



## **Adaptation Tools in a SEA in Mali**

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**Abstract:** As most governments worldwide acknowledge that climate change will affect development, the need to review and adapt national and regional plans arises. To answer the demand for support in adaptation to climate change proclaimed by developing countries, the German Development Cooperation has designed Climate Proofing for Development (CP4Dev). Mali is one of the countries which has tested the application of the instrument to support its development and strengthen sustainability.

On the national level, CP4Dev in Mali has been applied systematically as a pilot measure in a Strategic Environmental Assessment (SEA) conducted within the Malian “National Program for Small-scale Irrigation” (PNIP), during December 2009 and May 2010. This SEA was a prototype supported by the German Development Cooperation, and characterized by a strong ownership by the Malian government. To assure the systematic consideration of challenges related to climate change and support the development of appropriate measures within the PNIP, the SEA was complemented with CP4Dev. On the methodological level, this led to add two stages to the already existing framework of the SEA: the identification of so called Exposure Units and the formulation of adaptation options. The combined methodology was applied successfully. Exposure Units were defined, biophysical and socio-economic effects of climate change were identified, and relevant adaptation options were developed.

CP4Dev proofed as a flexible, applicable and comprehensible instrument that could be easily integrated into the SEA. The Malian Government is in a process of institutionalization of SEA as a governance tool. The pilot application on the National Program for Small-scale Irrigation serves as practical example for the conceptualization and the integration of climate change challenges.

**Summary:** German Development Cooperation supported implementing SEA within the “National Program for Small-scale Irrigation” (PNIP) in Mali. In considering the challenges and supporting the development of appropriate measures within the PNIP, the instrument Climate Proofing for Development was created, which is a flexible and comprehensible tool that can be easily integrated into the SEA.