



Studies and environmental modeling

Recovery plan for the Lake Ypacarai Paraguay

CLIENT	BID - Inter-American Development Bank
PERIOD	2015-2016
BUDGET	900.000 USD
PROPORTION CARRIED OUT BY THETIS	270.000 USD (30%)
COUNTRY	Paraguay

Thetis, in Joint Venture with Betastudio srl (Padua) had awarded by Banco Interamericano de Desarrollo (BID) the contract to prepare the Recovery Plan of Lake Ypacarai, one of the main tourist resources and historical – cultural icon of Paraguay. The lake suffers from severe eutrophication problems that prevent touristic use, generate health problems and threaten the social environment and the ancillary economy.

Objectives of the Plan are:

- Data and projects available deep analysis, monitoring campaigns and definition of the current state of health of the environmental system.
- Modeling of hydrodynamic and water quality of the lake and its drainage basin dealing with various scenarios of climate change; the outputs of the modeling will be used for the selection and the definition of remediation priorities.
- Cost-benefit analysis of interventions, evaluated through a participatory process of involving citizens and local stakeholders.
- Develop a plan of remediation for a short, medium and long term perspective (30 years) and develop advanced preliminary design of the urgent interventions. The estimated budget is up to \$ 50 million for.
- Activation of the communication system for the involvement of stakeholders and citizens.



knowledge
for a better
environment