

**BIOFUELS GROUP- NEIKER**

**MICROALGAE PRODUCTION FOR ENERGY PURPOSES**

**Summary**

Neiker addresses the use of microalgae in three fundamental and complementary lines:

(A) photosynthetic biomass generation with high energy content, specifically aimed at the production of biofuels. For this purpose, Neiker has a pilot plant for microalgae cultivation to achieve an intensive production of species with high lipid content and species producing carbohydrates.

(B) obtaining biomolecules of interest for the agriculture and food industries (essential fatty acids, pigments, antioxidants and immune system activators in plants), from the resulting residue after extraction of the first compound of interest.

(C) usage of genetic tools for the characterization and improvement of the targeted species or strains having characteristics of commercial interest that may be potentially improved through genetic engineering.

**Applications**

- (a) Renewable energy companies
- (b) Food industry
- (c) Pharmaceutical and cosmetics companies

**Patent application number**

**Priority date**

**References**