



LIFE18 ENV/IT/000201

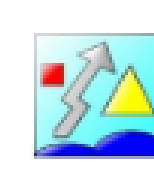
With the contribution of the LIFE programme of the European Union

LIFE E-VIA

Electric Vehicle noise control by Assessment and optimisation of tyre/road interaction



Università degli Studi
Mediterranea
di Reggio Calabria

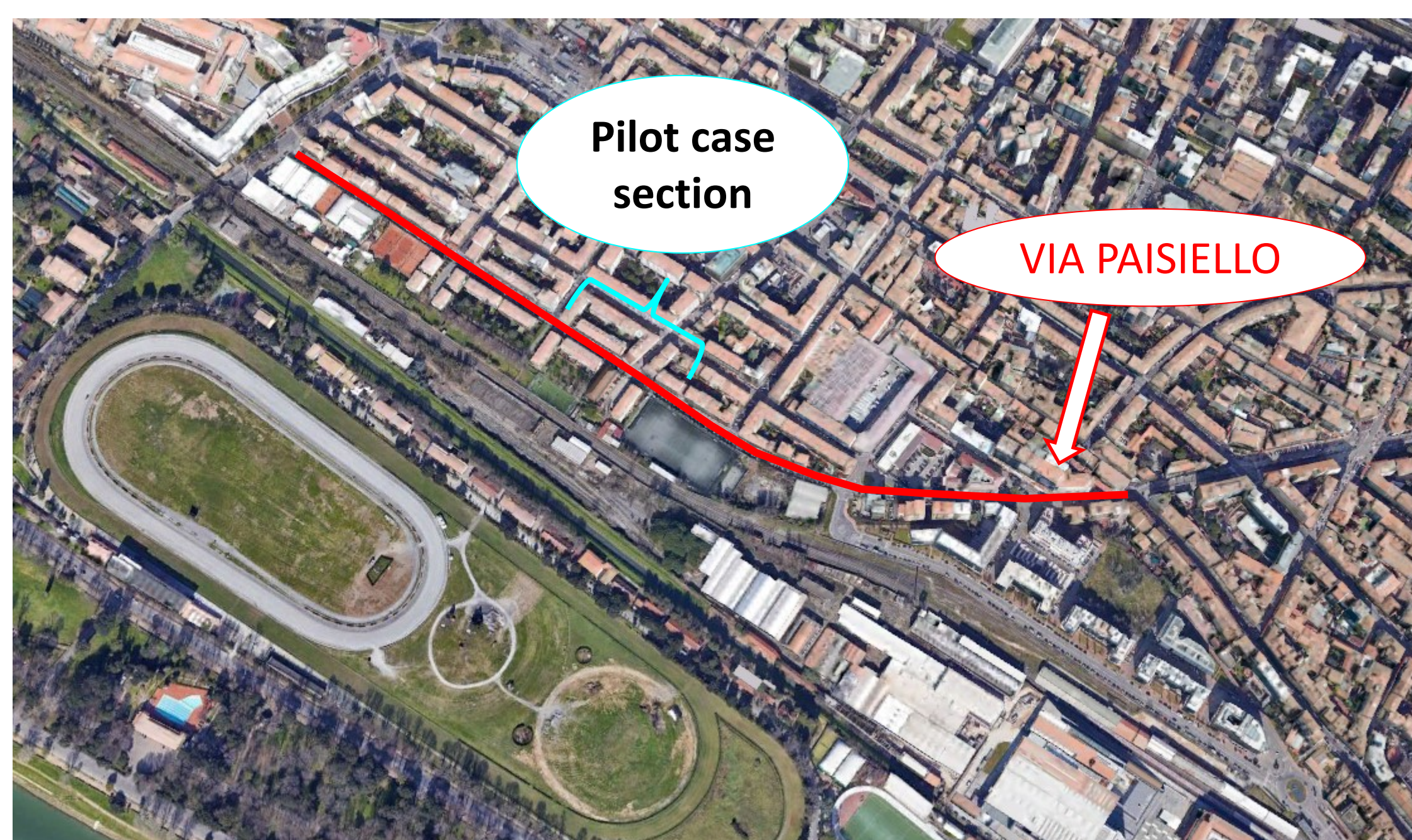


Vie en.ro.se.
Ingegneria

The Pilot case

After an initial designing stage followed by careful laboratory experiments, two different asphalt mixtures have been selected and tested in the experimental area in Nantes, during the electric vehicles passages. The measurements carried out in France allowed to choose the most efficient mixture. This asphalt mixture contains crumb rubber from recycled tyres and it has been used in the pilot case in Firenze in order to analyse the benefits it provides to reduce traffic noise. Via Paisiello has been selected as a pilot area. It is characterized by a significant housing density. The section of the street where the asphaltting works have been carried out, is straight and one-way. Moreover, the pilot area is characterized by a high level of traffic caused to its proximity to the city center and the presence of public offices. In the neighbourhood there are also an important public park (Cascine), urban regeneration interventions (Ex. Manifattura Tabacchi) and several public services, such as schools, commercial activities and sport installations.

Ante operam status



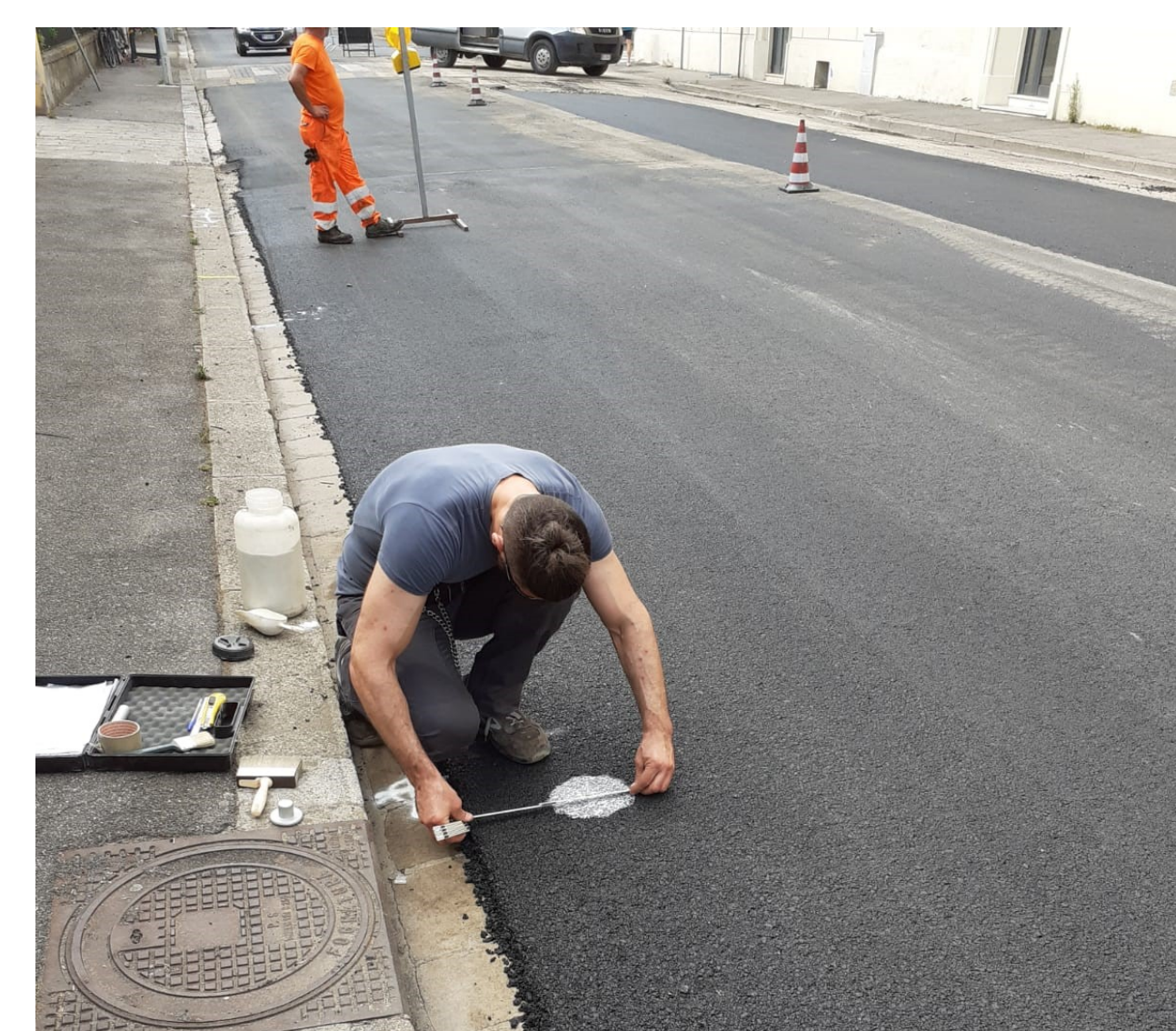
Asphalting works



Asphalt removal



Laying a new asphalt

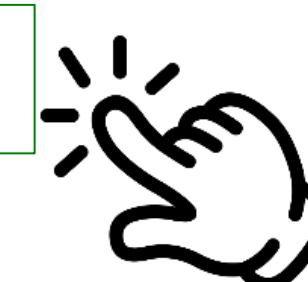


Texture check

Post operam status



Sito web: <https://life-evia.eu/>



The sole responsibility for the content of communications/publications lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the CINEA nor the European Commission are responsible for any use that may be made of the information contained therein.

LIFE E-VIA

Electric Vehicle noise control by Assessment and optimisation of tyre/road interaction

