

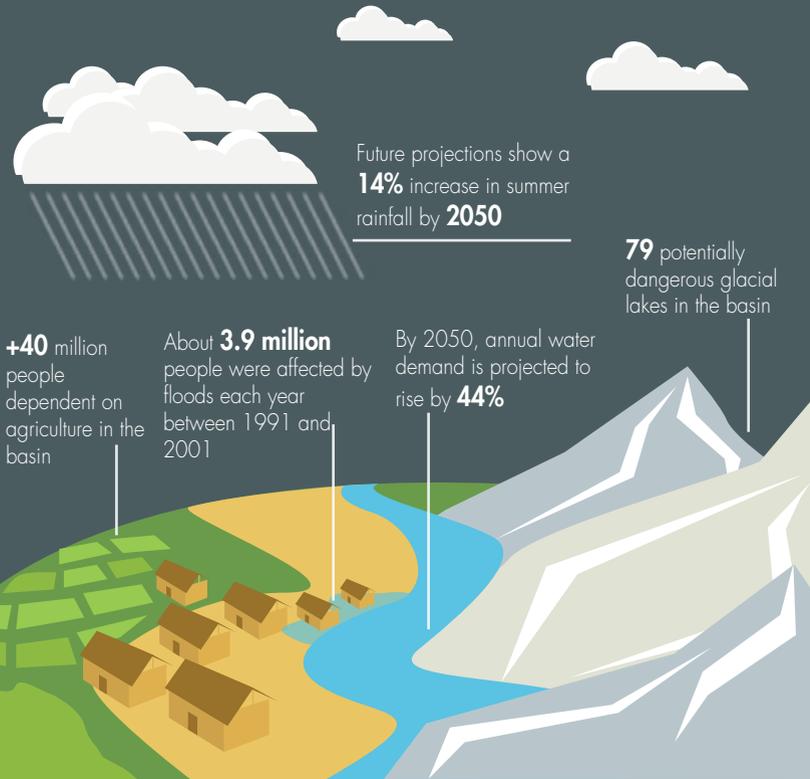
The Koshi Basin Initiative





The Koshi River Basin

The Koshi River basin has some of the tallest peaks in the world, including Mount Everest. These mountains are a massive store of freshwater in the form of glaciers, snow, and glacial lakes. While the basin has huge potential for irrigation and hydropower development, it is also a multi-hazard environment, vulnerable to landslides, floods and glacial lake outburst floods, and droughts. The transboundary basin is also under pressure from climate change, rapid urbanization, and increasing demands on ecosystem goods and services. Poor mountain women and men are often the most vulnerable to natural disasters and the least able to adapt and respond to rapid change.



Who We Are

The Koshi Basin Initiative aims to contribute to inclusive development, poverty reduction and enhanced resilience to climate change through supporting evidence-based decision making and promoting regional cooperation. The initiative is one of six in the River Basins and Cryosphere Programme at ICIMOD.



What We Do



Support evidence-based policy interventions to create integrated, innovative, equitable, inclusive, and effective responses to manage river basin ecosystems and reduce poverty.



Contribute to developing an enabling environment and strengthen regional cooperation for policy- and decision-makers.



Develop and test actionable and appropriate adaptation pilots and livelihood strategies to address the increasing impacts of climate change on ecosystem goods and services at local, national, and regional scales.

What's Our Focus

- Create and apply critical new knowledge on water resource development.
- Better understand climate change impacts on hydrology and water infrastructure development and explore adaptation opportunities.
- Generate and promote relevant knowledge for incentivizing ecosystem services for water sector investment.
- Generate knowledge that enhances understanding about the water-energy-food nexus, inter-linkages and interdependencies among the three sectors, and trade-offs and synergies.
- Better understand groundwater, spring, and energy nexus and develop solutions for their sustainability.
- Create an enabling environment for building the adaptive capacities of particularly vulnerable groups.
- Strengthen mechanisms for regional cooperation to improve water resource management and reduce water induced disaster risk.

How You Can Contribute



Scan
Here

Koshi Basin Information System

The initiative has been collating information on key themes of climate change, water resources, land resources, socioeconomics, and the environment. This has been fed into the web-based information system for systematic storage, retrieval, exchange, and analysis. Scan the code to visit the KBIS, and share your own data.

Gender Portal

The gender portal (currently under development) is a platform which contains information on good practices that integrate gender and social inclusion in water resource management and water related disaster. It also contains sex disaggregated data and water, food and energy focused gender literature to address paucity of such data in the region. Share your experience on good practices through the portal.

Disaster Risk Reduction Knowledge Hub

A platform for practitioners, researchers, and policy makers to share knowledge and information on transboundary issues and identify areas for regional cooperation. It is also meant to facilitate synergy between stakeholders to develop collaborative activities and projects that improve decision making for Koshi Basin management.

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