

Deliverable 3.4

Results of the data campaigns in Bahía Blanca

ecomanager
INTEGRATED ECOLOGICAL COASTAL
ZONE MANAGEMENT SYSTEM



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The application of MOHID within Bahía Blanca estuary during the development of ECOMANAGE project has not required the carrying out of new campaigns. This was basically so because a long-time series of data on different estuarine parameters existed on the Instituto Argentino de Oceanografía (IADO) from Bahía Blanca. This data base includes information on physical (i.e. currents, tides, waves, etc), meteorological (i.e. air temperature, humidity, winds, precipitations, etc), geological (i.e., type of sediments, granulometry, texture, etc), chemical (i.e. water temperature, conductivity/salinity, pH, dissolved oxygen, inorganic nutrients, organic matter, photosynthetic pigments, inorganic and organic pollutants, etc), and biological (i.e. phytoplankton, zooplankton, hallophytes, fishes, etc) aspects. Most of these data were adequate as to be applied to the different modules within MOHID. These data were generated in the framework of IADO's research projects, which have different frequencies and sampling areas, but all of them are included within the study area of ECOMANAGE one. The information related with IADO's projects (i.e. historical development, frequency of sampling, financial support, research team, etc) is available on the Institute's web page (<http://www.iado.criba.edu.ar>).

In addition, several specific field works (as a kind of short campaigns) were carried out, most of them directed to validate remote information applied to this project (i.e. information provided by satellite images, or by global web data bases) as well as to check processes identified through the model's outputs. The results from this field works are available through the responsible researchers at each area from IADO participating within ECOMANAGE project:

- Physical and Geological areas : Dr Gerardo Perillo (perillo@criba.edu.ar)
- Meteorological area : Dra María Cintia Piccolo (piccolo@criba.edu.ar)
- Chemical area : Dr Jorge Marcovecchio (jorgemar@criba.edu.ar)
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The obtained results have been (and at present are being) applied to different modules within MOHID, with a reasonable percentage of successful matches.