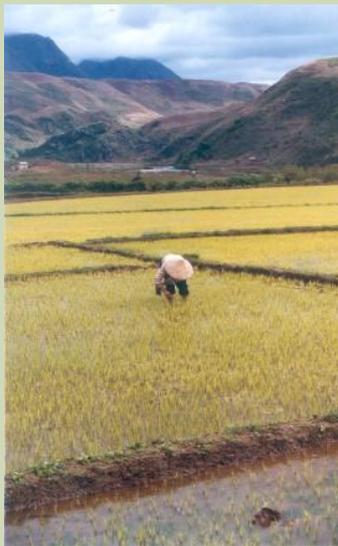


The Global Adaptation Atlas



Establishing Priorities for Research, Policy and Action on Adaptation

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Improving the Assessment and Valuation of Climate Change Impacts for Policy and Regulatory Analysis- November 18-19, 2010

What is the Adaptation Atlas?

- Web-based application enables user driven, dynamically generated maps of climate impacts and adaptation activities:

- Database of impacts from peer reviewed climate studies
- Repository of adaptation projects
- Data available for download and uploads of new data supported
- User can select different locations, timeframes, scenarios and overlay resulting data across sectors

Autumn/winter irrigation as an adaptive mechanism for efficient use of water resources in Southern Kazakhstan Details

Activity Type: Project
Status: Ongoing
Funding Source: UNDP & GEF
Location: Sadu Shakirov

Start Date: 1/3/2009 Duration (years): 2
Total Funding: \$45,286

Description: The project will implement new systems of irrigation – during the autumn and winter – in pilot sites, to demonstrate the effectiveness of this technique, and promote its replication by neighbouring ranchers. Essentially, irrigation in Autumn and Winter – the periods of the year with average temperatures below zero – replicates the same effect of snowfall, which is declining. Water delivered to pastures during these seasons melts and promotes grass growth during the spring thaw. In addition to benefits to the local community, the project will publish a short booklet, aimed at facilitating replication in areas facing similar challenges.

Project Website

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Save Project to My Atlas
About this dataset

Caption: Broken down irrigation infrastructure in Sadu Shakirov Village, Kazakhstan. This CBA project will rehabilitate the local system of canals, in order to enable cold-season irrigation as a means of sustainably managing water and pastures in the face of climate change.

Beta version available at www.adaptationatlas.org

Methodological Questions

1. Data Solicitation and Collection

- Literature searches
- Individual author solicitation

2. Study Harmonization/ Comparability

- Each study is its own story
- 'meta' filters

3. Atlas Outputs

The Uncertainty Issue

- Hales et al. 2002, “Potential Effect of Population and Climate Changes on Global Distribution of Dengue Fever: an Empirical Model”
- 4 sets of sensitivity analyses using the ECHAM4, CGCMA1, CGCMA2 and CCSR/NIES models.
- Unique layers that fit into the decision framework of the Atlas.
- Differences between dealing with sensitivity analyses and uncertainty analyses.

