

Report on the usage of the application for planning ecological trips

Version: Final

Distribution: Public

Date: 30 September 2019

WP 5: Development and application of tools

ACT 5.4: Broadcast to public of the application for planning ecological trips

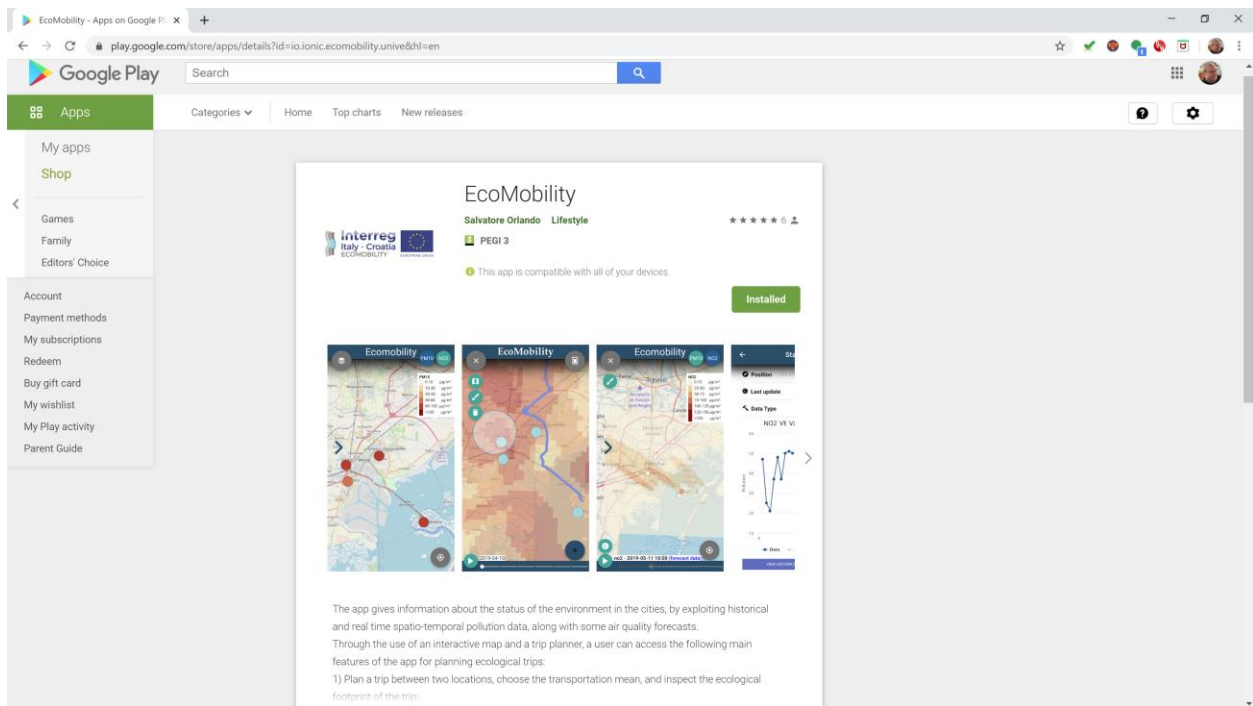
CONTRIBUTED TO THIS WORK

Salvatore Orlando, Ca' Foscari University of Venice

Francesco Andrea Antoniazzi, Ca' Foscari University of Venice

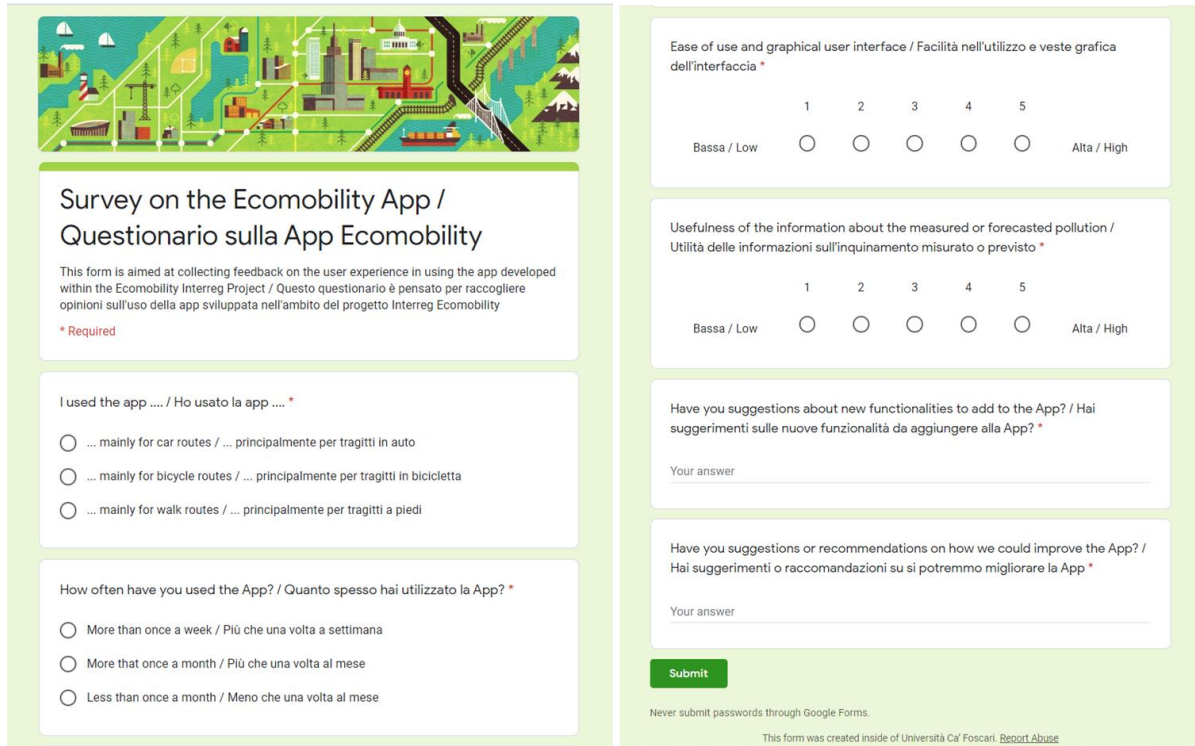
This deliverable analyzes and summarizes some data collected from the users of the App for planning ecological trips.

The App is available on the Android Google Play platform, as illustrated in the following screenshot:



The users were requested to kindly fill a questionnaire about the usage of the App.

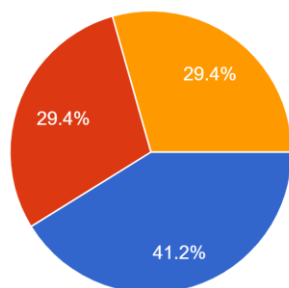
The administered questionnaire was the following, for which we collected a total number of responses equal to 17.



FIRST QUESTION

The question is aimed to know the purpose of the App usage for planning ecological trip. The majority of the respondents (41.2%) have used the App mainly for car routes.

I used the app / Ho usato la app
17 responses



- ... mainly for car routes / ... principalmente per tragitti in auto
- ... mainly for bicycle routes / ... principalmente per tragitti in bicicletta
- ... mainly for walk routes / ... principalmente per tragitti a piedi

SECOND QUESTION

This question is aimed to know the frequency of usage of the App. Only a small fraction (17.6%) of the respondents have used the App more than once a week.

How often have you used the App? / Quanto spesso hai utilizzato la App?

17 responses

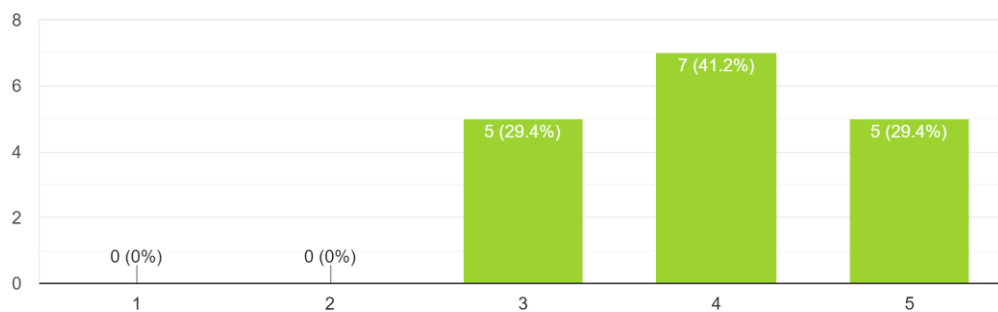


THIRD QUESTION

The question is concerned with the ease of use of the user interface. Most of the users (70.6%) have been satisfied (marks 4/5 on a scale of 5).

Ease of use and graphical user interface / Facilità nell'utilizzo e veste grafica dell'interfaccia

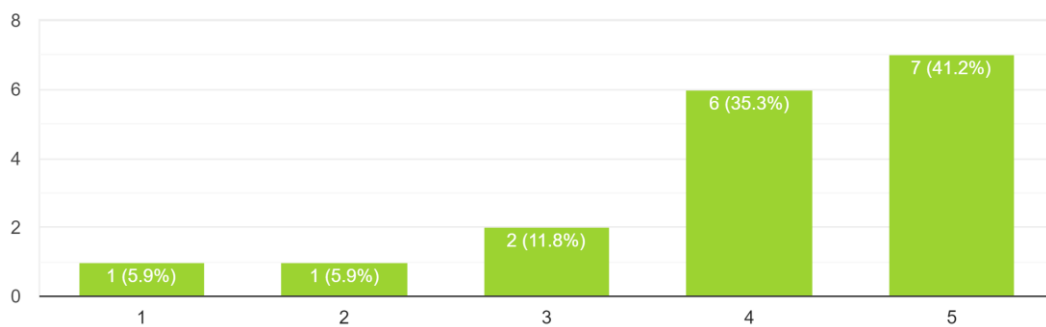
17 responses



FOURTH QUESTION

The question is aimed to know if users found useful the information about the pollution (measured and forecast). The largest part of the users (76.5%) have found very useful such information (marks 4/5 on a scale of 5).

Usefulness of the information about the measured or forecasted pollution / Utilità delle informazioni sull'inquinamento misurato o previsto
17 responses



FIFTH QUESTION

This is an open question, aimed at collecting suggestions about new functionalities to add to the App. We report in the following the most significant one, translating them into Italian.

- Adding cumulative counters about the number of times in a given time span a measure was greater than the legal limits.
- Increasing the geographic area covered by the App.
- Adding alerting for single user if the pollution level is expected to be high.
- Adding some per-user information about the amount of polluted areas covered during a travel, a day, etc.

SIXTY QUESTION

This is another open question, aimed at collecting suggestions about the improvement of functionalities already implemented. We report in the following the most significant one, translating them into Italian.

- Integrating the App data with others, for example the ones collected from satellites, like <https://www.airvisual.com/earth>.
- Besides Android, support IOs too.
- With the same functionalities, add more monitoring station covering all the Veneto region.