WEB GIS PROTOTYPE
FOR INTERNATIONAL COOPERATION PROJECTS
SUPPORTING THE REDUCTION
OF THE VULNERABILITY TO THE FLOODING RISK

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Abstract
The goal of this work is to increase the use of the GIS (Geografic Information System) in
developing countries that are lacking economic resources and technical skills. In these areas, GIS
would be very useful for geospatial data management and analysis, graphics/maps production,
spatial modelling and visualisation in help the management of the territory.
This work follows a project to reduce the vulnerability of flood risk in some areas affected by “El
Niño”.
The project was financed by ECHO (European Community Humanitarian Office) for the Andean
Region, and was carried out in Ecuador (Baba and Vinces Cantons) by COOPI (Cooperazione
Internazionale) NGO, which developed risk maps of the intervention area and made them public.
Web GIS is proposed to be a tool for the diffusion of geographic information that is gathered.
At present, a demonstrative version has been implemented to raise funds in order to support both
the customisation of the web GIS for a specific application, and training activities that would aim to
transfer the know-how to developing countries for the autonomous development of web GIS using
OpenSource and freeware technologies.