

Evaluation of the impact of floodings during the Gloria storm at the Tordera municipality

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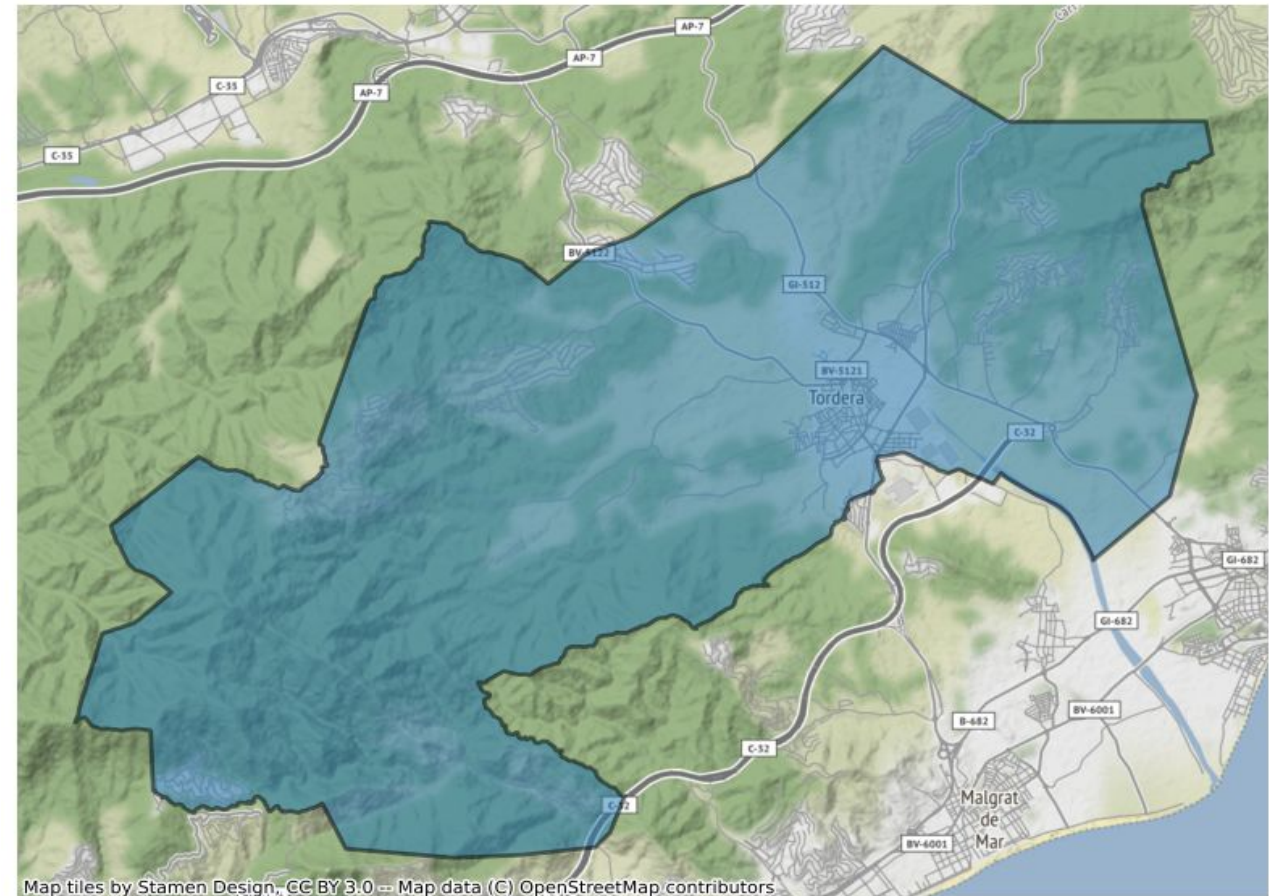
Context

The Gloria storm was a long-range extratropical cyclone that affected the Iberian Peninsula between January 15th and 25th in the 2020.

We are going to evaluate the impact of floodings during the Gloria storm in the municipality of Tordera, in the Maresme county.

We are going to calculate the following analytics:

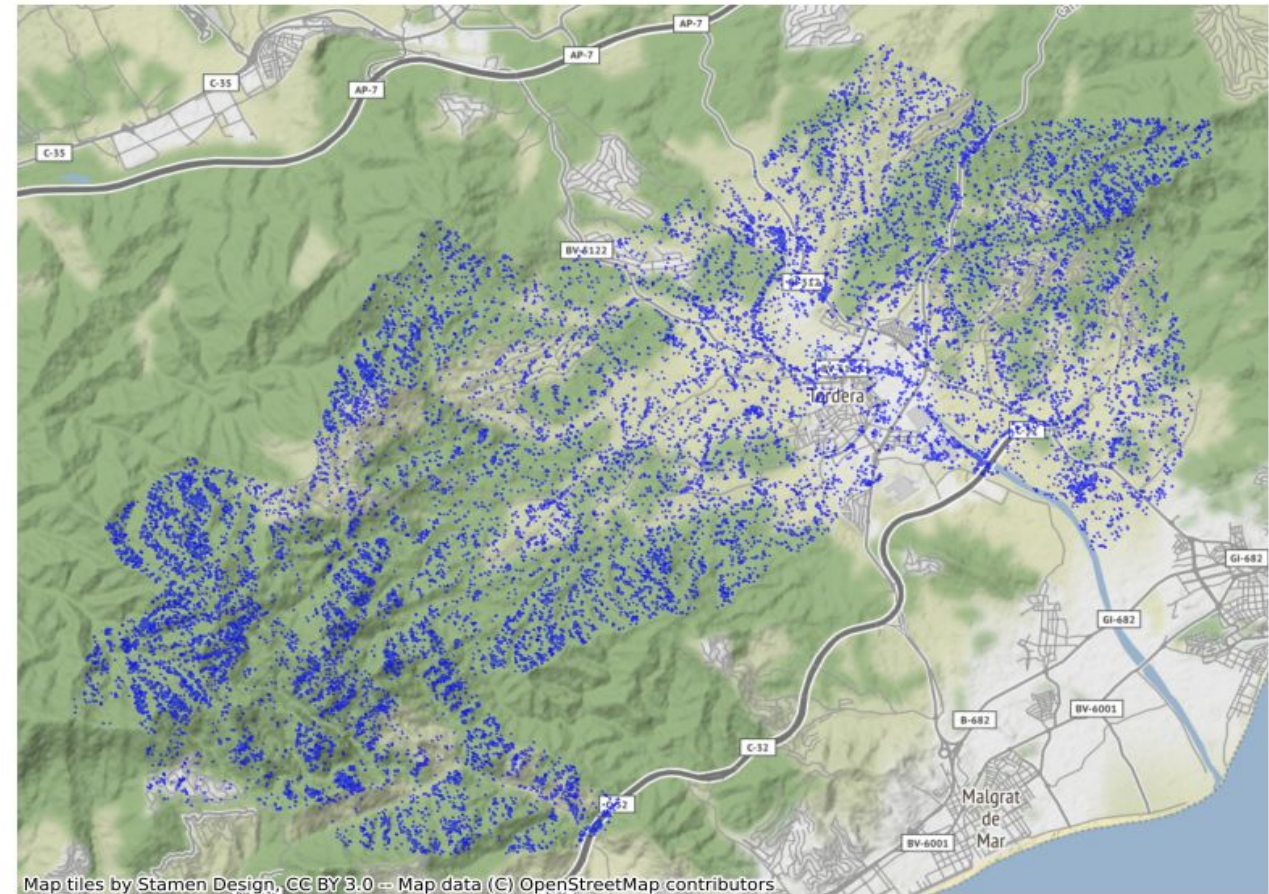
1. Number of square kilometers affected by the floodings.
2. The affected population.
3. The affected roads.



Municipality of Tordera, the chosen Area of Interest

Square kilometers affected by the floodings

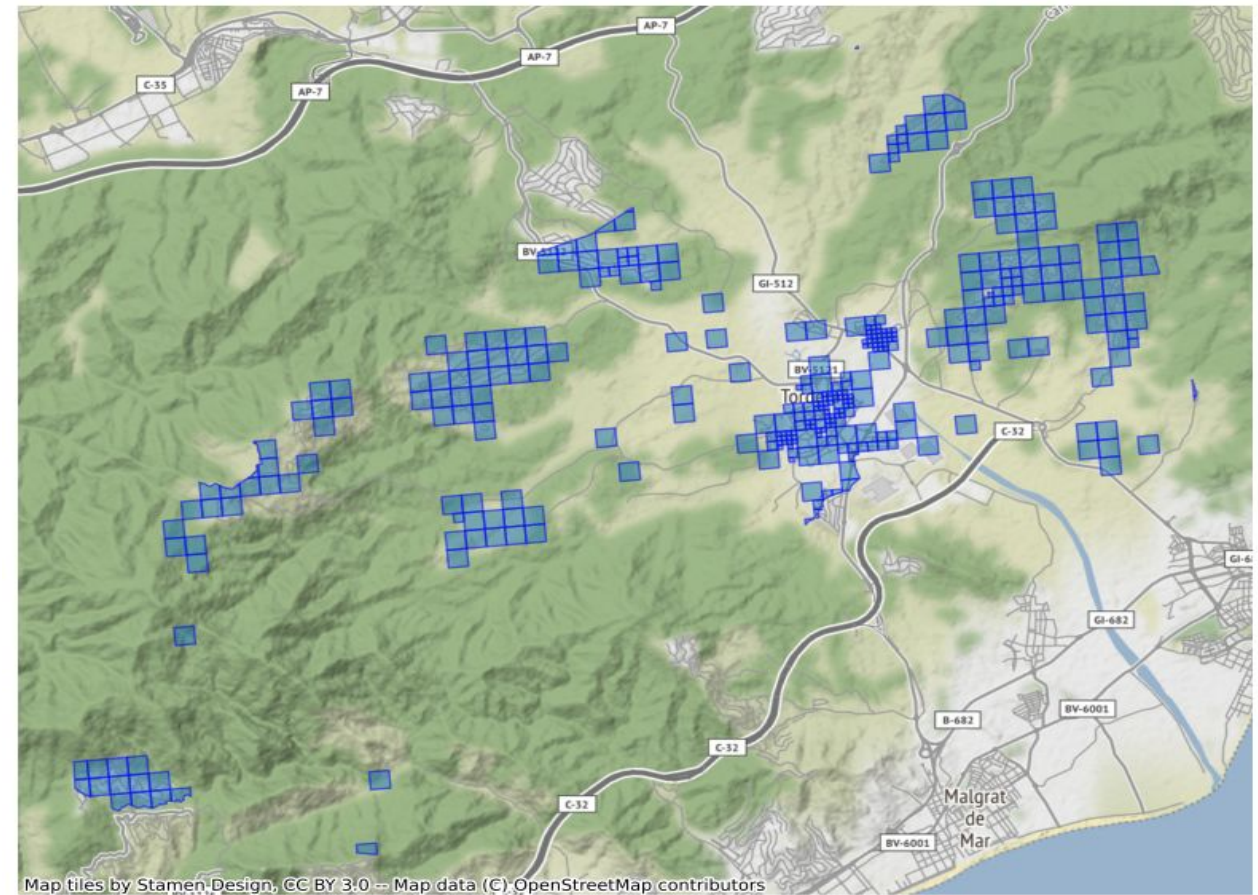
There have been affected by the floodings a total of 3,071 square kilometers.



Flooded areas in Tordera

Affected population

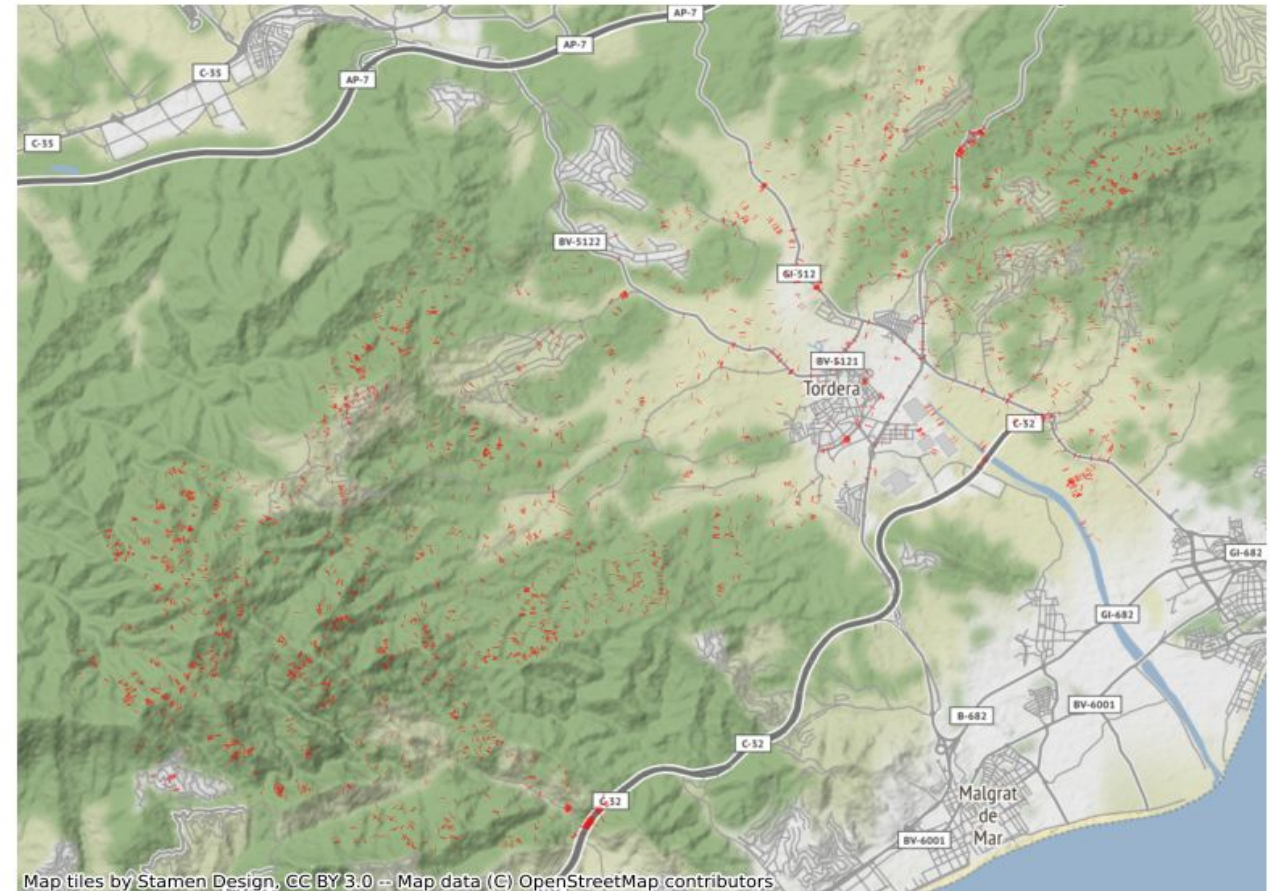
The population affected by the Gloria storm is 62.516 people.



Grid with the populated areas of Tordera affected by the floodings

Affected roads

There have been affected a total of 13.604 roads and 1,378 road kilometers.



Affected roads by the floodings in Tordera