VEG-GAP, coordinated by ENEA, is a European project funded by the **LIFE** Program for the Environment and Climate Action, which aims to show how **urban green affects air quality directly**, through its gaseous emissions of volatile organic compounds and through its ability to filter the air, and indirectly, by changing the temperature of the air which, in turn, modifies the atmospheric processes responsible for the formation of secondary pollutants such as ozone (O₃) and a part of the atmospheric particulate matter (PM).

VEG-GAP arises from the awareness that the use of a natural resource, as urban green, represents a great opportunity to improve the quality of life in the city in its multiple aspects such as social, economic and cultural, starting from **the improvement of air quality and of the thermal comfort**, basic elements of the citizens' health and well-being.

Today, over 70% of harmful emissions for the planet come from the cities and by 2050, over 6 billion people in the world will live in urban areas. In this scenario, the cities are called to play a fundamental role in solving the air pollution problem by changing their development policies with the utmost attention to citizens and nature.

In order to do this in the best way using vegetation, it is necessary to answer first some fundamental questions such as which plant species are more suitable to use and which should be avoided? How and where to distribute the vegetation within the city avoiding to increase air pollution and temperatures? This is the **VEG-GAP** mission.

More vegetation, more air, healthy citizens.







Coordinator











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VEG-GAP Project - LIFE18 PRE IT 003 Duration: December 2018 - December 2021 Total Budget: 1.666.667 euro European Financial Contribution: 1.000.000 euro Coordinated by ENEA







Vegetation for cleaner air and better climate:

a holistic integration towards future cities.

