

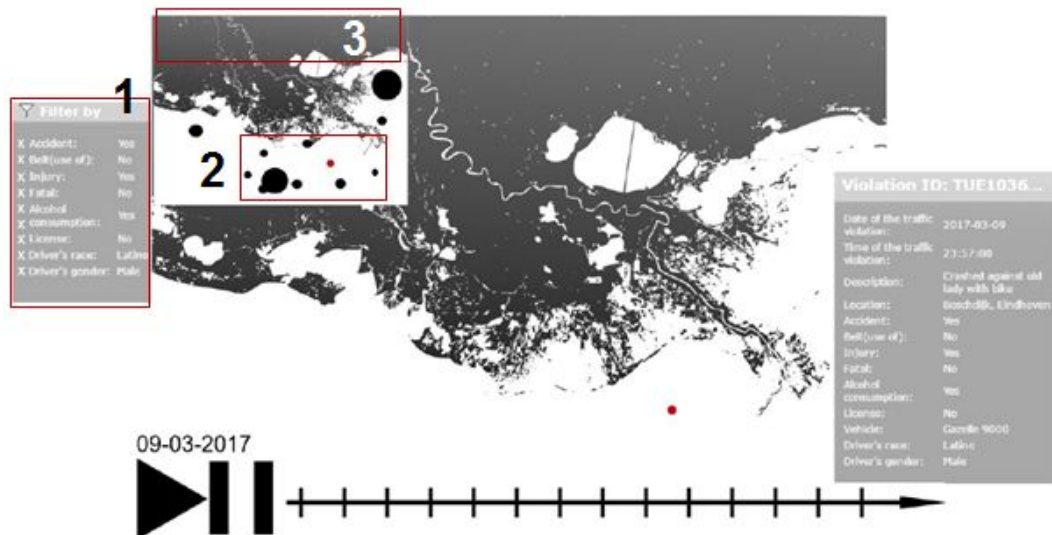
Open Data Project: Traffic Violations

Change Report

06-04-2017

This report lists the differences between the solution design presented in the Concept Version report and the final implementation described in the Final Report. These were mainly result of a different point of view obtained after starting the implementation phase.

- An initial part of the scope for this project included the integration of the visualization with Google Street images of the geographical spots of the traffic violations. However, the implementation of this aspect fell into the priority chain after the feedback received on the Demo day where the audience was satisfied with the ESRI Imagery visualization.
- The initial design of the visualization layout suffered 3 modifications:
 1. The filter function is embedded into the navigation panel using the legend as interactive elements. However there a filtering panel was also implemented, but for simply showing the filtering status (the selected filters).
 2. The size dimension of the circles in the navigation panel was not used. As it is very clear to see the hot spots of the map by just viewing the spot density in the navigation panel. Otherwise the use of the size dimension would have make impossible to hover and select smaller circles that end up behind bigger circles.
 3. The design of the navigation panel, initially did not include the dropdown list and the interactive legend that are part of the finally implemented features for grouping the data by a specific dimension.



- In addition to the Cesium and D3 libraries, the implemented code makes use of another library (more precisely a JQuery plugin) called [Tippy](#). Thanks to the ease of implementation it provides for hovering triggered tooltip pop-ups.