Title of case study	**Designing and implementing an adaptation program to support ecosystem services**
Name of organization(s)	**EEAB (Bogotá Water and Sewage Company)**
Business sector	Water Management
Region(s) relevant to case study	☐ All regions ☐ Africa and the Arab States ☐ Asia and the Pacific ☐ Caribbean and Central America ☐ Europe ☐ Least Developed Countries ☐ North America ☐ Polar regions ☐ Small Island Developing States ☒ South America
Country(s) relevant to case study	Colombia
Adaptation sector(s) relevant to case study	☐ Business ☐ Education and training ☐ Food security, agriculture, forestry and fisheries ☐ Human health ☐ Oceans and coastal areas ☐ Science, assessment, monitoring and early warning ☒ Terrestrial ecosystems ☐ Tourism ☐ Transport, infrastructure and human settlements ☒ Water resources ☐ Other (please specify):
Adaptation activity	Colombia faces multiple climate change mediated threats on both human and ecosystem services. Of these, the Páramos (high mountain ecosystems), coastal and marine ecosystems, and human health are critically vulnerable to the effects of climate change. High Andean ecosystems are expected to be seriously affected by increases in temperature and decreases in rainfall. The Bogotá Water and Sewage Company (EEAB) is a partner of Conservation International's Integrated National Adaptation Project (INAP), which has the objective of improving Colombia's understanding and

	assessment of impacts, vulnerability, and adaptation to climate change, climate variation, and extremes by supporting efforts to define and implement specific pilot adaptation measures and policy options to address anticipated climate impacts. The INAP takes an ecosystem-based approach (EbA) to adaptation to address climate change impacts that includes community-based initiatives and integrates the use of biodiversity and ecosystem services. It provides guidance in the development of pilot projects aiming to reduce human and environmental vulnerability to climate change, with specific regards to Páramos ecosystems, coastal marine ecosystems and human health. By engaging both local communities and governments through the INAP development process, Conservation International and its partners support capacity building in organizing resource management and conservation strategies aiming to increase the resilience of ecosystems and the services they provide. These services support sustainable food, water, and health and income security for millions of people in and around Bogota, Colombia, as well as the vulnerable communities of the Páramos and coastal regions. The INAP consists of 4 components: communicating weather and climate forecasts to decision makers; designing and implementing an adaptation program that supports ecosystem services in Chingaza; designing and implementing an adaptation program that supports Colombian Caribbean insular areas; and responses to the increased exposure to tropical vector-borne diseases induced by climate change. EEAB is specifically involved with the Chingaza adaptation program in the Rio Blanco Watershed, where over 200 vegetation restoration processes have been implemented. These projects depend on traditional knowledge in selecting native plants to be re-cultivated in areas of sparse vegetation and high forest fragmentation. Furthermore, the land use plans of several local municipalities were updated to include adaptation measures such as land restoration and sustainable and adaptive farming practices (tree fences, diversification, soil and water conservation practices, and wildfire protection).
Cost-benefit	As EEAB relies heavily on a readily available water supply as critical to its business operations, its involvement in the protection of the Rio Blanco Watershed is strategically very important and furthermore

	results from a water provision cost-benefit analysis undertaken by the company. As water provision is the main ecosystem service provided by the Chingaza National Park, EEAB will continue to stay involved in the INAP project going into its Second Phase.
Case study source(s)	Integrated National Adaptation Project (Conservation International)
CLICK FOR MORE INFO	

Río Bogotá
Source: http://www.acueducto.com.co/