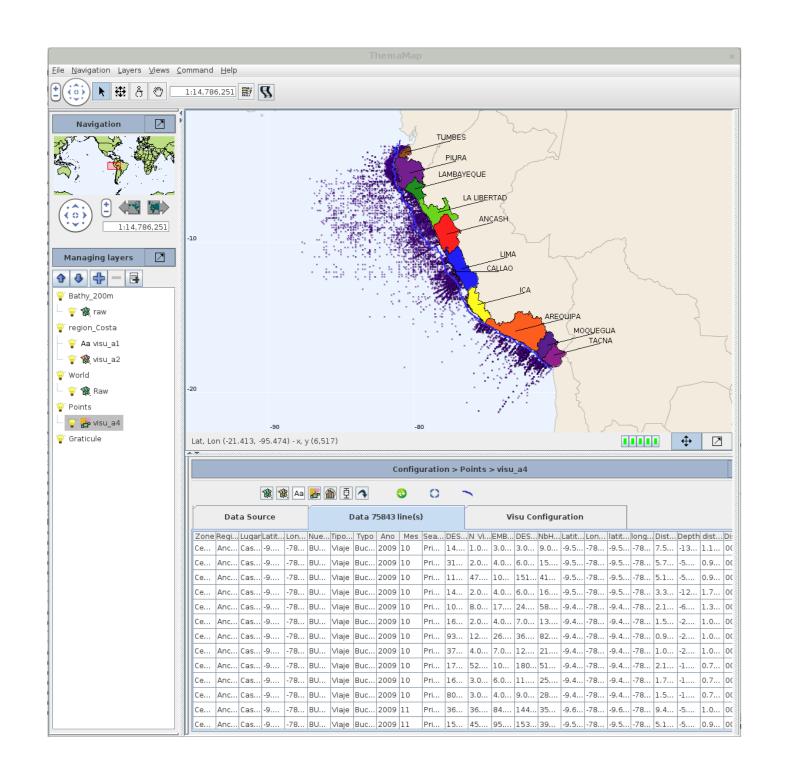
ThemaMap: from data to maps

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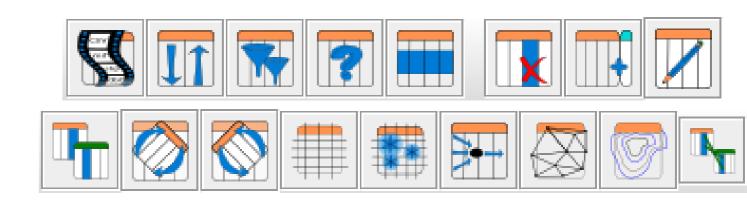
Caracteristics

- ThemaMap is an free open-source software developed in Java
- Based on OpenMap developed by BBN technologies
- Available as a standalone app or through the Web
- Thematic maps and online atlases production tool

All the data used to create the maps come from the IMARPE. The first sample comes from the IMARPE monitoring system on fishing activities and landings. The second one is a GPS trace of fishing boats routes.

Specificities

• Data Processing Tools



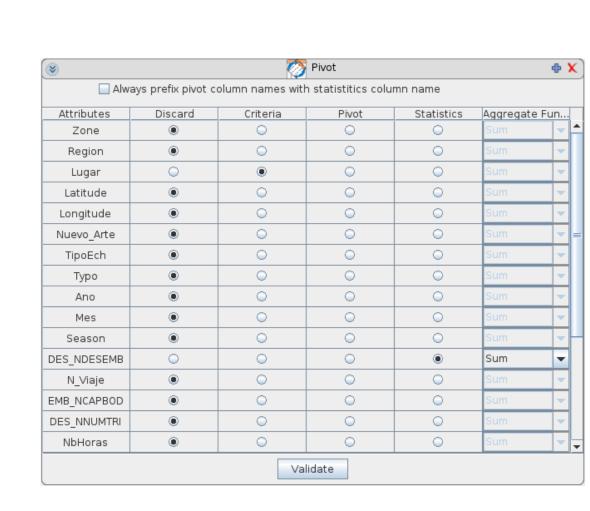
• Various representation modes independent from the data source



- Animations Multi dimensional data exploration
- Data export in CSV and GML
- Maps export as raster (PNG) and vectorial (SVG) images or KML
- Projects saved as properties, optionally with bundle data

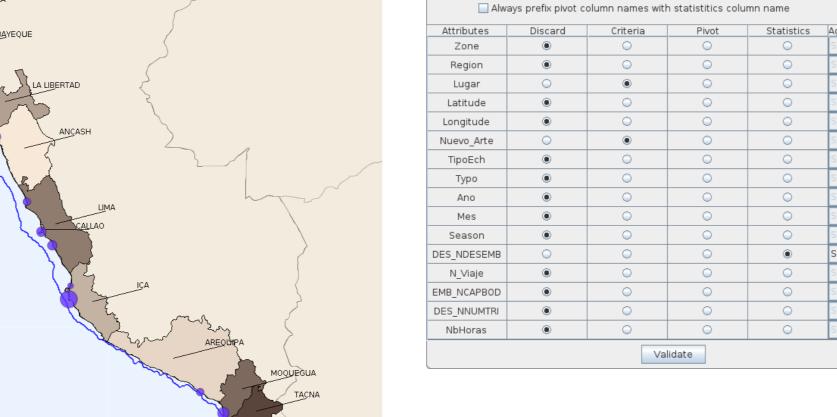
Pivot and Aggregation Tool

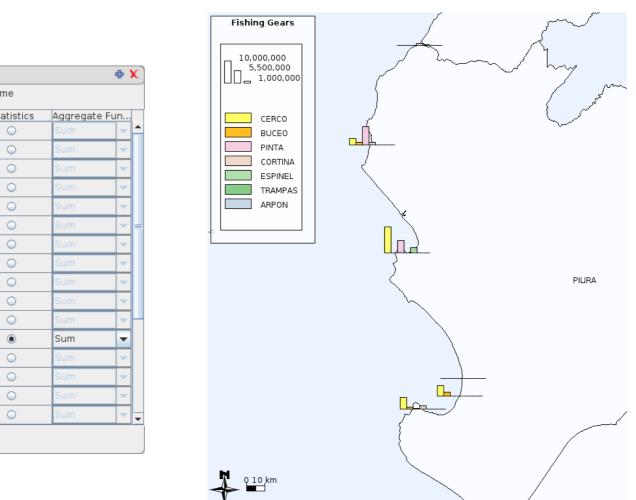
Pivot

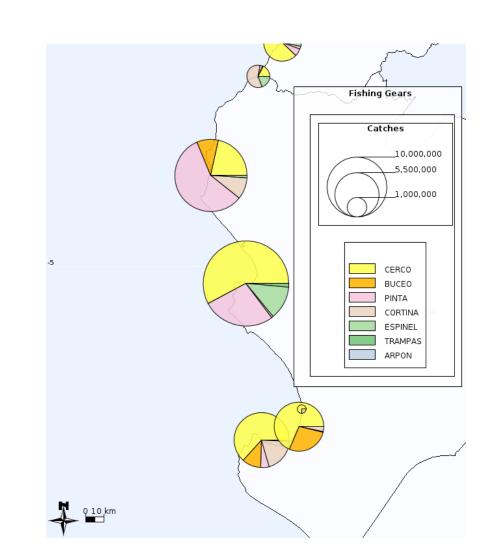




Landings per fishing sites

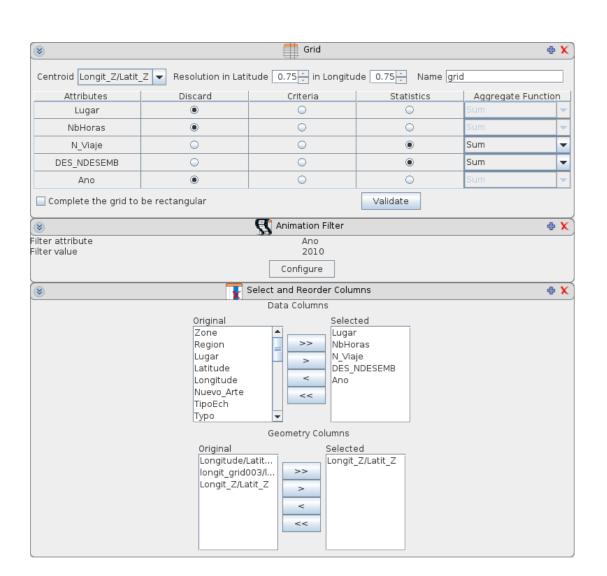


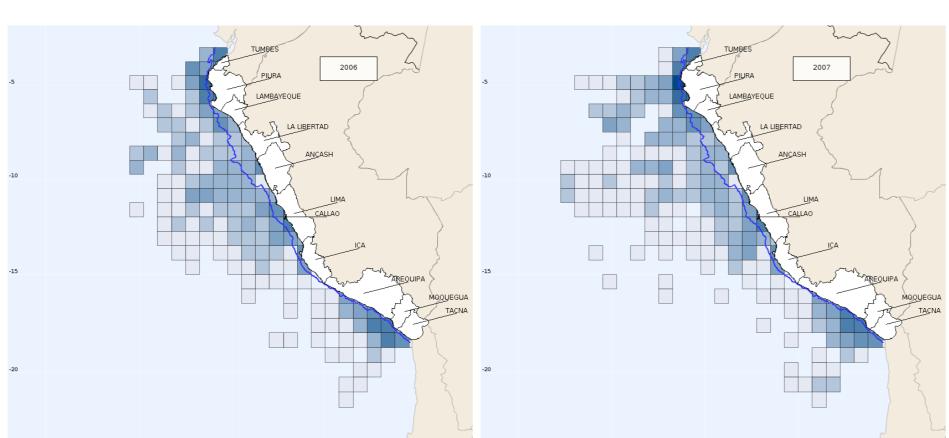


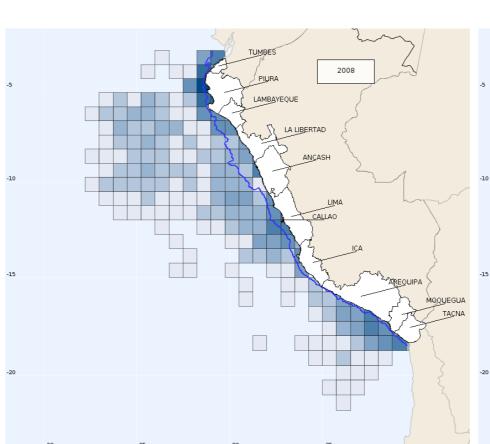


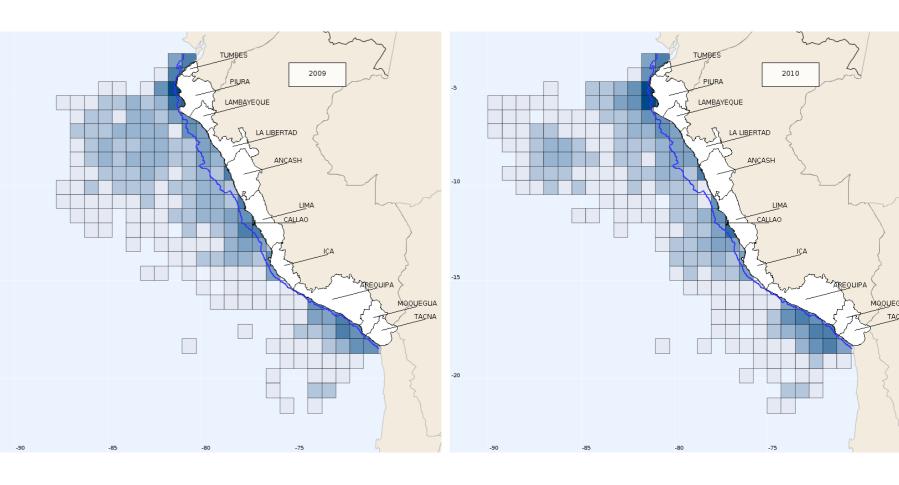
With fishing gears (Nuevo_Arte) selected as criteria, landings per fishing gears can be represented with histograms or pies, here for the Piura region

Grid Construction Tool — Animation Tool



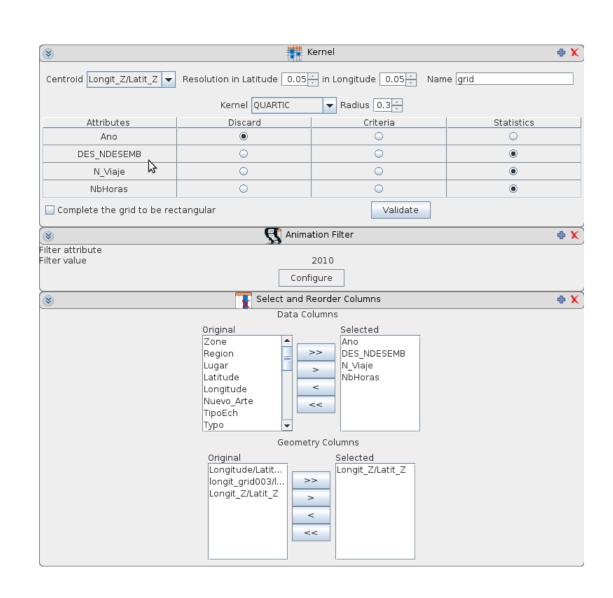


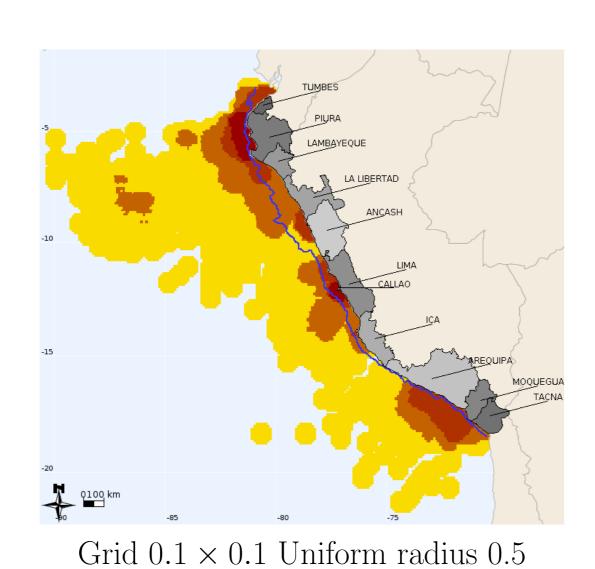


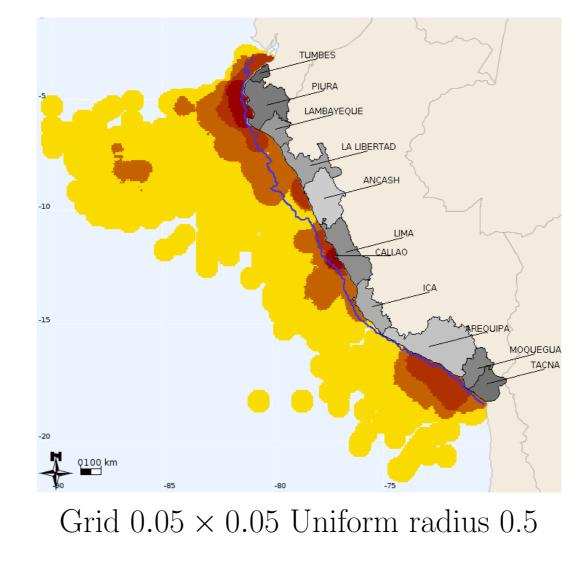


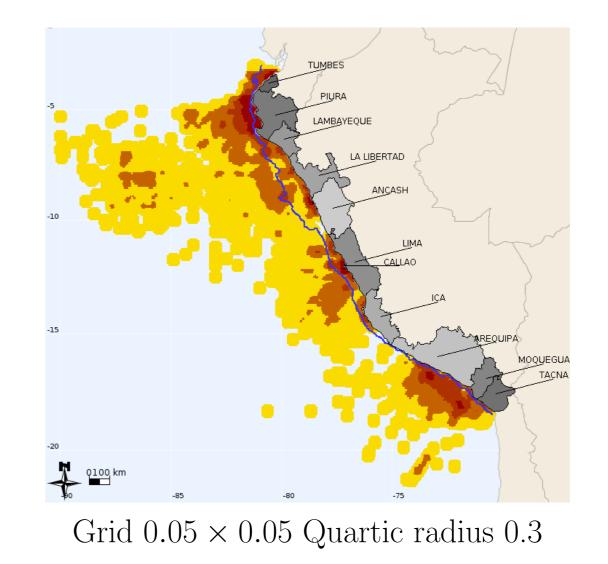
Catches per grid at the different years

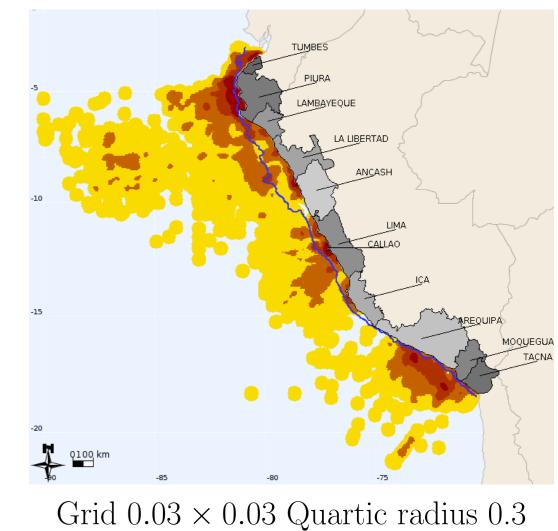
Kernel Smoothing Tool



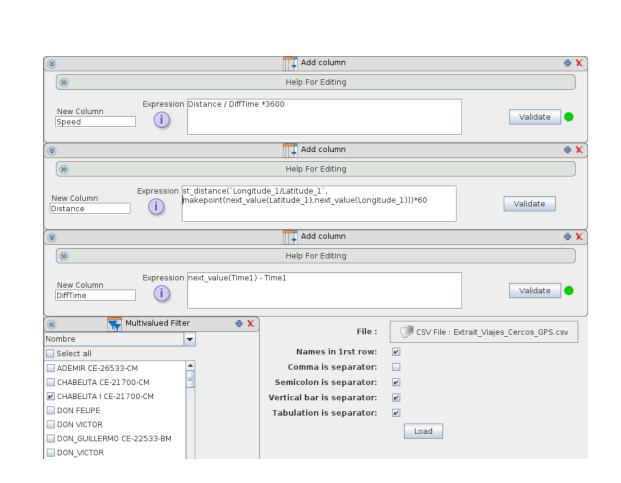


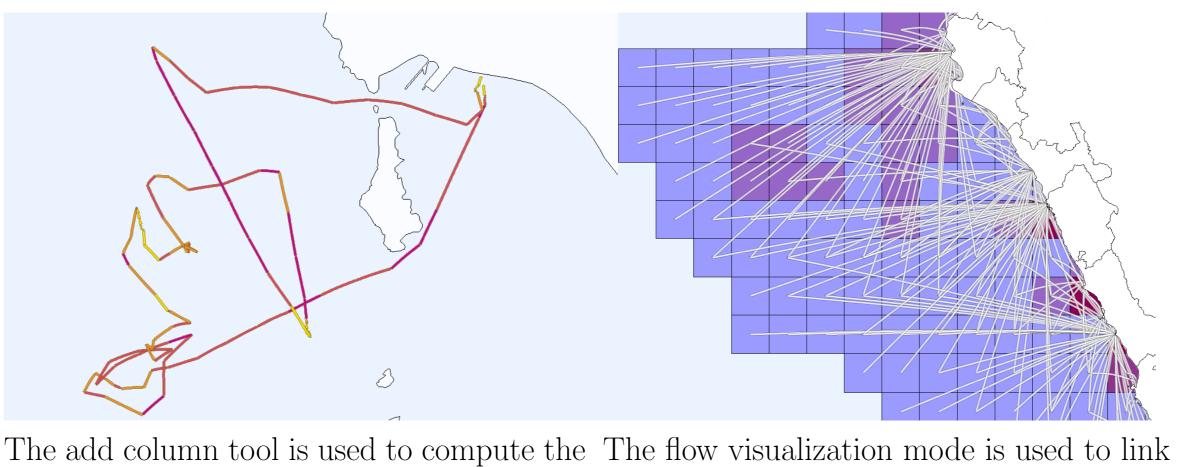




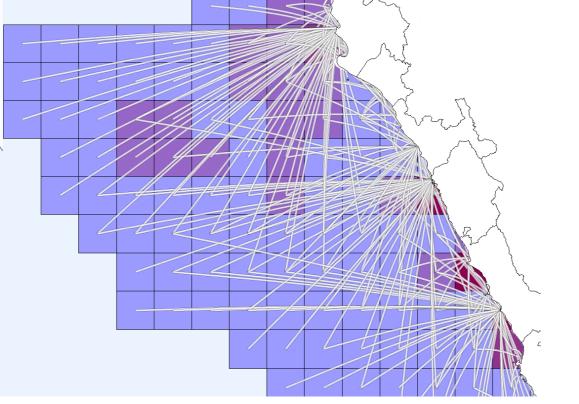


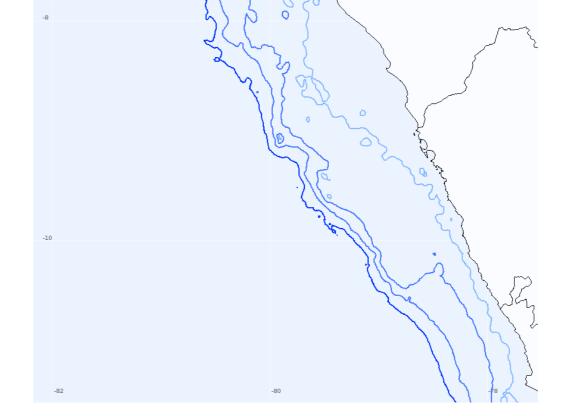
Add Column Tool — Route and Flow Visualization — Contours — Convex Hull

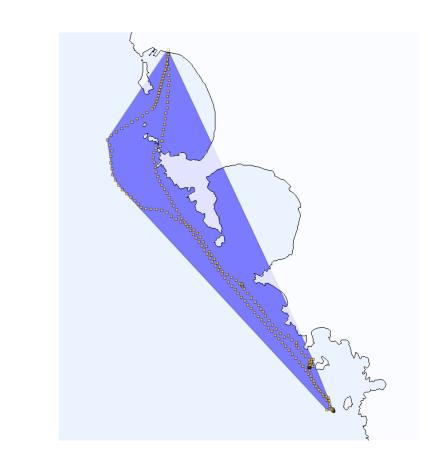




speed of the boat between 2 gps samples. fishing areas with the landing fishing sites







Bathymetry isolines computed with the Contour Tool from Etopo data

Convex Hull of a Fishing Boat Trip

















