

# ICI project –Capacity Building on the Water Monitoring and Management in Georgia, 2011-2013 (Georgia Waters)

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# Institutional Cooperation Instrument (ICI) in the nutshell

- Twinning project between SYKE and NEA
- Focusing on capacity building



# Project activities

The Georgian Waters project is divided to three results (components) in which are several activities. The three project components are:

- Capacity building on transboundary cooperation of Lake Jandar
- Adaption to climate change: capacity building on flood risk management planning
- Institutional developing of the NEA in the field of environmental monitoring

# Jandar

- Analyze of existing situation on basis of background information (interviews and experts meetings responsible of the lake monitoring). Seminars and roundtable discussions of different stakeholders.
- In collaboration with Azerbaijan and Georgian environmental authorities prepare a monitoring programme for the lake by applying the UNECE Guidance on Monitoring and Assessment of transboundary waters.
- Strengthen cross border cooperation among Georgia and Azerbaijan around issues of effective transboundary management of water resources of lake Jandar. This will be done in close relation with the Georgian Azerbaijan Joint Board on environmental protection of the lake.
- Regular exchange of water monitoring data of Lake Jandar between Georgia and Azerbaijan.



# Jandar

- Assessment of chemical, biological and ecological status of the lake.
- Social economical study (in Georgian side of lake) of the importance of the Lake Jandar for the local inhabitants living in the lake area.
- Integrated assessment of different methods to protect the Lake Jandar by using Multi-criteria analysis (MCDA) .
- To increase public awareness on protection of ecosystem of Lake Jandar.

# Adaption to climate change: capacity building in flood risk management planning

- Capacity building of the NEA in the methods of flood risks mapping.
- Assessment of the current and needed data of the NEA needed for flood risks mapping.
- Field studies on the River Rioni area.
- Hand on training on flood risks management (arranged in Finland (SYKE) and Georgia).
- Renovation of some hydrometeorological stations of the River Rioni catchment area as a part of operative hydrological information system.

# Institutional developing of the NEA on environmental monitoring

- Detecting the Black Sea surface water temperatures and suspended solids by using the methods of Remote Sensing.
- Two field sampling missions (one in 2011 and 2012) of Georgian main rivers. Nutrient, heavy metals and pesticide analyses.
- Training the staff of NEA in responsible for the microbiological water analyses. The needed training is arranged both in Finland and Georgia.
- Capacity building of the NEA in the field of environmental sampling (chemical and biological). Developing the certification system for the personnel responsible for the sampling. The needed training is arranged both in Finland and Georgia.
- Capacity building in the field of the laboratory quality management and accreditation. Arranging laboratory intercomparison tests between Georgian laboratories of NEA and SYKE laboratory.

# Jandar Lake

- Analyze of existing situation on the basis of background information
- Establishing a Joint Body which undertakes effective water monitoring, assessment, management and protection activities
- Development of effective management of water monitoring and data exchange



## IMPLEMENTED AND ONGOING ACTIVITIES

- Trainings were organized in Finland related to physical-chemical and microbiological analysis, flood risk management and remote sensing;
- Together with UNDP/GEF project training was organized about bio-monitoring;
- MCDA workshop;
- Field training on biological monitoring methods;
- Laboratory intercalibration test between the NEA and SYKE laboratories;
- Aquatic macrophyte monitoring of Lake Jandara;
- Lake depths survey on the Georgian part of the Lake Jandara

*THANK YOU*



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