

Atlas marino costero del Pacífico Sudeste CPPS/SPINCAM (Southeast Pacific marine and coastal Atlas CPPS/SPINCAM) Summary



URL: <http://190.95.249.246/geoportal/geovisor/index.html> (currently)
<http://geoportalspincam.net> (soon)

Purpose of application

The Atlas has been created in the framework of the Southeast Pacific Data and Information Network in Support to Integrated Coastal Area Management SPINCAM IOC/Flanders project. It was developed to support decision makers related to ICAN processes in Southeast Pacific countries (Chile, Colombia, Ecuador, Panama and Peru) by means of a graphic representation of five coastal indicators: MPA's, coastal population, pollution, fishing production and management tools. However, the atlas is evolving to integrate other regional programs coordinated by CPPS related with biodiversity and in the future o other marine resources.

Geographic extent

The Pacific coastal area of Chile, Colombia, Ecuador, Panama and Peru.

Target audience

State agencies, local governments, federal agencies, researchers, consultants, and interested citizens.

Data included (general categories)

Number of data sets: 15 layers and around 17,000 georeferenced data on biodiversity

Information on:

- Marine and coastal protected areas and basic information related with them.
- Population density of coastal municipalities
- Marine pollution in some punctual areas
- Geoferefenced data of sightings and strandings of cetaceans
- Georeferenced data of feeding and nesting sites of sea turtles
- Biological and life history information of sharks

Distinguishing features

Oblique aerial photos of the shoreline:

- None

Land cover changes over time

- No

Technology used (web GIS, server, database, content management system?)

- **WebGIS:** MAPSERVER + Javascript + open access base maps
- **Database:** POSTGRESQL

- **Server:** LINUX CENTOS 5

Atlas support (financial/institutional)

The CPPS/SPINCAM atlas has been produced and is maintained by the Permanent Commission for the South Pacific CPPS staff, in Guayaquil, Ecuador. The atlas is supported by CPPS and IOC/Flanders through the SPINCAM project, but once the project finalizes CPPS will assume the financing.

Challenges encountered

- Securing long term funding commitments
- Found trained personnel on marine issues
- Identify information needs from users
- Different levels of development among countries
- Diffusion/messages to develop ownership at regional level
- Constantly evolving web standards

Lessons learned

- Need a diffusion strategy
- Need to prepare personnel

Future directions (ongoing and future improvements?)

Planned improvements to the Atlas include:

- adding new data layers on oceanography, mangroves and coastal wetlands, and fishing
- updating the existing data layers.

Work on the Coastal Atlas is taking several new directions:

- As CPPS is a technical secretary of several regional programs, the atlas will become a tool to integrate different technical groups and audiences related with different coastal and marine issues.
- To be the atlas more descriptive with more information.