

UBUCOMP (Composting Research Group). University of Burgos (Burgos, SPAIN)

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Keywords: SOIL FERTILITY, SOIL ECOLOGY, ORGANIC AMENDMENTS, COMPOSTING, SOIL BIOREMEDIATION, BIOLOGICAL CONTROL, BIODISINFECTATION...

EXPERTISE & RESEARCH LINES

- Agronomic And Environmental Application Of Organic Wastes
- Biological Treatment Of Organic Wastes
- Biological Control Of Plagues And Diseases

INTERNATIONAL PROJECTS:

- Currently developing a LIFE + 2013 Project – INTEGRALCARBON- Development and global enforcement of GHG capture photobioreactors in agroindustrial activities. 1 proposal submitted to LIFE 2014

CALLS OF INTEREST:

- WASTE-7-2015 Ensuring sustainable use of agricultural waste, co-products and by-products

PROJECT IDEA:

General objective:

Implementation and demonstration projects about the feasibility of use algal cultures for the capture of GHG (Green House Gases) and residual nutrients generated in agro-industrial activities carbon for a better C-footprint.

Specific objectives:

- Improve the carbon balance of agro-industrial processes through its fixation in algal biomass using photobioreactors.
- Immobilization of nutrients excesses from the wastewater from livestock or agro-industrial sectors in algal production.
- Achieve the production of an organic fertilizer based in algae tissues that allows decreasing the dependence of agriculture to mineral fertilizers, increasing the C-storage in the soil, its fertility and crop productivity.
- Reduce the C-footprint of agro-industrial production.
- Promotion of environmentally sustainable agriculture
- Contribute to generate more healthy foods.

CONSORTIUM

- UBUCOMP-University of Burgos
- University of Valladolid (ETSIIAA-Palencia)
- KEPLER Ingeniería y Ecogestión (Burgos) (Contacts in Deutschland)
- Interdisciplinary Centre of Marine and Environmental Research (CIIMAR-Portugal) (Not confirmed yet)

International search for European partners is still in progress (agro-industries or livestock companies)



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