



# Land cover and sea visibility in western Liguria. Using GIS to build coastal knowledge

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# Land cover and sea visibility in western Liguria

## Using GIS to build coastal knowledge

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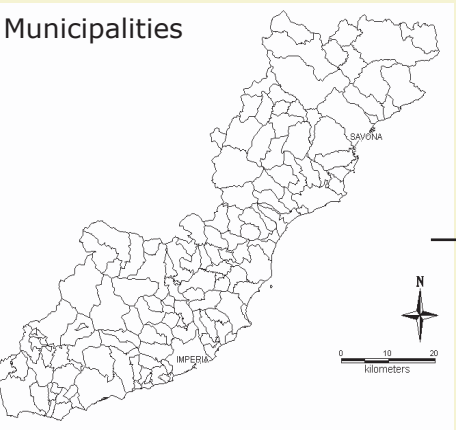
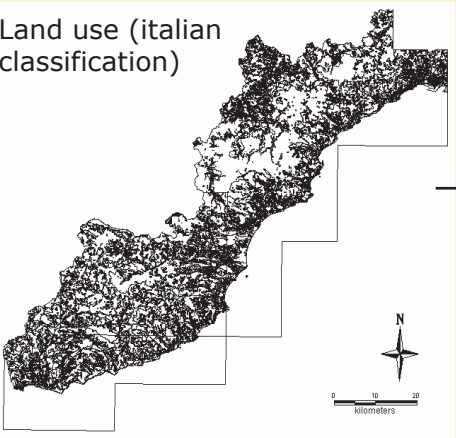
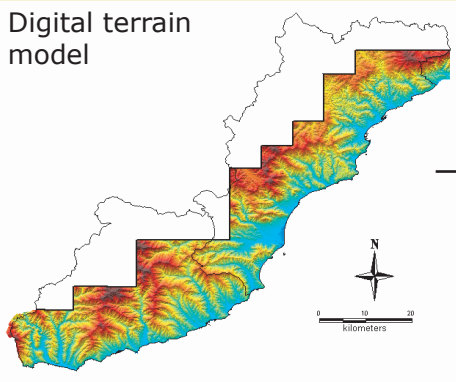
### 1) Does coastal land use depend on sea visibility?

- A 30-km-wide region between mountains and sea
- Population mainly concentrated near the coast
- A land use which evolved differently in coastal zones than in inland zones
- Landscape requalification : a stake for promoting tourism

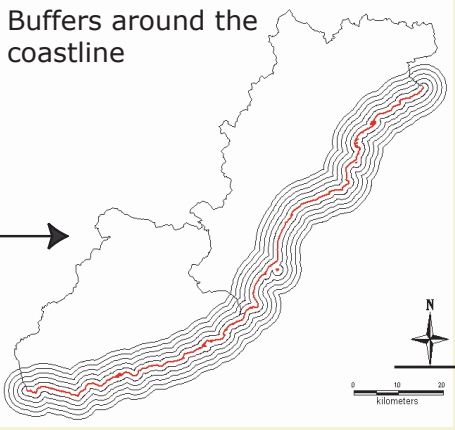
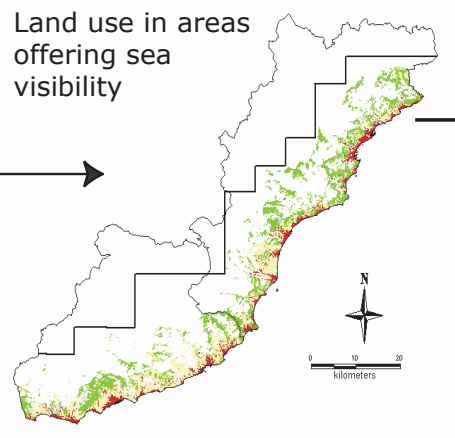
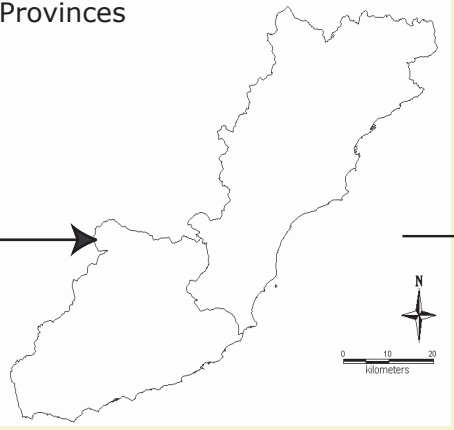
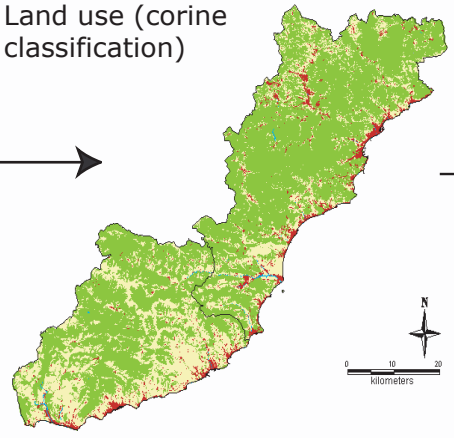
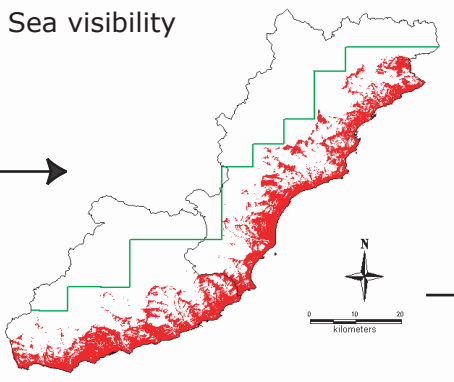


Use of a Geographical Information System in order to measure the impact of sea visibility on coastal land use

### Initial database

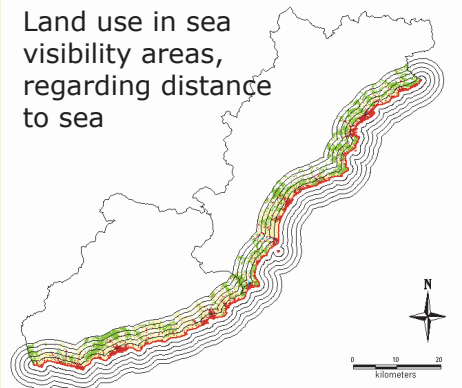


### 2) Data processing



### Geotreatments

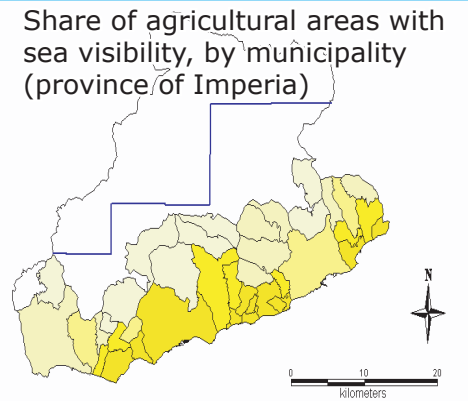
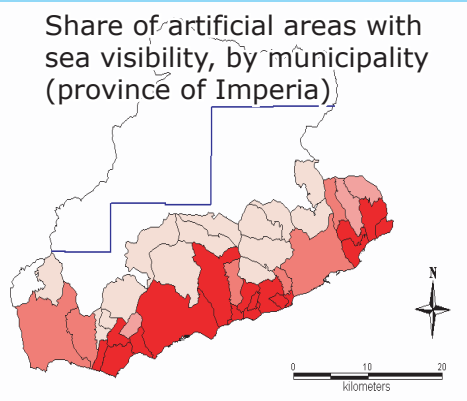
- From the initial database:
- New land use map created using corine land cover classification: allows comparison with other territories in Europe
  - Map of land use in sea visibility areas
  - Buffer analysis: parameter of distance from sea taken into account



### 3) Results

- Artificial and agricultural areas mostly in sea visibility zones in coastal municipalities
- Sea visibility effect on artificial areas shown in the first two kilometers

#### Cartographical outputs



#### Statistical outputs

