# Climate and Disaster Resilience at Community Level

Anna Marie A. Karaos

**Associate Director** 

John J Carroll Institute on Church and Social Issues











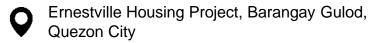


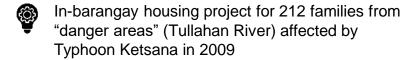
## Resilience through people-led housing

Government-assisted housing through people's planning protected livelihoods and lives by building in-city and better-quality housing as alternative to off-city resettlement.









Ernestville HOA, Foundation for the Development of the Urban Poor (FDUP), Social Housing Finance Corporation (SHFC), and Quezon City LGU









Manggahan Residences



In-city housing project for families from the banks and easement of the Manggahan Floodway affected by Typhoon Ketsana in 2009



Alliance of People's Organizations Along Manggahan Floodway (APOAMF), Community Organizers Multiversity (COM), National Housing Authority (NHA)





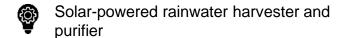


#### Resilience in basic services

Urban poor communities acquire and use resilience-enhancing technology to improve their access to clean water and lighting for common use.







Del Rosario Compound HOA, Foundation for the Development of the Urban Poor, Ateneo Innovation Center (AIC)





# 'Waterworld' folk tap solar power for clean drink

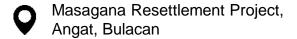
By: Jhesset O. Enano - Reporter / @JhessetEnanoINQ

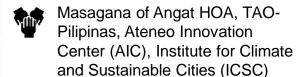












10 solar-powered streetlights in critical areas identified by community members (66 families from Navotas City); provided light at night after Typhoon Ulysses (Vamco)







Water Purification System (WPS) as alternative source of cheap and purified water

Provisions for the solar photovoltaic (PV) system in the multipurpose community facility for the elevated water tank

Use of eco-bricks and Micro Concrete Roof Tiles (MCR) as alternative building materials







## Resilience in community infrastructure

Urban poor communities acquire resilienceenhancing community infrastructure through block grants or advocacy with government.





Area 7, Barangay Nagkaisang Nayon, Quezon City



KASAMA-PO, Foundation for Development Alternatives (FDA), Partnership of Philippine Support Service Agencies (PHILSSA)



Urban Partnerships for Sustainable Upliftment (UPSURGE) Project - Construction of concrete roads and drainage; individual household water meter and connection







Building Sustainable and
Disaster-Resilient Communities Project







#### **Lessons** learned

The institutionalization of people-led processes was key to the upscaling or adoption of resilience-enhancing housing, services and infrastructure for the urban poor.

#### **Lessons learned**

An important by-product of people's planning is the building of capacities and networks connecting poor communities with resilienceenabling institutions, thereby enhancing sustainability.

### Thank you























