Swiss Agency for Development and Cooperation SDC

EBP

Jinsha River: Water Resources Management under Changing Climate in China

Client

Swiss Agency for Development and Cooperation SDC

Datos generales

Período	2015 - 2018
País del proyecto	China

Chinese and Swiss experts analyze climate change impacts on water resources and extreme events (such as floods and droughts) in the Jinsha river basin, the upper reach of Yangtze river in China. They elaborate adaption measures to climate change for an integrated water resources management. EBP has the lead of the project and contributes to several technical project components.

The effects of climate change on the Yangtze river are crucial for the economy, food production, livelihood safety and ecosystems of about one third of China. The Jinsha River Basin project (JRB) studies these impacts in the upper Yangtze, where glacier and climatic variability greatly influence the water regimes, and measures are needed for a sustainable, integrated water management catering for hazard and water management, hydroelectricity and agricultural production as well as biodiversity and human wellbeing in the coming years.

The project goals are to improve the integrated water resources and risk management framework for the JRB, to sustain human development under changing climate.

Teams of Chinese and Swiss experts (EBP, Geotest, E-dric.ch) share experience and collaborate on knowledge of water dynamics in JRB (e.g. extreme event documentation, monitoring systems, hydro-meteorological forecasting, ecosystems, water supply and demand), identifies and analyses impacts of climate change on water supply and extreme events.

Furthermore, adaptation strategies and measures to climate change for water resources and flood control and drought relief based on risk management are developed and assessed. An international platform for knowledge and expertise exchange on water resources management and climate change adaptation discusses on going work and draws out lessons and understanding relevant to efforts to adapt to climate change elsewhere in the world.

EBP is responsible for the overall project management and contributes to several technical components such as water supply and water demand, ecosystems, climate change scenarios and their impacts on water resources and extreme events, adaptation strategies and measures etc. The services include workplans, workshops, technical discussions and consulting, project understanding, workshop reports, data analysis, model application as well as organizing of conferences and study tours.

Contact Persons

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