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Green Jobs Promotion Through Green products for use in Socialized Housing Projects

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Outline

1. Background
2. Technical Cooperation Project
3. Challenges
4. Way Forward

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Background: Context



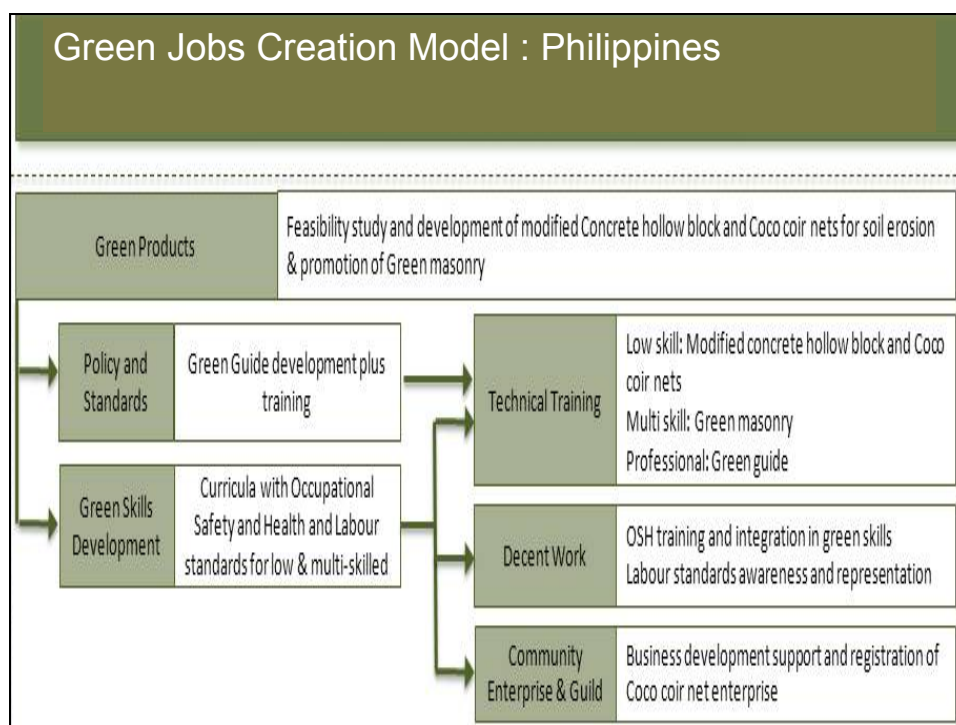
The Philippines is highly vulnerable to natural disasters and the impacts of climate change

- 3rd riskiest country in the world (UN World Risk Report 2011)
- 2nd in Asia on economic output exposed to natural hazards (Asia Natural Hazards Risk database 2012)
- \$ 240M cost of annual damages due to tropical storms & floods

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Green Construction Products

Modified concrete hollow block (walling systems of houses)



- 50% cement reduced
- Shredded plastic wastes, flyashes and rice husks ashes as additives
- Water resistant
- Shock resistant
- Price competitive and used in middle and high income housing

Coco net materials for soil erosion control and flood control in rivers and creeks)

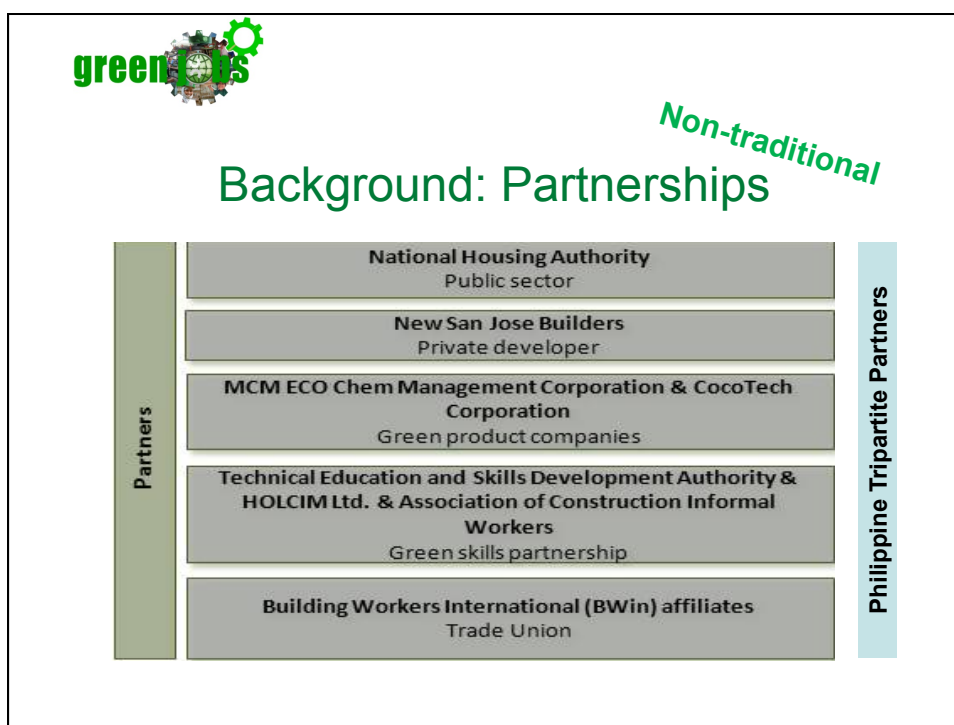


- Cost of materials is 5-10 less than conventional concrete materials
- Less cracks and walling collapse than solid concrete

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What the project has covered from April 2012

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Modified Concrete Hollow Blocks

Men and women trained on production of modified concrete hollow blocks



Some trainees continue training on block-making for use in prototyping walling systems onsite.

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Coco coir net production

Women and men trained on twining and weaving coco-coir ropes for application as erosion control systems





To date, 50 women trainees have produced 10,000 coconet twines, earning P1.25 per twine. Following weaving activities, trainees will be supported in forming a community-based enterprise.

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OSH in Construction Work

46 engineers and technical staff trained on occupational safety and health in construction and on elements of Decent Work




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Ongoing activities

Orientation Training on Green Guide for Socialized Housing
(29-30 August)

Green Masonry training (27 August-10 September)

- Training delivered by HOLCIM Ltd. and trade unions with competency assessment supervised by TESDA
- Green masonry guild will be registered with the Department of Labor and Employment

Donation of generic modified concrete hollow block formula mix (7 September)







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Challenges

- Project implementation delays
- Coordination issues
- Production issues
 - Decent Work requirements (SSS, Phil health)
 - Market mechanisms







Opportunities



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Emergency Response & Livelihood Rehabilitation

Primary goal – sustainable changes which mitigate future exposure while providing economic development

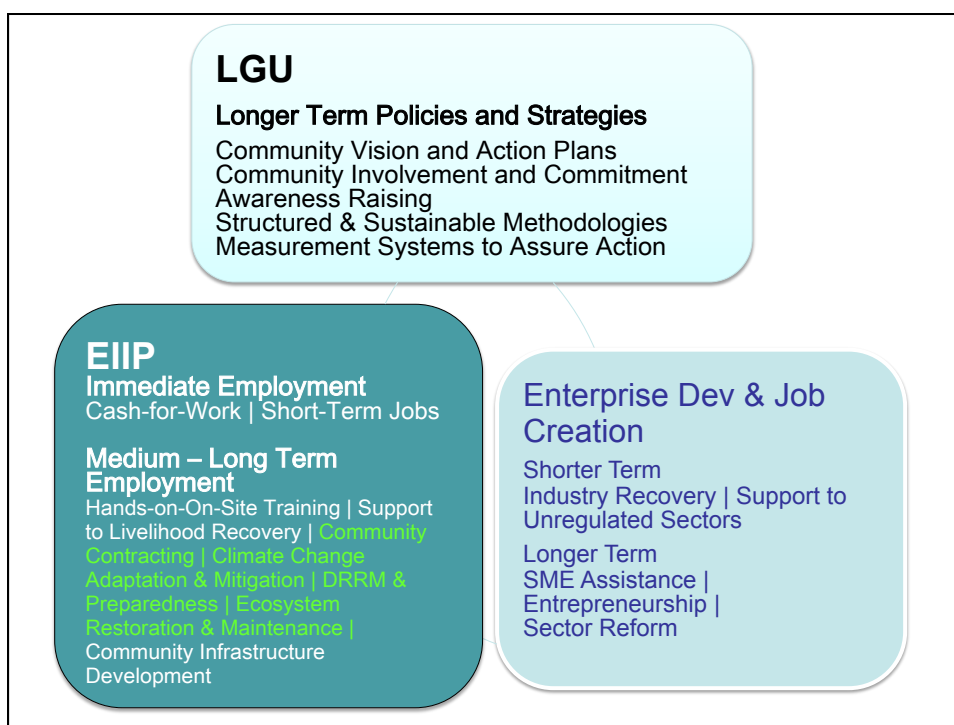
Integrating **green** approaches as part of medium term reconstruction efforts and sustaining livelihood recovery




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Way Forward

- **Mainstreaming** the 'green' approaches and methods in related ILO projects and activities in the Philippines
- **Continuously** working with constituents and partners to further develop emerging project concepts and integrating these approaches in local economic development
 - (DOLE, Climate Change Commission, Workers' groups)

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Thank You !

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