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CLICO WP 4

Policy Mapping and Development

**Policies that address the interface between
climate change, water conflicts and human
security**

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CLICO research design

In-depth study of links between climate change (CC) and human security

International and national **policies** re: climate variability + CC adaptation

11 in-depth **case studies**: CC hotspots

Conceptual framework

Policy: nat'l and int'l level: current and desirable policies

Identify generic driving forces of CC-induced conflict

Large **statistical N-study** of domestic water events

Policy: transboundary level

Synthesis report

Comprehensive **discussion** of project results and their research and policy **implications**

Understand determinants of **adaptive capacity** of transboundary water institutions and **uncertainty** and **conflict resolution** in water treaties



What are our objectives?

WP 4.1:

- ▶ Analyse **legal frameworks, policies** and **institutional settings** with a view to human security

WP 4.2:

- ▶ To **survey expectations and demands** of key **stakeholders**

WP 4.3:

- ▶ Envisage a suitable **UN and EU policy framework**
- ▶ **Develop recommendations** for screening and streamlining



What is our approach?

WP 4.1

- ▶ Screening of policies and institutional developments that address **climate change**, **water resource impacts**, and **security issues**:
 - ▶ *International level*: UN, EU.
 - ▶ *National level*: Cyprus, Egypt, Israel, Italy, Morocco, Niger, Palestine, Spain, Turkey
- ▶ In-depth analysis of 2 to 3 policies per international level / country



Example National Evaluation- NIGER

WP 4.1

Screening of 6 national programmes, plans and strategies and of 6 laws:

National Adaptation Programme on Action, National Environmental Plan for Sustainable Development, National Action Programme for Combating Desertification, Rural Development Action Plan ...

Rural Code, Water Code, Decree fixing the base areas of pastoralists, Law fixing a North-border setting the rights for culture...

In-depth analysis:

- ▶ **National Action Program for Combating Desertification**
- ▶ **Code rural – Water and Pastoral Codes**



Results of Policy Review

WP 4.1

- ▶ Few policies that address interface between climate change, water, human security and conflict explicitly
- ▶ Specific adaptation policies only starting
- ▶ But: some policies not explicitly targeted at climate change address conflict / human security risks





Policy example I

WUAs in Egypt

- ▶ Egypt: water scarcity (increasing with CC) and dependence of agriculture on irrigation → conflicts over water between upstream and downstream farmers
- ▶ Water user associations introduced in 1990s as part of broader scheme in water sector
- ▶ Participatory water management, along with technical improvements
- ▶ Result: Improved efficiency in water use and fewer conflicts
- ▶ Not a CC adaptation policy, but relevant to climate change/conflict nexus



Policy example II Turkish agricultural insurance

- ▶ Turkey: about a quarter of the work force in agriculture, CC will make water scarcer and increase frequency of droughts
- ▶ History of internal/international migration from agricultural areas, CC as human security issue
- ▶ Agricultural insurance pool introduced in 2005, no widely used agricultural insurance before
- ▶ Public-private partnership, with state contributing to farmers' premium payments
- ▶ Increase in insurance contracts, but drought excluded
- ▶ Not a CC adaptation policy, but potential to minimise human security risks



What is our approach?

WP 4.2

Interview campaigns with SH

← Stakeholder questionnaire addresses **perceptions, current policy, expectations and demands, international framework.**

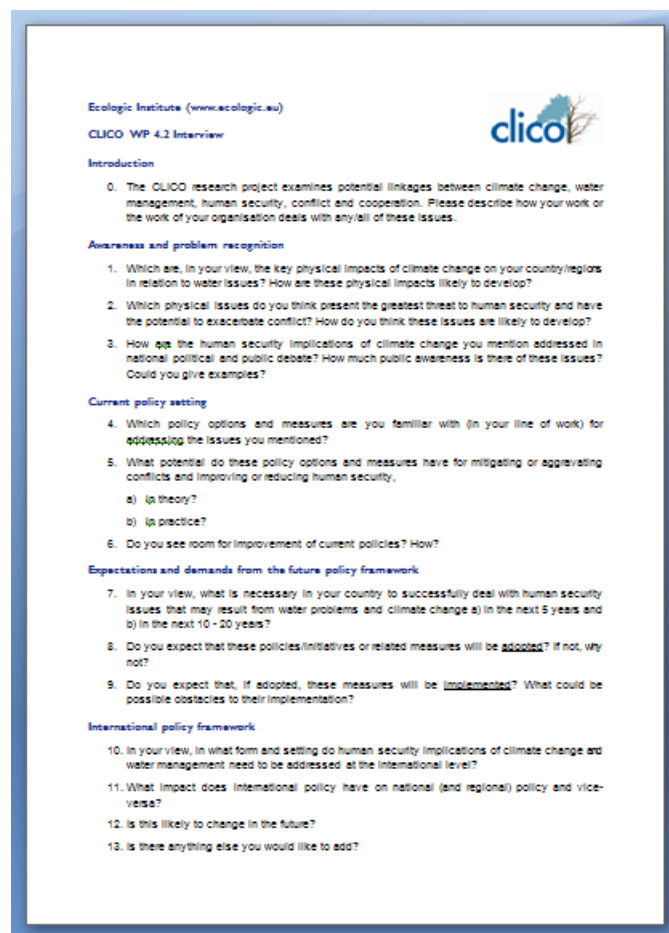
1. International level:

Phone interviews

2. National level:

One-to-one interviews in field trips to Israel, Palestine, Ethiopia, Egypt

Phone interviews





Following ... Round table discussion on ...

1. Climate change and impacts in Ethiopia

► *Sectors:*

- Subsistence agriculture,
- Commercial agriculture,
- Conflicts w/ pastoralists re. water and land use,
- Water management and urban supply

► *Questions:*

- Hazards of CC for this sector and likelihood?
- How big is the affected population, how big the political concern?
- Which actors would be responsible for adaptation?



Following ... Round table discussion on ...

2. Policy responses

► *Policy areas:*

- Rural development and land-use policy,
- Commercial agriculture policy,
- Water management and water supply policies.

► *Questions:*

- What policies exist?
- How do they perform?
- What additional policy efforts (new policies / mainstreaming) are needed?



Results of this and other policy reviews...

WP 4.1 Policy analysis

- ▶ Good practice policies provide experience and theoretical insights for design of adaptation policy (results on www.clico.org)

The round table feeds into ...

WP 4.2 Stakeholder perceptions & requirements (and WP 4.3 Recommendations for policy mainstreaming)

- ▶ Contributes to demand-driven approach to policy needs of SH
- ▶ Inform research on feasible policy direction on supranational level
- ▶ Recommendations for amendments and possible new elements.



Thank you for listening.

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