



***The aim of IIRR's CMDRR/CCA program is to ensure communities are able to withstand the devastation caused by natural disasters and adapt to climate change.***

## **Community Managed Disaster Risk Reduction (CMDRR) and Climate Change Adaptation (CCA)**

In line with the Sustainable Development Goals, our efforts focus on urgent actions to combat climate change and its impact. In 2015, we emphasized resilience-building measures, such as promoting climate-resilient agriculture, integrating livelihoods resilience into Disaster Risk Reduction (DRR), and bridging post-disaster relief efforts to long-term development.



**Youth is critical in preserving our environment and climate.**

***2015 was a year of increased learning and building upon past successes, particularly in the Philippines, Uganda, Indonesia, Bangladesh, and India.***



***After Typhoon Haiyan, known locally as Yolanda, IIRR sought to BRIDGE post-relief and recovery initiatives into long-term development.***

### **A “BRIDGE” to a Better Future**

Building relief and recovery towards resilience in disaster-affected areas in Panay Region (BRIDGE) provided interventions that allowed the region to recover more rapidly from the aftermath of Typhoon Haiyan. Livelihood assistance was given to farmers, including small livestock and poultry, and climate-smart agricultural approaches were introduced.



Farmers’ training using diversified and integrated farming techniques.

***By the end of 2015, 65 farmers were using diversified and integrated farming, thereby decreasing the risk of losing all their crops following a disaster.***

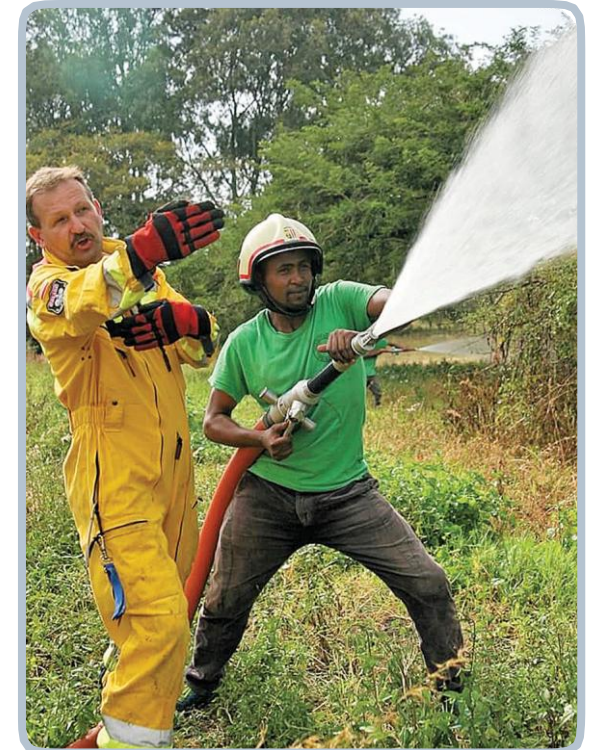


***In Ethiopia, we have innovated the DRR approach into fire hazard prevention and management by training and equipping brigades of two major cities.***

## Reducing the Risk of Urban Fire Disaster

IIRR has partnered with PCPM (Polish Center for International Development) to provide capacity-building and logistical support to two of the largest cities in Ethiopia, Bahirdar and Hawassa. The goal is to pilot a fire disaster reduction approach and develop a model from which other cities can learn. The aim is to have trained firefighters teach others to multiply the effect of the program.

Thomas, the commander of the fire brigade in Hawassa told the training team, ***“the simple skills we learned to protect our personal safety will make a huge difference when we are on duty. We have witnessed our friends get hurt in action and seen the pain that caused themselves and their families.”***



PCPM staff training the Ethiopian firefighter on proper use of waterhose.



***Coastal communities in the Philippines, Vietnam, India and Bangladesh have developed early warning systems against floods. Storm tracking and communication systems installed on boats to warn fishermen to evacuate to safety before storms hit to prevent loss of boats and life.***

## Using Information Communication Technology To Plan for Disaster

When disaster strikes, poor communities are often the hardest hit. As climate change further take its toll, and storms and droughts intensify, at-risk communities are further pushed to the brink.

IIRR has long-championed CMDRR (Community Managed Disaster Risk Reduction) as a means to mitigate the impact of disasters on the poor and vulnerable. By working directly with affected communities and local governments, we help communities plan for disasters before they happen.

■ [See full story](#)



Tracking and communication equipments provided for fisherfolks.



***Fishermen now have the ability to get real-time weather information while at sea. They are also able to regularly communicate with their families to let them know of their safety.***

### **Bangladesh: Sundarbans Adjacent Fishers Enabling to Resilience Building (SAFER) Project**

To help fishermen from the Sundarbans make better decisions at sea, a local NGO, An Organization for Socio-Economic Development (AOSED), with support from IIRR's NGODPP, developed and piloted a Vessel Tracking System (VTS). This unique system retrofitted technology available for vehicles and paired mobile phone services with fishing boats.



**Fishermen in Bangladesh learning to use Vessel Tracking System (VTS).**