Area Based Development and Climate Change

Introduction
Methodology
Country studies
Capacity Building and Dissemination
December 2008
Objective

Provide recommendations to decision makers in development projects and government agencies regarding

- Institutional investments necessary to facilitate cost-effective adaptation
- how territorial development initiatives can enhance the adaptive capacity/resilience of local actors and communities in the face of climate change (??)
Use participatory methods to

1. carry out a series of case studies linked to bank operations (irrigation, CDD, Agriculture, decentralization...) in *West Africa* (Senegal, Burkina Faso and Niger) and *Latin America* (Peru, Dominican republic and Mexico)

2. identify successful adaptation strategies and develop operational and policy relevant recommendations

3. understand the role of local institutions and organizations
Visual Representation of Territorial Development Approach to Adaptation to Climate Variability
A compendium of adaptation strategies for the selected countries and hazards (October 09)

Country studies and recommendations (October 09)

Operational toolkit on the role of local institutions and adaptation to Climate Change (January 2010)

Regional synthesis reports on the role of local institutions and adaptation to climate change (December 2010)
Importance of the study

**Climate change – global impact, local response**

- Poor, natural resource-dependent communities and households bear disproportionate burden of climate impacts.
- Adaptation occurs locally: Knowing local response and relationship to local institutions necessary to inform macro-level efforts.
- Widen adaptation focus beyond technical and infrastructure options.
The study will follow four main steps or chronological sequences:

1. **Defining the context**
   - Dec 08-March 09
   - Review of the Secondary Information
   - Site selection and identification of territorial context
   - Identification of the local stakeholders
   - Testing of questionnaires

2. **Data Collection**
   - April- July 09
   - Household survey
   - FGDs
   - Expert interviews
   - Instnl. interviews

3. **Data Analysis and identification of policy and operational recommendations**
   - Aug-Nov 09

4. **CB and Dissemination**
   - Dec 09 – Jun 10
   - Capacity Building and Dissemination of the results
At a country level study sites will be selected based on three criteria broadly corresponding to the factors denoting adaptive capacity: **Exposure, Sensitivity and Vulnerability**

- Two country-relevant hazards/country (droughts, heat waves, flash floods?)
- Three levels of exposure/hazard (lo, med, hi)

In each country there will be eight locations, which will be selected through following steps:

- Identify study sites in consultation with Bank projects and in Bank project locations
- Exposure and wealth (choice of four administrative territories); and
- Distance from district headquarters (low/high)
Data collection

- **Data collection strategies:**
  - Focus group discussions (3 in each study location – stakeholders, climate, institutions),
  - household interviews (at least 50 per site),
  - institutional stakeholder and expert interviews

- **Data needs relate to:**
  - The climatic features of selected territories;
  - The historical and current impacts of climate hazards;
  - Adaptation practices of different social groups, and equity impacts;
  - An assessment of adaptation gaps or deficits for different social groups;
  - Institutional inventory and linkages with social groups;
  - The nature, level, and direction of external support to different social groups
Country studies

partners

- Latin America regional coordinator: RIMISP (Centro Latinoamericano para el Desarrollo Rural)
- West Africa regional coordinator: SEI (Stockholm Environmental Institute)
- Inter-regional partner and quality control: University of Michigan
- Capacity Building and Dissemination: WBI
Study Site: Michoacan

The field work will be carried out in close cooperation with LCSSO study “Good Governance, Equitable Adaptation & Building Coalitions around Social Impacts of Climate Change in LCR”

Counterparts on the field: Maria Jose Burgin (coordinator) and Secretario del Desarrollo Rural de Michoacan

Bank projects in Michoacan:
- Procymaf – Community Forestry Project
- COINBIO – Indigenous and Community Biodiversity Conservation
Study site: Mantaro Valley

The field work will be carried out in close cooperation with LCSSO study “Good Governance, Equitable Adaptation & Building Coalitions around Social Impacts of Climate Change in LCR”

Counterparts on the field: GRADE (Grupo de Análisis para el Desarrollo, coordinator Javier Escobal), INIA (Instituto Nacional de Innovacion Agraria)

Bank projects in Mantaro Valley:
- Climate Change and Agricultural Vulnerability (LCSAR - ESW)
- Peru Subsector Irrigation in the Sierra (LCEN)
Study sites: Tamayo, Las Matas de Farfan y Padre de las Casas

Counterparts on the field: FLACSO (coordinator), SEEPyD (La Secretaría de Economía, Planificación y Desarrollo), SSEPLAN (Subsecretaría de Estado de Planificación), DGODT (Dirección General de Ordenamiento y Desarrollo Territorial), SEMARENA (Secretaría de Medio Ambiente) and its municipal environmental management units (Unidades de Gestión Ambiental—UGAMs), SEA (Secretaría de Agricultura)

Bank projects in DR:
- Community Driven Development Project
- Emergency Recovery and Disaster Risk Management
Study site: Sahel Region, Soum Province

Counterparts on the field: Bara Guèye / Jean-Marie-Diop (focal point), Réseau MARP, Conseil Nationale de L’environnement et le Development Durable (CONEDD), PAN LCD – Program d’Action National de Lutte Contre la Desertification, l'Association des Régions du Burkina

Bank projects:
- Second Phase Community Based Rural Development project
  Coordinator Marcel Tonde
  TTL Emmanuel Nikiema
- Sahel Integrated Ecosystem Mgt Project (SILEM)
  Coordinator Dominique Zongo
  TTL Emmanuel Nikiema
AFR - Senegal

- **Study site:** Ferlo zone in northern Senegal


- **Bank projects on the field:**
  - Agricultural Services & Producer Organizations Project 2 (PSAOP)
    Coordinator Amadou Dia
    TTL Renato Nardello
  - Agricultural markets and Agribusiness Development Project
    TTL El Hadj Adama Toure
  - Participatory Local Development Project
    Coordinator Samba Gueye
    TTL Demba Balde
AFR - Niger

- Study sites:
  - Tillaberry Region, Department of Ouallam

- Counterparts on the field: Oumar Dauda (coordinator), Regional Centre for Specialised Education in Agriculture (CRESA), Secrétaire Général au Ministère de l’Environnement, Conseil National de l’Environnement et Development Durable (CONEDD)

- Bank projects:
  - Community Action Project (PAC)
    TTL Abdoulaye Toure
  - Land/Climate (ESW – AFTEN)
Capacity Building and Dissemination

- Web-based events
- National/local workshops
- Regional/cross-regional workshops
- Dialogs with decision makers and policy makers
### Capacity Building and Dissemination Plan and Responsibilities

<table>
<thead>
<tr>
<th>Activity/Output</th>
<th>Date</th>
<th>SDV</th>
<th>WBI</th>
<th>SEI/RIMISP</th>
<th>UoM</th>
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<td>Jan-Feb 09</td>
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<td>Launching workshop (national – regional)</td>
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<td>Training of trainers</td>
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<td>Facilitated dialogues (together with FGDs)</td>
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<td>Collecting video material</td>
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