

A satellite image of a coastal region, showing a mix of green land, blue water, and white clouds. A large white rectangular box is centered over the image, containing the title and author information.

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

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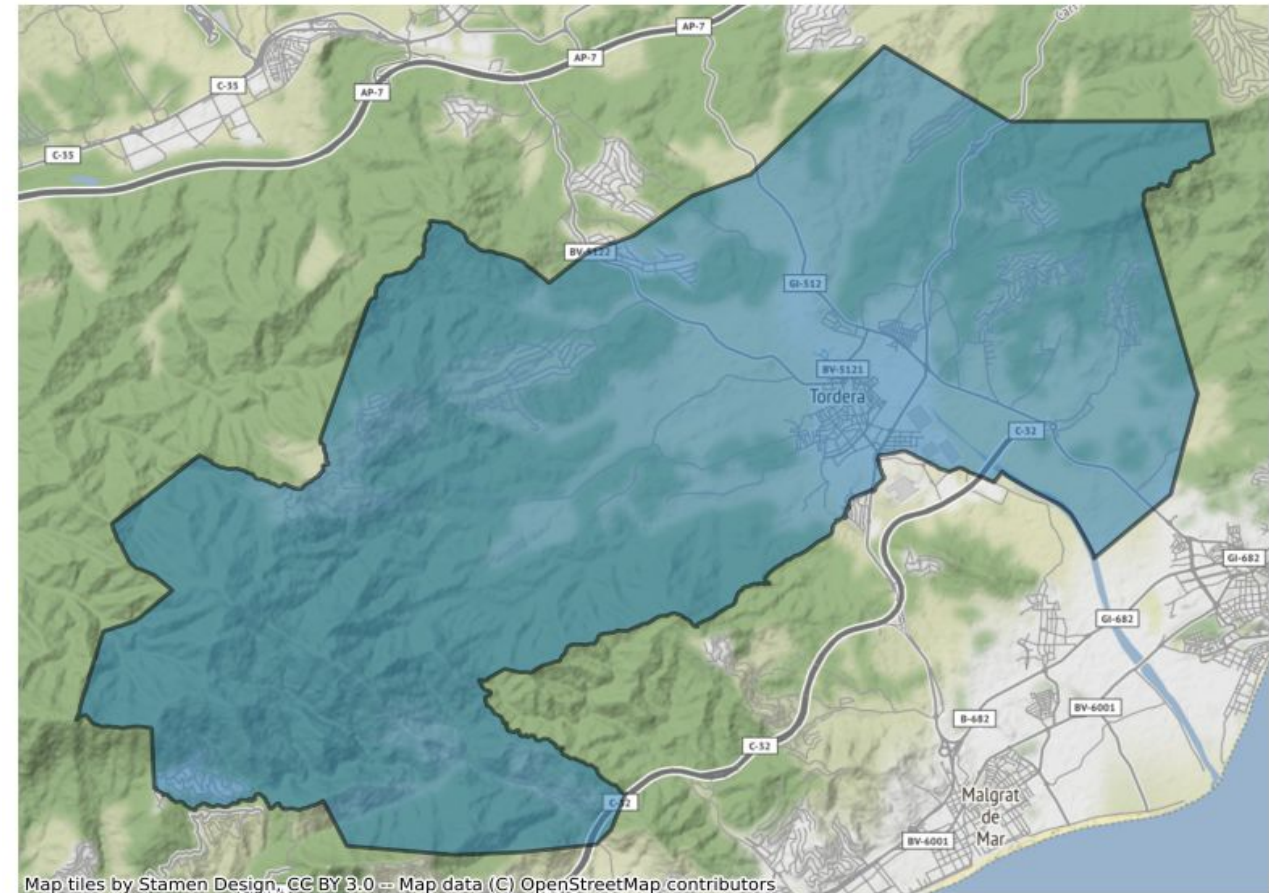
Context

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, on the **20th of January**.

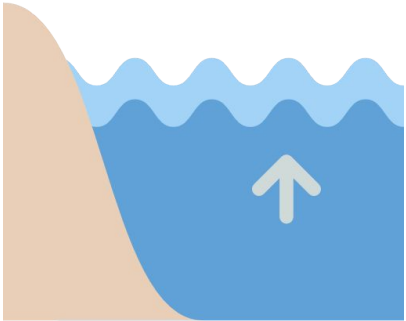
We are going to calculate the following analytics:

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

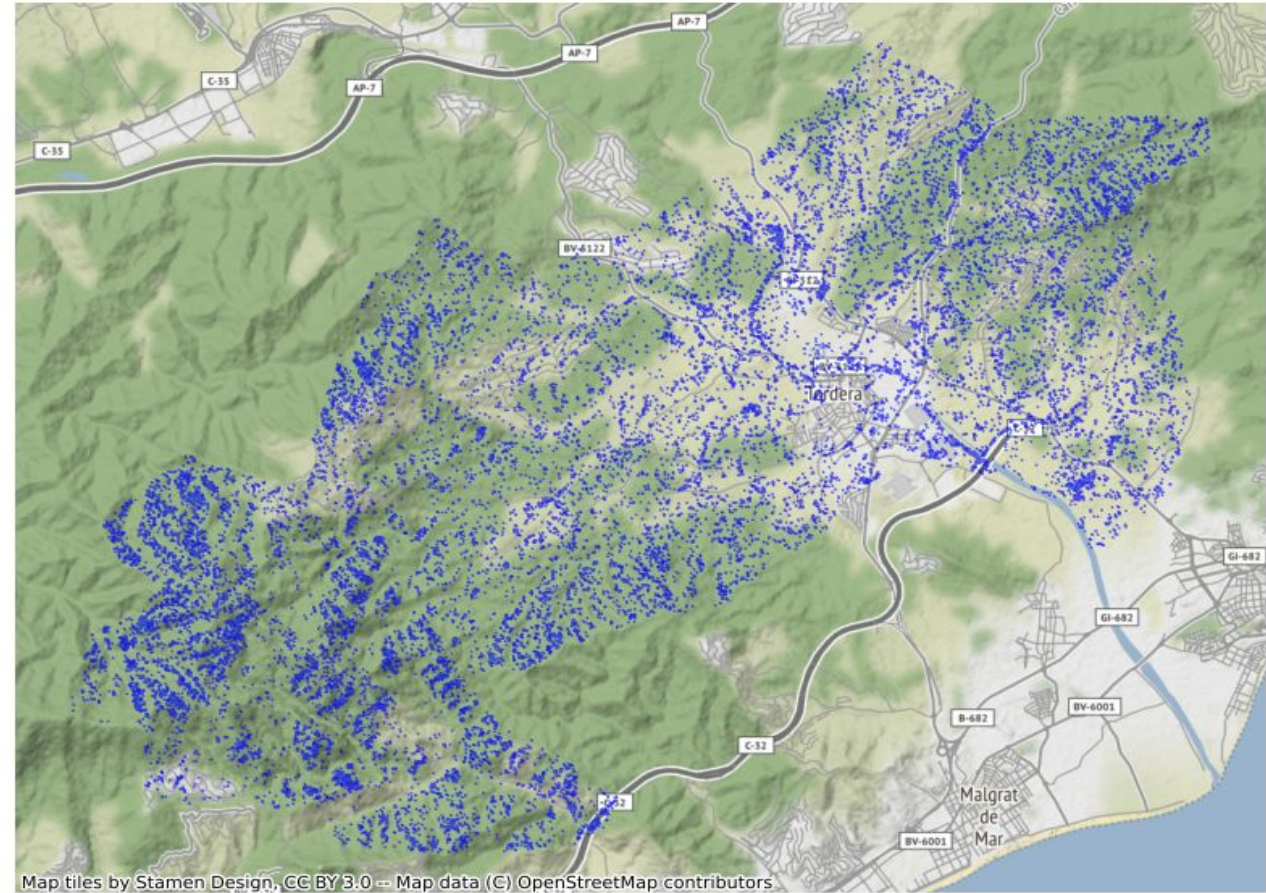


Municipality of Tordera, the chosen Area of Interest

Square kilometers affected by the floodings

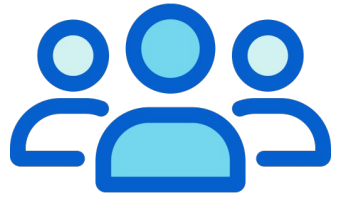


The number of square kilometers affected by the floodings is **3,08 square kilometers.**

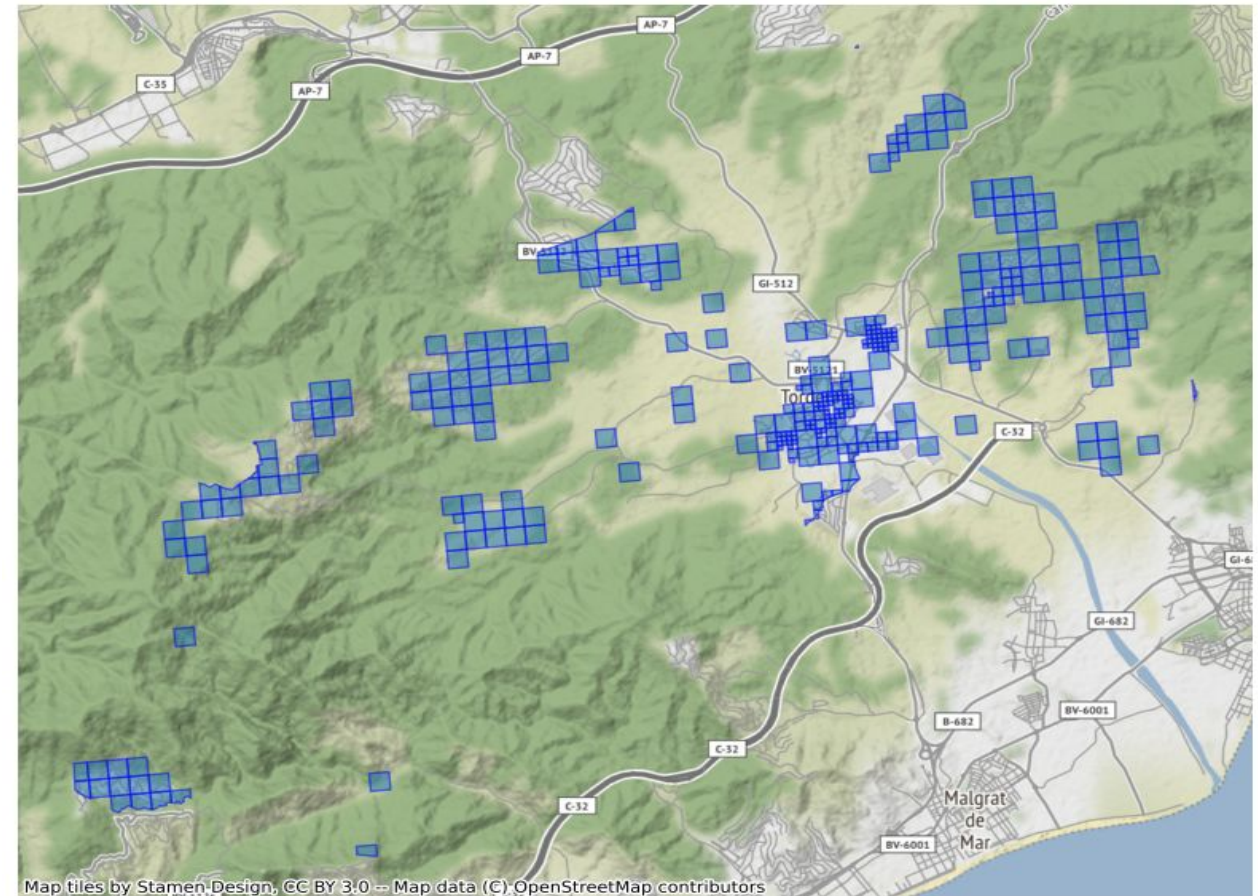


Flooded areas in Tordera

Affected population



The population affected by the Gloria storm is **62.516 people.**

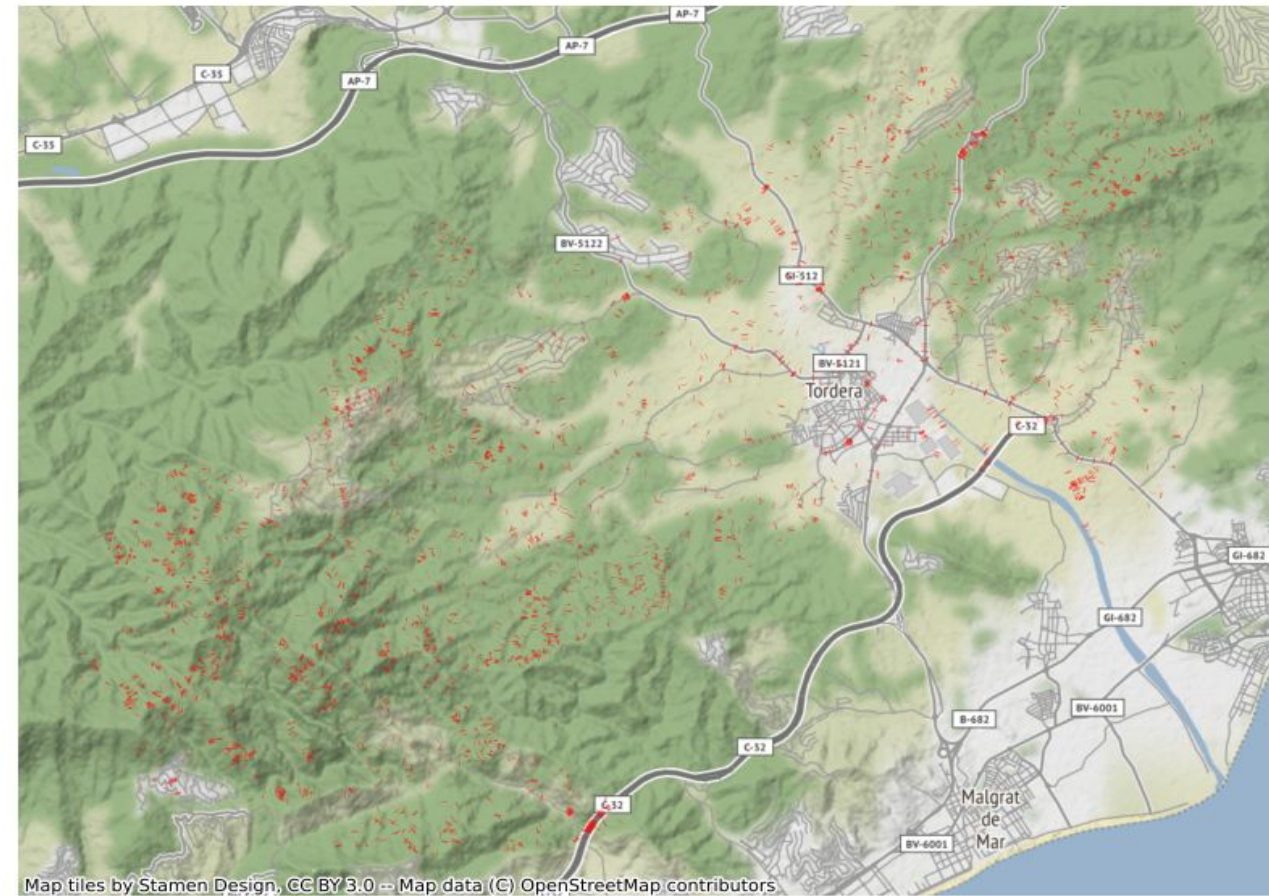


Grid with the populated areas of Tordera affected by the floodings

Affected roads



The number of affected roads is **13.604 roads**, with a total length of **1,38 road kilometers affected**.



Affected roads by the floodings in Tordera