to future emergencies at the institutional, school, and community levels in Piura Province's La Arena and Tambo Grande districts. Evaluating previous efforts at disaster mitigation and preparedness in the region, the program aims to identify best practices, weaknesses, and implementation gaps, including building on lessons learned from the 2017 flooding associated with the Coastal El Niño phenomenon. With USAID/OFDA support, Plan International trains volunteers in needs assessment data collection and immediate disaster response, including selecting evacuation routes, identifying safe areas and temporary shelters, and forming community groups for debris removal and clearing of access roads. Additionally, Plan International is working with local universities to support innovative solutions to mitigate the impact of crises.
- **Increasing Community Resilience to Disasters in Cajamarca:** With \$200,000 in FY 2018, USAID/OFDA supports Practical Action to strengthen the disaster resilience of local governments and rural communities in Peru's Cajamarca Department, an area vulnerable to drought, heavy rainfall, and flooding. The program aims to build local capacity—including by training community members and government officials in early warning systems, first aid, and search-and-rescue—to raise awareness of disaster risk management approaches, implement DRR strategies with the participation of local authorities and civil society, and develop and implement local technologies to reduce risks posed by disasters.
- **Reducing Disaster Risk in Urban Settlements:** With more than \$659,000 in USAID/OFDA funding, the Center for Disaster Studies and Prevention in Peru (PREDES) worked with local communities and municipal officials in Lima's San Juan de Miraflores District to increase local DRR capacity and disaster preparedness utilizing existing technical instruments in coordination with the Government of Peru National System for Disaster Risk Management (SINAGERD) in FY 2018. The project aims to enable local populations to implement risk reduction and preparedness measures, creating tools and establishing teams of volunteers to intervene and provide assistance in the event of an emergency.

Program activities include conducting awareness campaigns and disseminating information materials, leading training workshops for local leaders, equipping volunteer response groups, and organizing simulation drills.

- **Transferring DRR Best Practices:** USAID/OFDA provided more than \$565,000 to PREDES in FY 2018 to strengthen the disaster management capacity of the Municipal Association of Lima–North (MMLN) following local elections. The MMLN comprises seven districts with an estimated population of 1.9 million people, approximately 550,000 of whom reside in areas highly vulnerable to natural disasters. The project aims to build awareness of disaster-related risks and increase the disaster management capacity of the MMLN and associated municipalities, ensuring effective transfer of knowledge and processes related to DRR to the incoming authorities.
- **Enhancing Community-Based DRR in Northwestern Peru:** With more than \$815,000 in FY 2018 USAID/OFDA support, SC/US is building the capacity of communities in Peru’s Lambayeque and La Libertad departments to minimize risks posed by earthquakes, flooding, and heavy rainfall. The program works with local communities, municipal employees, and the Government of Peru to improve the capacity of local governments to implement DRR and disaster response activities. SC/US is also aims to increase community awareness of disaster risks, inform local businesses of DRR measures that can render supply chains less vulnerable to disasters, and work with communities and construction workers to make buildings more resilient to hazards.
- **Improving Child Protection in Disaster Risk Management Systems:** USAID/OFDA provided nearly \$522,000 to SC/US in FY 2018 to integrate child protection practices into disaster risk management strategies in Piura Province’s Cura Mori and Catacaos districts. Following the 2017 floods, relief agencies identified the need for a disaster response management approach that addresses protection needs of girls and boys affected by disasters. SC/US works with local governments, communities, and educational institutions to build capacity and develop risk management tools for the protection of children during crises. Program activities include training vulnerable communities and local and regional authorities in child protection principles and providing technical assistance to update disaster management tools with a child protection approach.
- **Building DRR Coordination and Capacity:** With \$500,000 in USAID/OFDA funding, the UN Development Program (UNDP) continued a multi-year program in FY 2018 to support improved coordination and decision-making processes for disaster response among national and local authorities in Peru. The program aimed to provide tools and methodologies—including a geo-referenced tool to provide critical data to decision-makers—to SINAGERD to support the adoption of a territorial approach to disaster risk management, grouping provinces and districts by geography, accessibility, and exposure to natural hazards. UNDP also helped develop strategies to ensure that facilities critical to humanitarian operations, including airports and seaports, remain functional following a disaster.
- **Strengthening Government DRR Capacity:** With \$350,000 in FY 2018 funding, USAID/OFDA is supporting WFP to help the Government of Peru address food and nutrition needs following a disaster. WFP aims to disseminate damage assessment and needs analysis methodology, train officials on humanitarian supply chain management, provide technical assistance to upgrade disaster information systems, and hold workshops to develop a national emergency operations plan. WFP is also supporting the National Institute of Civil Defense (INDECI) to further strengthen its logistics capacities with respect to the humanitarian supply chain, including pre-positioning and delivering food assistance.
- **Improving National USAR Capacity:** Peru remains highly vulnerable to natural disasters, including earthquakes and tsunamis. With nearly \$272,000 in FY 2018 USAID/OFDA funding, World Vision is strengthening the capacity of Peru’s first responder system and providing technical assistance to USAR teams by supporting the Government of Peru to develop standardized training and response protocols across agencies. Working with INDECI, World Vision is also organizing workshops and simulations to train first responders such as the Calloa and Lima USAR teams, as well as volunteers, particularly the General Corps of Volunteer Firefighters of Peru. Additionally, World Vision is providing search-and-rescue equipment and supplies to USAR teams.

- **Disaster Risk Reduction in Vulnerable Areas of Lima:** With prior year funding, PREDES continued to strengthen community, municipal, and national disaster risk management capacities in Lima Province’s Independencia District in FY 2018. Overall, the program supported an assessment to identify earthquake-vulnerable structures and conducted technical studies to determine appropriate techniques and materials to improve building strength and functionality. In addition, PREDES trained local communities in first aid, housing reinforcement, search-and-rescue, and WASH rehabilitation; supported pilot reforestation projects on unstable hillsides and promoted the sustainable management of local forest resources; and established safe areas and evacuation zones. From FY 2015–FY 2018, the program—which concluded in August 2018—reached more than 30,700 people.

PROGRAMS THAT INTEGRATE DRR WITH DISASTER RESPONSE

In addition to stand-alone DRR programs implemented to prepare for or mitigate the effects of disasters in the LAC region, USAID/OFDA integrated preparedness and mitigation into disaster response in the LAC region during FY 2018.

LAC Regional

- **Enhancing Child Protection Assessment and Monitoring Capacities:** In FY 2018, USAID/OFDA provided \$100,000 to UNICEF to enhance the capability of local actors to lead and participate in integrated assessments and analyses of child protection issues during crises. With USAID/OFDA support, UNICEF is training local stakeholders on assessment, measurement, and monitoring tools; developing methodologies to promote local engagement and leadership; and providing support to utilize data and advocate relevant strategies.

USAID/OFDA DRR FUNDING FOR LAC IN FY 2018¹

LOCATION	PROGRAM	ACTIVITY	PARTNER	SUBTOTAL	TOTAL
USAID/OFDA FUNDING FOR STAND-ALONE DRR PROGRAMS²					
LAC Regional	DRR in the Americas	Humanitarian Studies, Analysis, or Applications, Risk Management Policy and Practice	FIU	\$570,000	\$9,010,486
	Cash Response Readiness Programming in Latin America	Humanitarian Coordination and Information Management (HCIM), Risk Management Policy and Practice	GOAL	\$1,719,829	
	Strengthening National Disaster Risk Management Systems	HCIM, Risk Management Policy and Practice	GOAL	\$67,440	
	Strengthening the Use of Social Media for Communicating DRR	Risk Management Policy and Practice	IFRC	\$453,019	
	PREPARE	Risk Management Policy and Practice	Miyamoto International	\$3,100,000	
	Building Tsunami Preparedness	Natural and Technological Risks	NOAA	\$500,000	
	Strengthening Humanitarian Coordination and Capacity	HCIM	OCHA	\$1,500,000	
	Strengthening Resilience-Building Capacity at the Local Level	Risk Management Policy and Practice	UNISDR	\$499,969	
VDAP	Natural and Technological Risks	USGS	\$600,229		

Caribbean Regional	Building the Capacity of Caribbean Red Cross National Societies	Risk Management Policy and Practice	IFRC	\$900,000	\$3,037,912
	Strengthening DRCS Disaster Preparedness and Response	Risk Management Policy and Practice	IFRC	\$400,000	
	Supporting Emergency Preparedness Through Expanded Emergency Shelter Capacity	Shelter and Settlements	IOM	\$1,222,962	
	Developing an Integrated Coastal Inundation Forecasting System	Natural and Technological Risks	NOAA	\$500,000	
	Pre-Positioning Shelter Materials in Barbados and Dominica	Logistics Support and Relief Commodities	Priority Worldwide Services	\$14,950	
Central America Regional	Strengthening Risk Management and Disaster Response Education	Risk Management Policy and Practice	RET	\$150,000	\$650,000
	Central America Flood Forecasting and Early Warning: Weather-Ready Nations-Phase I	Natural and Technological Risks	NOAA	\$500,000	
South America Regional	South American Flash Flood Guidance System	Natural and Technological Risks	WMO	\$750,000	\$750,000
Colombia	Supporting Small Businesses to Mitigate Disaster Risk in Medellín	Economic Recovery and Market Systems (ERMS), Risk Management Policy and Practice	FENALCO	\$1,370,423	\$1,370,423
Costa Rica	Capacity Building for Municipal Emergency Committees	Risk Management Policy and Practice	World Vision	\$274,635	\$274,635
Dominican Republic	Supporting Forest Fire Management Efforts	HCIM, Humanitarian Studies, Analysis, or Applications	Pronatura	\$300,000	\$1,569,920
	Improving Domestic and Regional Humanitarian Response Capacity	Risk Management Policy and Practice	WFP	\$1,269,920	
Ecuador	Strengthening Disaster Risk Management Capacities	Risk Management Policy and Practice	ADRA	\$500,000	\$1,000,000
	Building Community Capacity for Risk Reduction and Early Warning	Risk Management Policy and Practice	World Vision	\$500,000	
El Salvador	Training and Equipping USAR Teams	Risk Management Policy and Practice	World Vision	\$300,000	\$300,000
Guatemala	Strengthening Disaster Preparedness in Petén	Risk Management Policy and Practice	CARE	\$300,000	\$2,050,000
	Coordinating Urban DRR in Guatemala	ERMS, Risk Management Policy and Practice, Shelter and Settlements	PCI	\$1,750,000	

	Strengthening Haiti's Disaster Preparedness and Response Capacity	Risk Management Policy and Practice	AmCross	\$200,000	
	Strengthening Multi-Purpose Cash Assistance Preparedness	HCIM, ERMS, Multipurpose Cash Assistance	CRS	\$750,000	
	Building the Capacity of Community- and Faith-Based Organizations	Protection, Risk Management Policy and Practice	CRS	\$117,820	
	Providing Technical Assistance to Improve Resilience in High-Risk Areas	Risk Management Policy and Practice	GOAL	\$186,153	
	Pre-Positioning Relief Supplies for Rapid Response to Crisis-Affected Populations	Logistics Support and Relief Commodities, Risk Management Policy and Practice	IOM	\$920,902	
Haiti	Bolstering Institutional Preparedness for Cash Transfers in Humanitarian Response	Multipurpose Cash Assistance, Risk Management Policy and Practice	Mercy Corp	\$531,762	\$3,954,781
	Building Earthquake and Hurricane Response Preparedness	Risk Management Policy and Practice	Miyamoto International	\$350,000	
	Strengthening Humanitarian Coordination and Capacity Building	HCIM	OCHA	\$214,000	
	Creating a Haiti Emergency Response and Risk Reduction Fund	Shelter and Settlements, WASH	PADF	\$200,000	
	Implementing a Neighborhood Approach to Capacity Building	Humanitarian Studies, Analysis, or Applications	PCI	\$150,000	
	Strengthening Departmental and National EOCs in Haiti	Risk Management Policy and Practice	USFS	\$334,144	
	Improving Local Disaster Prevention and Response Capacities	Risk Management Policy and Practice	ADRA	\$150,000	
Honduras	Supporting Resilient Neighborhoods in Tegucigalpa	ERMS, Natural and Technological Risks, Risk Management Policy and Practice, Shelter and Settlements, WASH	GOAL	\$2,177,382	\$2,652,177
	Institutional Strengthening of COPECO Regional Offices	Risk Management Policy and Practice	Plan USA	\$174,795	
	Strengthening National Institutions' Technical and Operational Capacity	Risk Management Policy and Practice	SC/US	\$150,000	
Jamaica	Building Resilience and Community DRR Capacities	Risk Management Policy and Practice	Habitat for Humanity	\$300,000	\$300,000
Peru	Increasing Resilience in Arequipa and Caylloma	Agriculture and Food Security, Risk Management Policy and Practice	ADRA	\$630,000	\$5,442,834

	Reinforcing Innovative Mechanisms for DRR in Rimac	Risk Management Policy and Practice, Shelter and Settlements, WASH	COOPI	\$329,151	
	Reducing Risk in Piura	Risk Management Policy and Practice	Plan USA	\$599,998	
	Increasing Community Resilience to Disasters in Cajamarca	Natural and Technological Risks, Risk Management Policy and Practice	Practical Action	\$200,000	
	Reducing Disaster Risk in Urban Settlements	Risk Management Policy and Practice	PREDES	\$659,148	
	Transferring DRR Best Practices	Risk Management Policy and Practice	PREDES	\$565,367	
	Enhancing Community-Based DRR in Northwestern Peru	ERMS, Risk Management Policy and Practice, Shelter and Settlements	SC/US	\$815,445	
	Improving Child Protection in Disaster Risk Management Systems	Protection	SC/US	\$521,964	
	Building DRR Coordination and Capacity	Risk Management Policy and Practice	UNDP	\$500,000	
	Strengthening Government DRR Capacity	Logistics Support and Relief Commodities, Risk Management Policy and Practice	WFP	\$350,000	
	Improving National USAR Capacity	Risk Management Policy and Practice	World Vision	\$271,761	
TOTAL USAID/OFDA FUNDING FOR STAND-ALONE DRR PROGRAMS				\$32,363,168	
USAID/OFDA FUNDING FOR PROGRAMS THAT INTEGRATE DRR WITH DISASTER RESPONSE					
LAC Regional	Enhancing Child Protection Assessment and Monitoring Capacities	Protection	UNICEF	\$100,000	\$100,000
TOTAL USAID/OFDA FUNDING FOR PROGRAMS THAT INTEGRATE DRR WITH DISASTER RESPONSE				\$100,000	
TOTAL USAID/OFDA DRR FUNDING FOR LAC IN FY 2018				\$32,463,168	

¹ Year of funding indicates the date of commitment or obligation, not appropriation, of funds. This chart captures all USAID/OFDA DRR funding provided in FY 2018; program descriptions in the fact sheet reflect USAID/OFDA-supported DRR programs active during the fiscal year, regardless of year of funding.

² USAID/OFDA funding represents actual or obligated amounts as of September 30, 2018.

PUBLIC DONATION INFORMATION

- The most effective way people can assist relief efforts is by making cash contributions to humanitarian organizations that are conducting relief operations. A list of humanitarian organizations that are accepting cash donations for disaster responses around the world can be found at www.interaction.org.
- USAID encourages cash donations because they allow aid professionals to procure the exact items needed (often in the affected region); reduce the burden on scarce resources (such as transportation routes, staff time, and warehouse space); can be transferred very quickly and without transportation costs; support the economy of the disaster-stricken region; and ensure culturally, dietary, and environmentally appropriate assistance.
- More information can be found at:
 - USAID Center for International Disaster Information: www.cidi.org or +1.202.661.7710
 - Information on relief activities of the humanitarian community can be found at www.reliefweb.int.

USAID/OFDA bulletins appear on the USAID website at <http://www.usaid.gov/what-we-do/working-crises-and-conflict/responding-times-crisis/where-we-work>