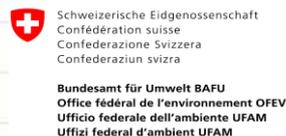


RIVER DRIN BASIN MANAGEMENT PROJECT

DEJAN PANOVSKI , MEMBER OF DRIN CORE GROUP

Core group on pilot projects, third meeting
Global Network of basins working on climate change adaptation, first meeting

Geneva, 20-21 February 2013





SOUTH EAST EUROPE

- MAIN CITIES
- NATIONAL CAPITALS
- PROVINCE BOUNDARIES*
- REPUBLIC BOUNDARY*
- RIVERS
- INTERNATIONAL BOUNDARIES

0 100 200 300 400 500 KILOMETERS

This map was produced by the Map Design Unit of The World Bank. The boundaries, colors, denominations and any other information shown on this map do not imply, on the part of The World Bank Group, any

SHORT INTRODUCTION

The expected changes in surface air temperature and humidity will lead to increases in the heat index and can lead to deforestation and intensive or extreme rain events, heat waves, floods and droughts

Climate change will very likely reduced availability of water and affects water level on the Lakes inside the Basin (Prespa,Ohrid,Skadar)

Since the Drin Basin is used as a hydro energy potential (5 dams) ,climate changes will affect producing of energy in the Region

Main aim of the project

Improving adaptation to climate change related effects, in particular concerning flood and drought, in the Drin river basin

CONCRETE RESULTS IN THE PAST YEAR

The governments of the respective countries have taken initiatives for improving the legal and regulatory framework in line with the EU legislation, as well as for developing management tools and mechanisms for some parts or some aspects of the Drin river basin.

According to the national communications to UNFCCC from Albania, Montenegro and Macedonia, as well as to the report 'The state of water in Kosovo', climate change will have serious impacts in the Drin river basin.

MOU signed November 2011 under Drin Dialogue Process , having a goal on climate change risks especially cooperation on flood prevention

ESTABLISHED TRANSBOUNDARY COOPERATION

Transboundary cooperation established and Lake Agreements didn't tackled the question of adaptation to climate changes.

Transboundary cooperation:

Lake Ohrid .Lake Prespa, Lake Skadar/Shkodra

2011 Memorandum for Understanding on River basin scale, Drin Dialogue strong process of unifying the cooperation and promoting new actions in the basin

The project

“Adaptation to climate change in the Drin river basin”

The activities will be mainly implemented from 2013 -2016 .The intervention area is the Drin river basin including all connected water bodies in Albania, Montenegro, Kosovo and Macedonia.

The project focuses on adapting the risk management mechanisms to the increased flood and drought risks. The activities will focus on drought in Kosovo and Macedonia, and on flood in Albania and Montenegro.

The German Federal Ministry for Economic Cooperation and Development (BMZ) has requested GIZ to prepare a project design for the proposed project **“Adaptation to climate change in the Drin river basin”**. The German contribution will be financed by the Federal Energy and Climate Fund.

EXPECTED OUTCOMES OF THE PROJECT

Regional monitoring and alert platform

The web-based monitoring and alert platform will include real time data for establishing a flood alert system and no real time data for analysis purpose. The data will be jointly assessed at regional level (based on modelling tools) in order to develop an early warning system

Strategic framework for climate change adaptation

Output includes the consideration of climate change in the preparation of management plans related to the Drin river basin, in particular by assessing the impacts of climate change on water resources, integrating flood and drought risk management

Concepts, instruments and procedures for climate change adaptation at municipal level

This includes the development of flood hazard maps and floods risks maps by national institutions (for the areas where they are not yet available), as well as the preparation of local flood risk management plans including preparation, protection and preparedness.

FUTURE PLANS

Support municipalities for implementing prevention measures, for example by adapting urban planning/land use planning, regulation of gravel and sand exploitation along rivers, conservation of alluvial meadows/ floodplains, wetlands and other retention areas along rivers, designation of artificial flood retention spaces

Monitoring system and focuses on mechanisms for water use restriction in case of drought, as well as for the development of medium-term strategies for the reduction of water use in summer

Revision of the Old Agreement on water level in Lake Basins (Ohrid Lake) ,regarding usage of water for hydro power production

QUESTION TO THE OTHER PILOT PROJECTS?

How the monitoring system is organized in the meaning of joint communication and early warning on possible risk ?

How the local community is involved in the process of adaptation on climate changes ?

Which are the most affected sectors from climate changes in the region as river basins are and how that affects public participation process?