



Proposed Major Projects	Outline of Project Components	Investment Cost and Beneficiaries
1. Water Resources and Use Management		
1) Irrigation	<ul style="list-style-type: none"> Improvement of irrigation facilities. Introduction of optimum operation of Hato Dam. 	<ul style="list-style-type: none"> Beneficial area: 6,971 ha 15,049.0 million Col\$ (7.84 million US\$)
2) Drainage	<ul style="list-style-type: none"> Clearance of Suarez River Channel Introduction of optimum operation of Fuquene Lake 	<ul style="list-style-type: none"> Beneficial area: 170 ha around the Lake
3) Municipal Water Supply	<ul style="list-style-type: none"> Improvement of Water Supply System of Chuquiquira 	<ul style="list-style-type: none"> Beneficial population: 45,500 780.1million Col\$ (0.41 million US\$)
2. Wastewater Treatment		
1) Sewerage	<ul style="list-style-type: none"> Improvement of 14 sewerage treatment plants in 13 municipalities. 	<ul style="list-style-type: none"> Service population: 95,000 7,561.0 million Col\$ (3.94 million US\$)
2) Industry	<ul style="list-style-type: none"> Improvement of slaughterhouse and factory wastewater treatment plants. 	<ul style="list-style-type: none"> Beneficiaries : 2 Slaughterhouses and 42 Factories 231.0 million Col\$ (0.12 million US\$)
3. Aquatic Plants Control		
1) Dredging of the Lake	<ul style="list-style-type: none"> Dredging of lakebed in front zone of Bulrush to stop expansion of Bulrush toward the lake center. 	<ul style="list-style-type: none"> 17,196.1 million Col\$ (8.96 million US\$)
2) Harvesting/Removal and Composting of Aquatic Plants	<ul style="list-style-type: none"> Harvesting of Brazilian Elodea and removal of Water Hyacinth. Composting of Elodea and Water Hyacinth. Marketing of compost in the metropolitan area of Bogota. 	<ul style="list-style-type: none"> 11,688.2 million Col\$ (6.09 million US\$)
3) Grass Carp	<ul style="list-style-type: none"> Release of grass carp fingerlings. Installation of fish barrier. 	<ul style="list-style-type: none"> 2,054.0 million Col\$ (1.07 million US\$)
4. Monitoring System		
1) Meteorological and Hydrological Monitoring	<ul style="list-style-type: none"> Installation of a new gauging station. 	<ul style="list-style-type: none"> 3.6million Col\$ (1,900 US\$)
2) Water Quality	<ul style="list-style-type: none"> Improvement of water quality monitoring system. Improvement of laboratory. 	<ul style="list-style-type: none"> 1,419.4 million Col\$ (0.74 million US\$)
3) Aquatic Plant Control of the Lake	<ul style="list-style-type: none"> Survey of aquatic plants area. Survey of fauna and flora species. Survey of Bulrush frontline and bed level in the dredged lake zone. Measurement of growth and consumption rates of grass carp. 	
4) Geographic Information System (GIS)	<ul style="list-style-type: none"> Application of GIS for Fuquene Lake basin management. 	
5. Promotion of Environmental Education	<ul style="list-style-type: none"> Implementation of an education program for 4 objective levels: (1) Schools; (2) Farmers and Users of the Water District; (3) Dairy Factory Owners; (4)General Public 	<ul style="list-style-type: none"> 65.7 million Col\$ (0.03 million US\$)

OUTLINE OF THE PROPOSED PROJECT