



Left to right: JICA staff in an information and education campaign on DRR in schools; Support to rehabilitation in typhoon Yolanda areas, a disaster risk resilient school in Leyte; Hydratesting at the Cagayan de Oro river basin, Pasig-Markina River Channel Improvement Project Phase III



"Our learning experience in Japan made us explore further on how we can improve Disaster Risk Reduction and Management (DRRM) in the Philippines. Yet it challenged us to realize those dreams despite the cultural and institutional differences we have with Japan and the many challenges we face in our respective offices and institutions."

**- Ian James Secliano, Municipal DRRM Officer of Llob, Albay, Knowledge Co-Creation Program (Young Leaders) on Regional Revitalization in Disaster Prone Area participant**

"JICA has been providing valuable assistance to the socio-economic development of Asian countries like the Philippines under the Japanese government's Official Development Assistance (ODA) program. Through the years, PAGASA-DOST has been a lucky recipient of JICA Grant-Aid and technical cooperation providing funding for project, particularly observation and forecasting."

**- Dr. Vicente B. Malano, Administrator of Philippine Atmospheric Geophysical and Astronomical Services Administration (PAGASA)**

"JICA is a valuable partner of DOST-PHIVOLCS in achieving its mission to provide timely and accurate warning through grant aid projects on improving the national monitoring systems for volcano, earthquake and tsunami science and efficiently handle their knowledge on seismology, volcanology and capacity development of young staff to increase and tsunami aid supporting human resource"

**Undersecretary for Disaster Risk Reduction and Climate Change Affairs, Department of Science and Technology (DOST-PHIVOLCS)**

## Testimonials

## Partners in Disaster Risk Reduction in the Philippines

JICA holds consultations, trainings, research, and key DRR activities to promote and advocate for a systematic, seamless, and comprehensive approach to disaster risk reduction and management. This is achieved by collaborating with various stakeholders in the Philippines and in the global scene, for instance:

- Office of Civil Defense
- Department of Public Works and Highways
- Department of Science and Technology
- Philippine Institute of Volcanology and Seismology
- Philippine Atmospheric, Geophysical, and Astronomical Services Administration
- Department of Interior and Local Government
- Department of Social Welfare and Development
- Department of Education
- Metro Manila Development Authority
- Various NGAs and LGUs
- Japan Overseas Cooperation Volunteers (JOCV) Program
- Nagoya Institute of Technology and other Japanese Universities
- Japanese NGOs
- United Nations (UN) related agencies
- World Bank
- Asian Development Bank
- Other Development Partners and Organizations

JICA recognizes the impact of natural disasters to livelihood and a nation's development cycle. To help build a safer and resilient Philippines, JICA implements both structural (e.g. river improvement, dike construction, retarding basin for flood management) and non-structural measures (e.g. disaster warning systems, hazard maps, evacuation drills, policy development support) on disaster risk reduction.

Through various assistance schemes, JICA works with key national government agencies (NGAs) and local government units (LGUs), non-government organizations (NGOs), academe, and the private sector in raising disaster risk investments through infrastructure and capacity building activities. JICA also strives to help disseminate appropriate DRR awareness and understanding through provision of equipment, information campaigns, and knowledge sharing including policy discussions.

## Disaster Risk Reduction (DRR) Efforts for a Safer and Resilient Philippines

Above, left to right: Mayon Volcano, The Philippines' geographic location on the Pacific Ring of Fire makes it prone to natural disasters like volcanic eruptions; Through the Community Based Adaptation and Resilient Against Disasters (CBARAD), a disaster management system was created in pilot barangays in Iloilo City



The Japan International Cooperation Agency (JICA) is the executing agency of Japanese Official Development Assistance (ODA).

JICA envisions a free, peaceful, and prosperous world where people can hope for a better future and can explore their diverse potentials. JICA's commitment is based on its Development Cooperation Charter where they work with partner countries to achieve human security and quality growth.

JICA is the world's largest bilateral aid agency working with over 150 countries and regions. It has 15 branch offices across Japan and about a hundred overseas offices including the Philippines.

JICA is steadfast in sharing Japanese expertise and technology for long-term development impact. A key development partner of the Philippines since the 1960s, JICA also acts as a bridge towards stronger bilateral relations and lasting partnership between Japan and the Philippines.



## Disaster Risk Reduction Efforts for a Safer and Resilient Philippines



### JAPAN INTERNATIONAL COOPERATION AGENCY

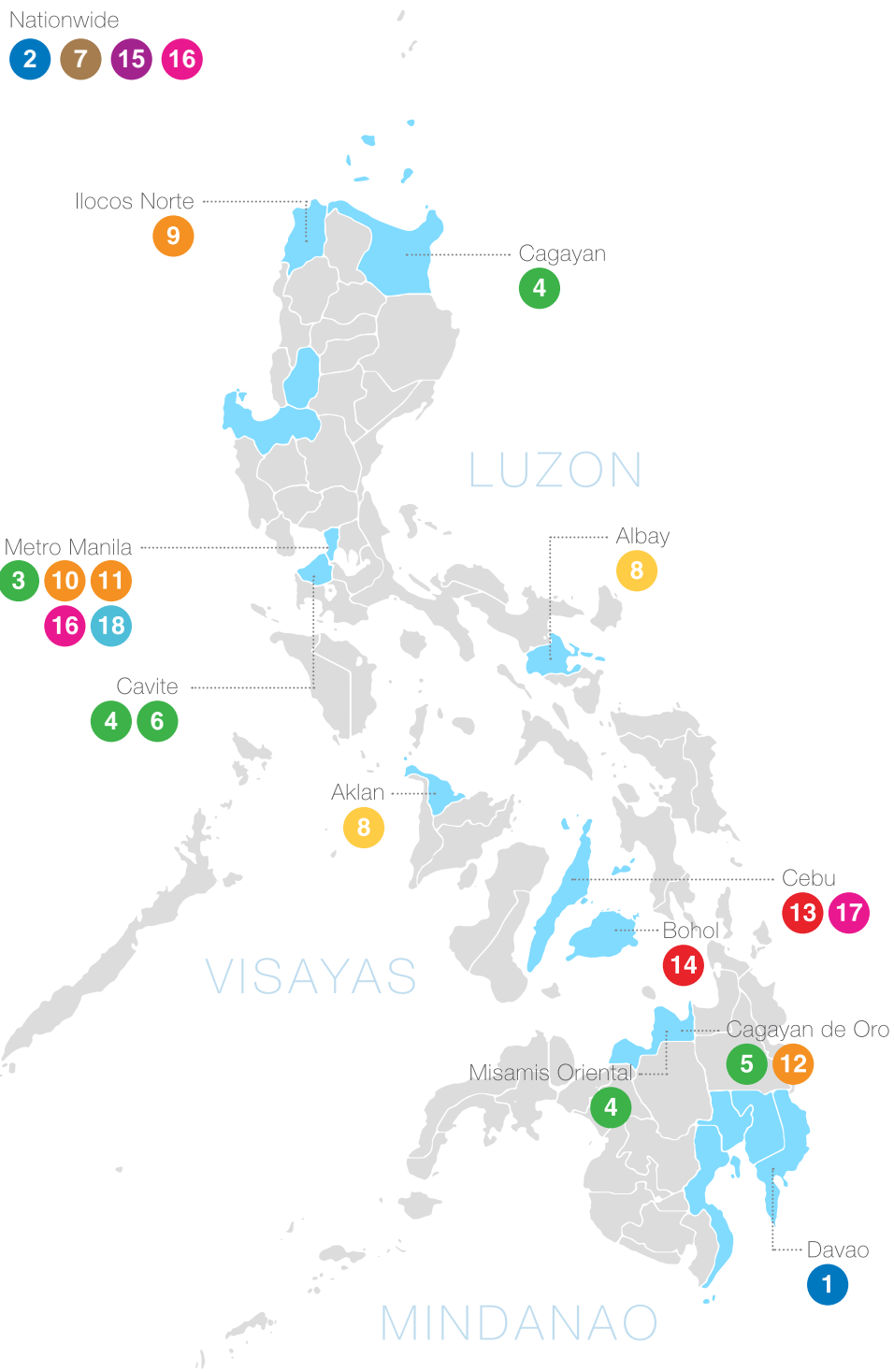
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Above, left to right: Senior Advisor Dr. Kimio Takeya discusses the world DRR trend; Japanese volunteer teaches students the concept of hazard mapping; Department of Public Works and Highways engineers at work for the Pasig-Marikina River Channel Improvement Project Phase III; Students perform an experiment to understand the weather

## Map of JICA's Cooperation Projects on Disaster Risk Reduction and Key Highlights\*



Below, left to right: Effective Flood Control Operation System Phase II (photo by Michel Rayo); Flood Mitigation Project in Ormoc; Shaking table experiment at Tsukuba, Japan for earthquake safety



Above, left to right: Japanese and Filipino experts work together for a community-based disaster preparedness initiative in Bohol; Study tour in Japan; PAGASA flood forecasting

Throughout our cooperation activities, JICA supports nation building and disaster resiliency by:

- Sharing Japan's technological experience for a safer and resilient society
- Helping formulate integrated disaster management plans
- Supporting human security through community-based disaster risk reduction and management

### Technical Cooperation (TCP)

- 1 Project for Master Plan on Flood Control and Drainage in Davao City | Davao
- 2 Strengthening Capacity of Integrated Data Management of Flood Forecasting and Warning | Nationwide

### Yen Loan (YL)

- 3 Pasig-Marikina River Channel Improvement Project, Phase III | Metro Manila
- 4 Flood Risk Management Project for Cagayan River, Tagoloan River and Imus River | Cagayan, Misamis Oriental, Cavite
- 5 Flood Risk Management for Cagayan de Oro River | Cagayan de Oro
- 6 Cavite Industrial Area Flood Risk Management Project | Cavite

### Emergency Relief (ER)

- 7 Capacity Building for Philippine National Rescue Team | Nationwide

### Japan Overseas Cooperation Volunteers Program (JOCV)

- 8 Japan Overseas Cooperation Volunteers with DRRM Activities | Albay, Kalibo

### Survey/Study (S/S)

- 9 Laoag River Basin Flood Control and Sabo Project | Ilocos Norte
- 10 Disaster Risk Reduction Capacity Enhancement Project Phase II | Metro Manila
- 11 Data Collection Survey for Parañaque Spillway Project | Metro Manila
- 12 Improvement of Flood Forecasting and Warning System for Cagayan de Oro River Basin | Cagayan de Oro

### Technical Cooperation for Grassroots Project (TCGP)

- 13 Promotion of School Disaster Risk Reduction and Management in Cebu | Cebu
- 14 Enhancement of Capacity for Participatory Disaster Management on Prevention, Preparedness, Response and Recovery in the Municipality of Tubigon, Bohol | Bohol

### Science and Technology Research Partnership for Sustainable Development (SATREPS)

- 15 Development of Extreme Weather Monitoring and Information Sharing System in the Philippines | Nationwide

### Support for Japanese Small and Medium Enterprises (SMEs)

- 16 Feasibility Survey for the Utilization of Self-Navigation Assembly Salvage Barge for the Construction Works on Disaster Management and Disaster Restoration | Metro Manila
- 17 Feasibility Survey for Disaster Risk Reduction Using River Flood Early Warning System in the Philippines | Cebu

### Individual Expert (IE)

- 18 Expert on Flood Management | Metro Manila

\*on-going projects as of January 2018