



CHIMERA

BUILD ECO PRACTICES

Project title: **CHIMERA - CHickens Manure Exploitation and RevAluation**

Project acronym: **LIFE-CHIMERA**

Project number: **LIFE15 ENV/IT/000631**

Partners: **TRE P ENGINEERING SRL, Marche, Italy**

Renders & Renders V.O.F., Noord-Brabant, Netherlands

Start date: **01/07/2016** | Expected end date: **31/12/2019**

Duration: **42 Months**

Eligible Costs : **2.170.099 €**

EU contribution : **1.294.458 €**

CHIMERA reinvents the chicken manure disposal process. Chicken manure is an organic waste and rarely perceived as a polluting agent, however, it is rich of toxic elements such as nitrogen oxide (N₂O), ammonia (NH₃) and methane (CH₄) that contaminate air, soil and groundwater. Nowadays, chicken manure disposal is twofold: the waste is either bestowed to waste-to-energy plants or directly broadcasted on the ground. Costs related to storage, transport, disposal and/or broadcasting are high for the farmer.

CHIMERA solves all issues related to waste management. A “ready and easy to use” solution that works in small farms or farm districts for meat (broiler) and/or eggs production. The dimension of the plant is limited and can be installed within the farm.

CHIMERA’s ambition consists of transforming waste into a fertilizer while producing energy.

CHIMERA solution: from manure to flowers!

This project becomes true thanks to the EU financing of the LIFE programme, GA n. LIFE15 ENV/IT/000631, and the collaboration between Tre P Engineering Srl, Italian engineering company and project coordinator, and Renders&Renders V.O.F., Dutch farmer.



PROJECT PHASES

July-December 2016: pilot plan design and permits requests in Italy and the Netherlands.

January-September 2017: assembling and test of combustion and fertilizer units through the installation of 2 prototypes in Italy.

September 2017 to the end of 2018: pilot plant assembling in the Netherlands, validation and demonstration activities, replicability analysis.

January-December 2019: monitoring of performance indicators, LCA and study on the socio-economic impact of CHIMERA.

During the whole duration of the project, we will involve stakeholders in the External Users Advisory Board.