



## PERU

# PROCUREMENT AND INSTALLATION OF PLUVIOMETRIC MONITORING NETWORK IN THE RÍO MARIÑO WATERSHED

<b>Client</b>	Regional Government of Apurímac	<b>Scope of Services</b>
<b>Financing</b>	KfW Development Bank	
<b>Duration of Services</b>	08/2005 - 10/2005	
<b>Project Value</b>	18 500 Euro	
		<ul style="list-style-type: none"> <li>• Assessment of rainfall stations located within and in the surroundings of the Mariño catchment</li> <li>• On-site identification of additional monitoring sites</li> <li>• Set up of recommendations and requirements for monitoring equipment to be installed at new sites</li> <li>• Procurement and implementation of new monitoring equipment</li> <li>• Training of station observers</li> <li>• Recommendations for operation and maintenance of stations, incl. procedures for data handling</li> <li>• Follow up site inspections</li> </ul>

### Brief Project Description

Together with the Regional Government of Apurímac and the Abancay Province KfW supports an open programme for the integrated management of the Mariño watershed which is located in the Abancay Province of the Apurímac Region. The programme's main objective is the improvement of the actual socio-economic situation based on a more sustainable management of natural resources.

It is in the interest of the water users to improve water harvesting and storage facilities, e.g. on field, by means of individual or communal reservoirs, within the irrigation systems or upstream in the catchments. In this context the availability of actual and site specific pluviometric and hydrometric information is of utmost importance. At the beginning of the Programme there was only the monitoring station of Abancay which clearly not satisfy the hydrological information needs.

The requested implementation of small size storage systems (small dams) requires sound and thorough hydrological and water resources analyses which imply and extension and densification of the hydrometeorologic network. For the necessary network design the pluviometric monitoring posts located within the Andahuaylas – Chincheros Subregion have been assessed.

Finally four additional rainfall stations have been proposed, this under the constraints of accessibility, data handling, as well as under the important aspect of availability of financial resources to operated and maintain the station.