Introduction/Objectives

The project's main objective is the development of an innovative method of producing bioethanol from Bio-waste via bioconversion with a view to help Greece and Europe's effort managing Bio-waste in a sustainable and concrete way thus achieving the goals set in the EU's waste management strategy. This is expected to be achieved through the following specific equal in terms of importance objectives:

- To promote the dissemination of a promising Bio-waste treatment technology, aiming to the sustainable management of this waste stream and thus resulting in the mitigation of climate changes
- To design, develop, test, optimize and evaluate an innovative pilot scale plant for the production of Bioethanol from Bio-waste via bioconversion which will be capable of converting a high rate of the total Bio-waste quantity to second generation bioethanol
- To significantly reduce the quantity of household Bio-waste going to final disposal while avoiding an increase of emissions to air, water and soil
- To lead to the production of a final product (after the bioconversion process) which can be further used instead of fossil fuels which damage significantly the environment and the economy

- To demonstrate a pilot scale bioconversion plant in the area of Athens Greece which faces a serious problem from waste going to landfills