Catalonia, northeast region of Iberian Peninsula, situated at the western Mediterranean coast between the Gulf of Lion and Ebro’s Delta. Catalan coastal zone extends 200 miles into the sea. Nearby Mediterranean extent is been taking into account as well.


The project has been designed with two levels of privacy:
- GIS for the internal DGPAM use
- The external GIS consisting on different ways of data distribution and accessible to everyone.

Information organised in several modules

Technical Developments

Any area drawn on Mercator projection differ in a certain measure, from the real area of the ellipsoid depending on the reference parallel and the scale of work.

Choosing a specific parallel for each zone one can get very good adjustments between the projection area and the ellipsoid for that zone. So a different reference parallel is needed for each nautical chart.

As each chart has a specific projection system they cannot be mixed up and combined automatically, which may represent an inconvenience in larger areas unless one uses a general parallel that fits more or less well in the zone of interest.

Rigorous transformation from GPS coordinate to any map projection and datum in real time.

Free cartographic distribution using SIGPesca Map Browser:
- Works under OGC international standards of interoperability - WMS, WFS, etc.
- Follows Directive INSPIRE and SDI's specifications.
- Uses information from other entities.
- Available at http://www10.gencat.net/darp_dgpi/index.htm