



ADAPT* : A Tool to Screen Development Projects for Climate Risk

*Assessment and Design for Adaptation to climate change: a Prototype Tool

The Basics

What is ADAPT?

A computer-based tool to be used at the project design stage to screen for risks posed by climate change and variability.

Why was it developed?

A substantial portion of the Bank's development lending is in climate-sensitive sectors such as agriculture, water and sanitation, infrastructure, health and transportation.



Climate change – long-term changes in climatic averages as well as in the occurrence of extreme events such as droughts and floods - can impact on project suitability and robustness and thus on community vulnerability.

On average, a quarter of the World Bank's annual investment lending is climate-sensitive.

Who are its users?

ADAPT is meant for use by development practitioners involved in project planning and design. These include Bank staff, bilateral agencies, client governments and the NGO community.

How Does it Work?

1. Project activities are identified...

The user is asked a series of questions to identify project activities and location.

2. ... And a climate database is consulted

Database of future climate model projections for 7-10 key climate variables for proposed location.

3. A climate risk assessment is made

Activities are ranked as sensitive to varying degrees, depending on location, current and projected climate, and type of activity. This is based on expert assessment.

Results

- Significant climate risk
- Some climate risk
- Not enough known to assess
- No climate threat perceived
- Activity may reduce climate risk

- Qualitative color-coded flagging of climate sensitivity
- Explanation of reason for sensitivity rating
- Adaptation options briefly given
- A sensitivity analysis
- Relevant literature and tools
- Experts' database
- Can save and print outputs

ADAPT will also include climate-change-related spatial data layers, such as:

- Hazard maps
- Crop yield maps
- Current land use maps

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More on ADAPT...

- requires minimal computing skills, hardware and software
- runs on MS Excel
- guides user through screening process and provides online training
- screens multiple sectors and regions

Sensitive Activities | Experts | 15 Documents | Climate |

Sensitive Activity

This project involves/concerns construction of earthen dams or tanks.

Why this Activity is Sensitive

The sensitivity (flag colour) is due to Rainfall variability. Your project site is projected to have increased rainfall and/or increased rainfall variability. Ensure that the design of the check dams and or earthen dams (tanks) will cope with heavier flows of water.

Climate projection

Hi Lo

NEXT Flag Colour

PREVIOUS Activity

NEXT Activity

What can be done?

The sensitivity (flag colour) is due to Rainfall variability. You may need to consider increasing the strength of the check dams or their overflow channels to handle increased flows of water.