BIODIVERSITY CONSERVATION ECOSYSTEM RESILIENCE & ADAPTATION

LESSON LEARNED FROM INDONESIA BY MUCHRIZAL HARRIS



ASIA PACIFIC ADAPTATION NETWORK FORUM 2014 KUALA LUMPUR, OCTOBER 1st – 3rd, 2014

PARTNERS FOR RESILIENCE





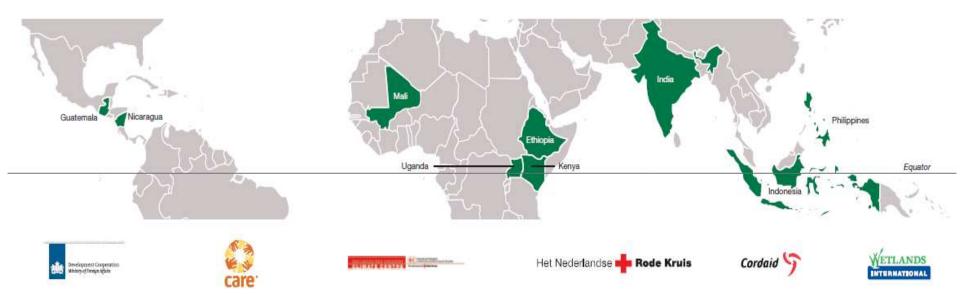




5 partners: Netherlands Red Cross, Red Cross Climate Centre, CARE NL, Cordaid, Wetlands International

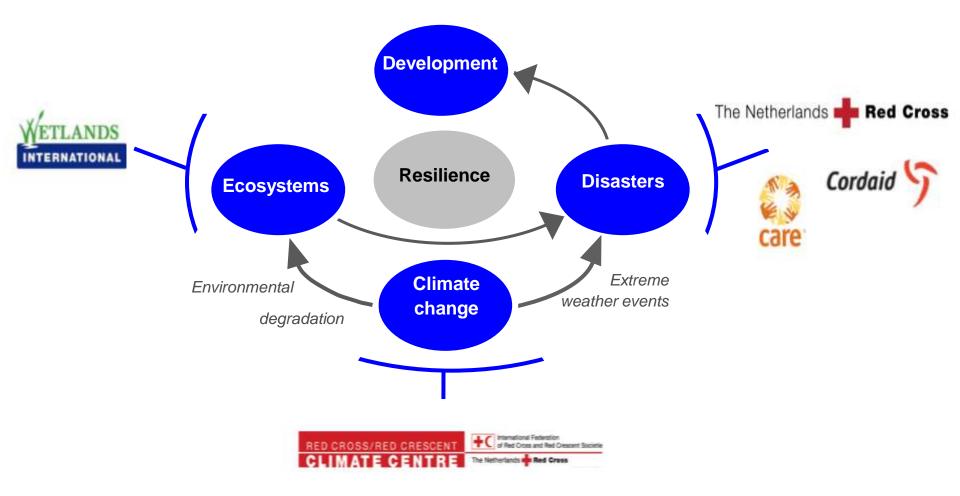
9 countries: Philippines, Indonesia, India, Mali, Uganda, Ethiopia, Kenya, Nicaragua and Guatemala.

5 years: 2011 – 2015

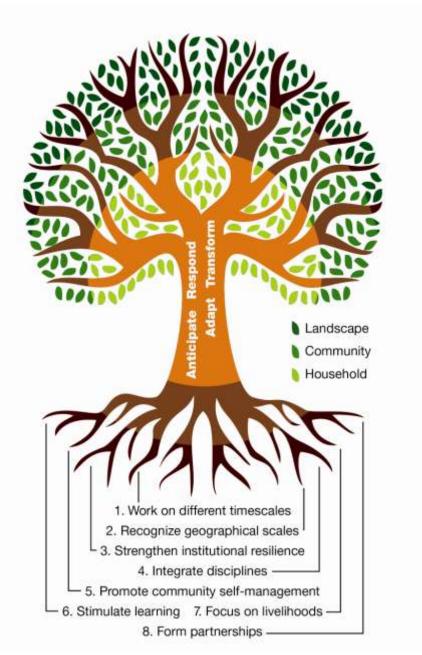


Overall aim

Reducing the impact of natural hazards on the livelihoods of vulnerable communities



Growing a vision for Resilience



Levels

Building blocks/ Intervention areas

Key principles

Eco(system)-DRR







Why ecosystem under-valued??

- traditionally, economists have focused primarily on the value of extractive land and resource uses
- ecosystem costs and benefits are typically not factored into the calculations used to inform decisions
- unsurprisingly, ecosystem-based approaches have not been treated as economically equitable, sustainable and cost-effective options for DRR/CCA

Source: Emerton, L. 2014



Properly managed ecosystem



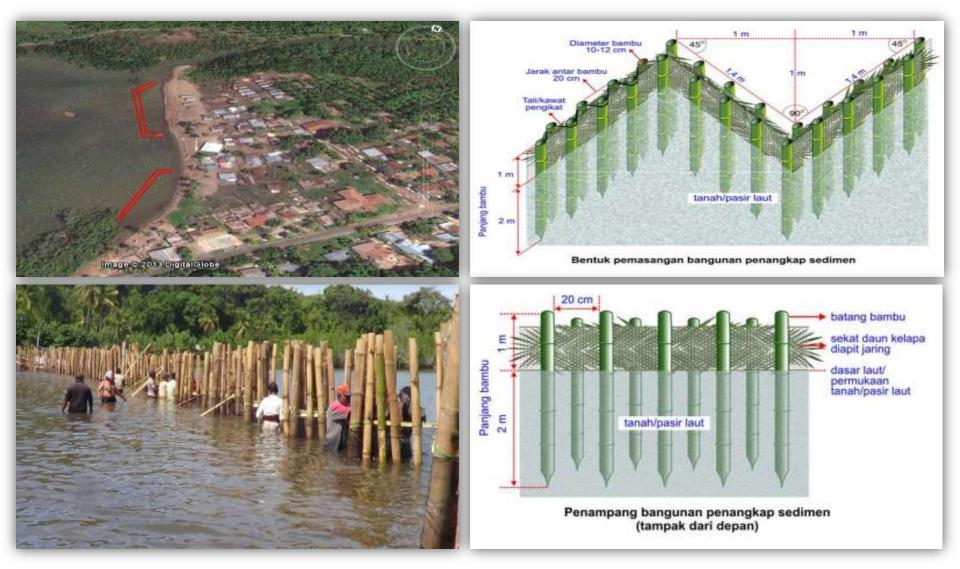
Reduce physical exposure on hazards







PFR Ecosystem Management Restoration Actions I. Conservation and Protection



PFR Ecosystem Management Restoration Actions

II. Restoration and Rehabilitation





PFR Ecosystem Management Restoration Actions II. SUSTAINABLE MANAGEMENT





Adaptive and improvement of Agricultural

- 1. Selection of seed plants
- 2. Process of nursery
- 3. Agricultural land management
- 4. The process of planting and maintenance
- 5. Control of pests and plant diseases
- 6. Harvest and post-harvest
- 7. The use of liquid organic fertilizer

PFR Ecosystem Management Restoration Actions

Policy and legislation at all level (village, district, province and national)



The important role of ecosystems in resiliencebuilding is already understood and applied

ACTIONS using landscape approach with multi-stakeholder cooperation

Climate Information

ADAPTIVE AGRICULTURAL PRACTICES TO PROTECT

1-12

PROTECT ECOSYSTEM SERVICE THAT SUPPORT WATER AVAILABILITY & ACCESS

DEVELOP PREPAREDNESS SYSTEM TO BETTER ANTICIPATE & PREPARE FOR FLOOD

1ULTI-STAKEHOLDER ENGAGEMENT FOCUSING ON WATER-CATCHMENT MANAGEMENT, /ILLAGE DEVELOPMENT PLANNING & REGULATION Water-related hazard from upstream to downstream (draught, flood that led to landslide, abrasion due to hightide)

Thank you

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<u>Website:</u> http://www.partnersforresilience.nl/countries/indonesia Email: mharris@redcross.nl

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Bajo's floating house Torosiaje Laut, Gorontalo © Yus Rusila Noor