



GREENNOVA
FOUNDATION

2019 Annual Report

THERE IS NO PLANET B

Greennova Foundation activity officially began in June 2018, with the commitment to carry out actions to fight against global warming and climate change, and to reverse the negative effects that our actions create to our planet.

During these first months our efforts have been focused on the search for sponsors and the launch of projects framed within our founding purpose.

And we have obtained relevant supports to our task. In chronological order, these are the companies that became our sponsors: Transportes Trallero, Caja de Ingenieros, DAMM, La Caixa, Anudal Industrial, Comercial Química Massó and Vueling. Our most sincere thanks to all of them.

On the other hand we have signed a collaboration agreement with Eurecat to launch CAPTACO2 and POLUSTOP projects.

This 2019 will be remembered as the year in which the Fridays For Future movement started, with young people demonstrating around the world, demanding decisive actions from governments to deal with climate change. Greennova Foundation will also add its grain of sand, from a non-profit perspective.

Sebastià Carrión
Director of the Greennova Foundation

CAPTACO2 project consists on the development of an atmospheric carbon dioxide capturing module. Carbon dioxide is the main greenhouse gas contributing to climate change.

The capture is carried out through a chemical reaction that fixes the carbon dioxide in the form of carbonate, by mixing it with an hydroxide. This carbonate can be collected and stored, or it can be further processed to release the captured carbon dioxide and reuse it.

The operation is similar to the photosynthesis made by trees and plants, but by using polysulfone membranes instead of leaves.

In the prototype of the image there are two membranes on each of the six sides of the module which stores the hydroxide. Membranes technology allows carbon dioxide to go through them without the hydroxide coming out, so that the carbonate is contained inside the module.

Development efforts are now focused on improving the performance of the polysulfone membranes in order to maximize the capture efficiency.

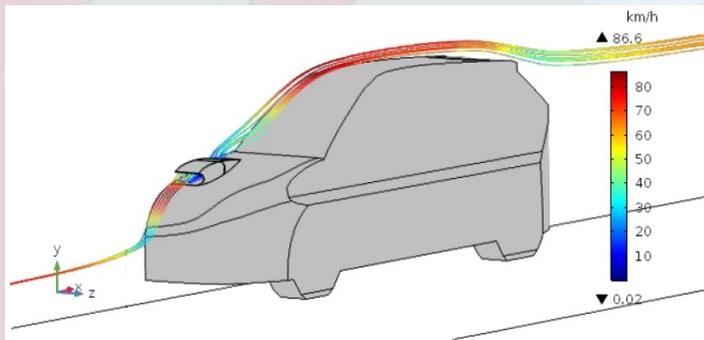


POLUSTOP is an urban air cleaning project whose main objective is to collect pollution particles, created by road traffic and industrial activity, which pose a very important health problem in large cities.

Air cleaning is performed by filtration, therefore it is necessary to impulse the air through a filter that retains particles effectively.

The first phase of the project has evaluated the feasibility of installing mobile filters on the external surface of vehicles, which can be put on and removed without effort in such a way that the advance of the vehicle drives the air through the filter.

The study has shown that the aerodynamic resistance offered by the mobile filter does not compensate the achieved filtration: the drag created by the filter causes an excess fuel consumption.

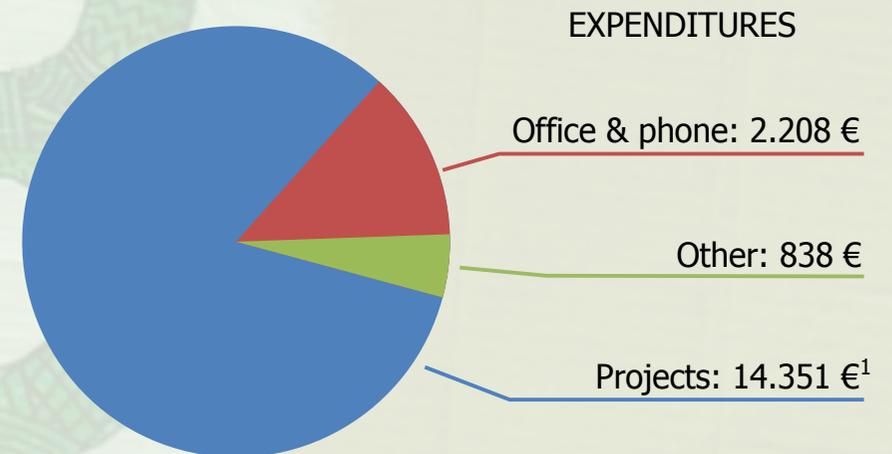


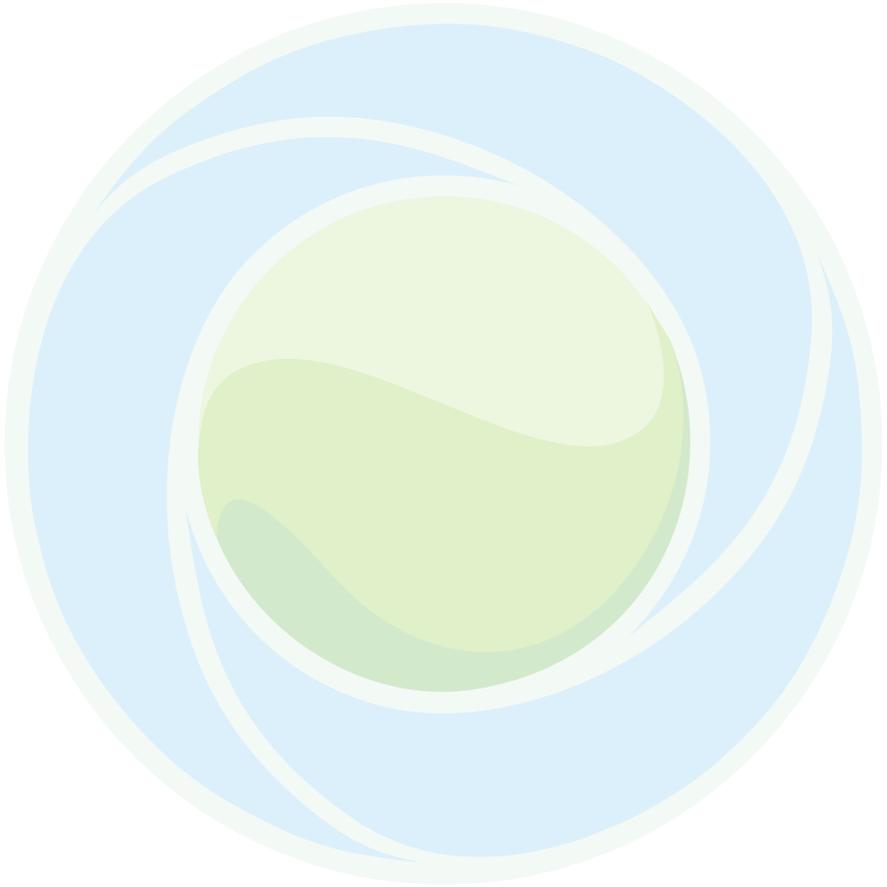
Therefore the second phase of the project will evaluate an alternative based on forced air filtration using fans, with filter regeneration to extend their useful life.

Greennova Foundation is a non-profit organization, working thanks to the donations it receives from both companies and individuals.

Greennova Foundation does not use any euro on salaries or board diets, so it can spend the maximum possible resources on its founding purpose.

Patrimony start 2019	28.611 €
Donations	43.449 €
Expenditures	-17.397 €
Patrimony start 2020	54.633 €





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