

CC DARE

Climate Change and Development
Adapting by Reducing Vulnerability

National Planning, Energy, Transport and Infrastructure – Scoping of Potential Areas for CC DARE Assistance

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Outline

- Projected climate change and impacts in Uganda
- Links to and opportunities for development and planning
- Examples on potential areas of assistance
- Discussion

...at some point, we will have a tea break...

Climate change projections for Uganda

- Temperature is predicted to increase by 2°-6° C
- Mean seasonal rainfall?

Projected to increase under some scenarios based on Global Circulation Models and to decrease in others...

Key impacts of projected climate change in Uganda

- Food insecurity as a consequence of droughts and floods
- Outbreak of diseases associated with floods and droughts (malaria, dengue fever, water-borne and respiratory diseases)
- Accelerated land degradation associated with heavy rainfalls
- Damage to infrastructure by floods.

Based on the Initial National Communication to the UNFCCC, IPCC Fourth Assessment Report (2007), and other studies

Links to development and planning

- Climate change influences the outcomes of development activities and has cross-sectoral implications
...But there is uncertainty regarding national and regional climate projections.
- There is a need to integrate climate change into planning at all levels to ensure the realisation of goals related to e.g. economic development and livelihoods
...But people are unsure about how to go about this in practice.

Links to development and planning

- Investments in infrastructure, energy and other sectors may fail if climate change is not taken into account
...But there is a need for specific analyses and assessment of the magnitudes involved.

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Potential entry points for targeted assistance

- Poverty Eradication Action Plan (PEAP): Integration of climate change in all sectors to ensure the objectives under the five pillars of the PEAP
- National Development Plan: Upcoming 5 year plan (2009)
- Sector Investment Plans (SIP's): Support the inclusion of CC in the consolidated SIP
- Second National Communication
- Key adaptation priorities and actions as identified in the NAPA
- The planned Rural Growth Programme, including Business-to-Business and rural roads/infrastructure

Potential areas of assistance?

Integration of climate vulnerability in development planning at national, sectoral and local community level:

- Raise awareness on actual and expected climate changes at national and local level, their likely impacts and appropriate adaptation efforts.
- Analysis of climate sensitive areas that are critical to the achievement of key development objectives in Uganda, and development of a roadmap for integrating climate change vulnerabilities.

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Potential areas of assistance?

- Analysis and quantification of key links between climate change impacts and adaptation options and general development goals.
- Build capacity for climate screening of activities in different sectors.
- Design and test a format for incorporating climate vulnerability in the PEAP. The format would include qualitative- and quantitative development and climate vulnerability relationships for the five PEAP pillars.

Potential areas of assistance?

- Identification of climate change sensitive activities in energy and infrastructure (short, medium and long term), and assessment of vulnerabilities in relation to specific projects.
- Develop and test a simple tool, i.e. climate screening module, for planning of infrastructure investments (e.g. roads, buildings, bridges, dams, and rail) including maintenance
- Analysis of climate change impacts on hydropower and energy transmission systems.

...to be continued in our discussions!

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Thank You!

More information can be found at:
<http://www.uneprisoe.org>
<http://ccdare.org>

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Framing Issues/Questions

- How is CC considered in your organisation and its work?
- What initiatives do you have at the moment (past, present, future)
- Gaps in current knowledge and activities? What are the main constraints to integrating CC into key issues that you are dealing with?
- Ideas for proposals