

Community Based Adaptation (CBA): Dealing with Poverty and Climate Change

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In the Side Event on
Asia-Pacific Initiative towards a Sustainable and
Environmentally Sound Society

Organized by
National Institute for Environmental Studies (NIES),
Japan
23 May 2006

About Presentation

■ Concept

- Designing Community Based Adaptation Projects to deal with to Climate Change and Poverty

■ Example

- Community Based Adaptation Project as Diversification of Livelihoods

■ Sharing Knowledge and Experiences

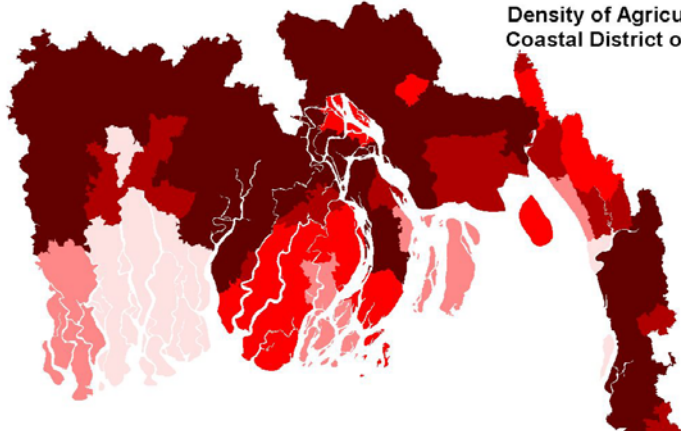
- International Workshop on Community Based Adaptation Workshop

Concept: Designing Community Based Adaptation Project

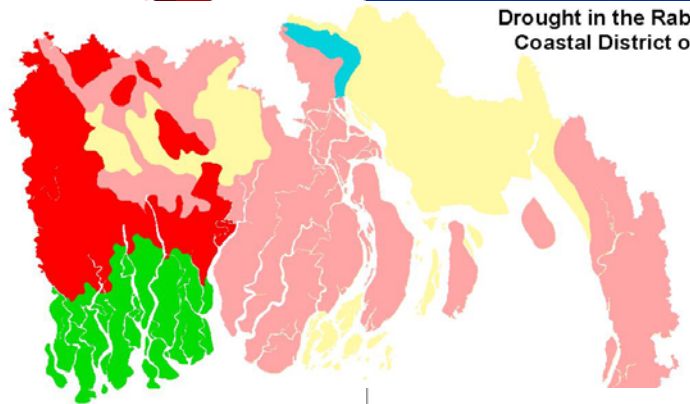
- Need both “top-down” and “bottom-up” approaches
- Top-down approach
 - Identification of vulnerable areas to climate variability and change
 - Poverty Mapping and if possible disaggregated by livelihoods
- Bottom-Up
 - Assessment of Community vulnerability and need assessment
- Design and Implement Project with community

Example: Identification of vulnerable agricultural Labour Community

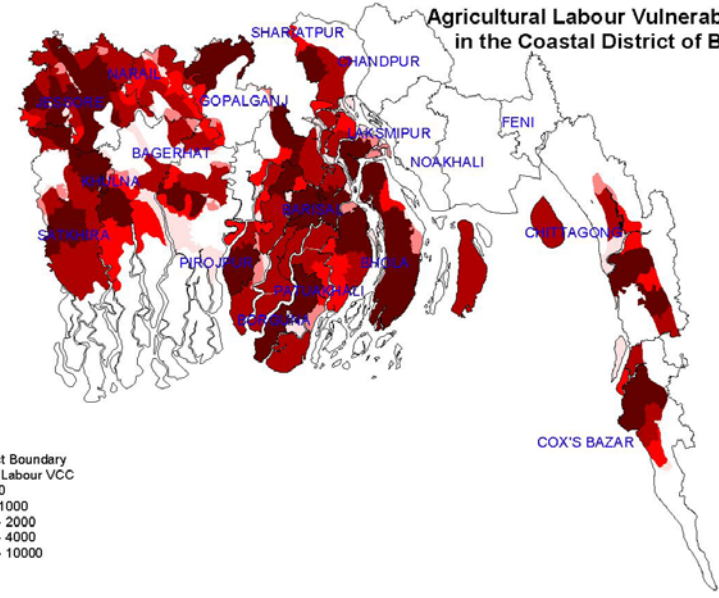
Density of Agricultural Labour Coastal District of Bangladesh



Drought in the Rabi Season in the Coastal District of Bangladesh



Agricultural Labour Vulnerable to Drought in the Coastal District of Bangladesh



Agriden
1
2
3
4
5

RabiCCD
Severe Drought
Moderate Drought
Slight Drought
Very Slight to Nil
Sunderban
River

District Boundary
Agricultural Labour VCC
1 - 500
500 - 1000
1000 - 2000
2000 - 4000
4000 - 10000

SouthSouthNorth: An Initiative to Design and Implement Community Based Adaptation Projects

- Six Countries in three continents
 - Bangladesh
 - Brazil
 - Indonesia
 - Mozambique
 - Tanzania
 - South Africa
- For more information <southsouthnorth.org>

Some Community Based Adaptation Options

- Flood Proofing (hydroponics, raising houses etc)
- Changes in cropping patter (irrigated crop rice vs Maize cultivation)
- Improvement of irrigation technologies
- Effective early warning system
- Training on new practices
- Mitigation and adaptation together
 - Coastal Afforestation (cyclone and storm surges and carbon sequestration)
- **Linking with income generation, livelihood opportunities**

Technologies for Adaptation to Flood Vulnerability

- Floating Agriculture: *Baira* (hydroponics)
- Traditionally been practicing by some communities in southern districts
- Recently this technology has been introduced in other wetland area through organized extension under environmental-developmental projects (RVCC, SEMP etc.)



Technologies for Adaptation to Cyclone Vulnerability

- Structural measures
- Multipurpose cyclone centres: emergency shelter
- Non-structural measures
- Storage of food (dry and drinking water) and seeds underneath soil using jar
- These structural and non-structural measures save lives and provide emergency support before relief operation
- Can not protect livestock and other assets



Sharing Experiences and Knowledge

- Workshop on Community Based Adaptation Workshop held in Dhaka in January 2005
 - About 60 international participant attended both development and climate change organizations
 - Emphasis was on Asia-Pacific
- Next International Workshop on Community Based Adaptation will be held on 09-16 January 2007
 - For more information, please contact with
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Thank You