



Research on Advanced Technology for the Comprehensive Assessment of Algae

CENIT Vida Project

PROJECT

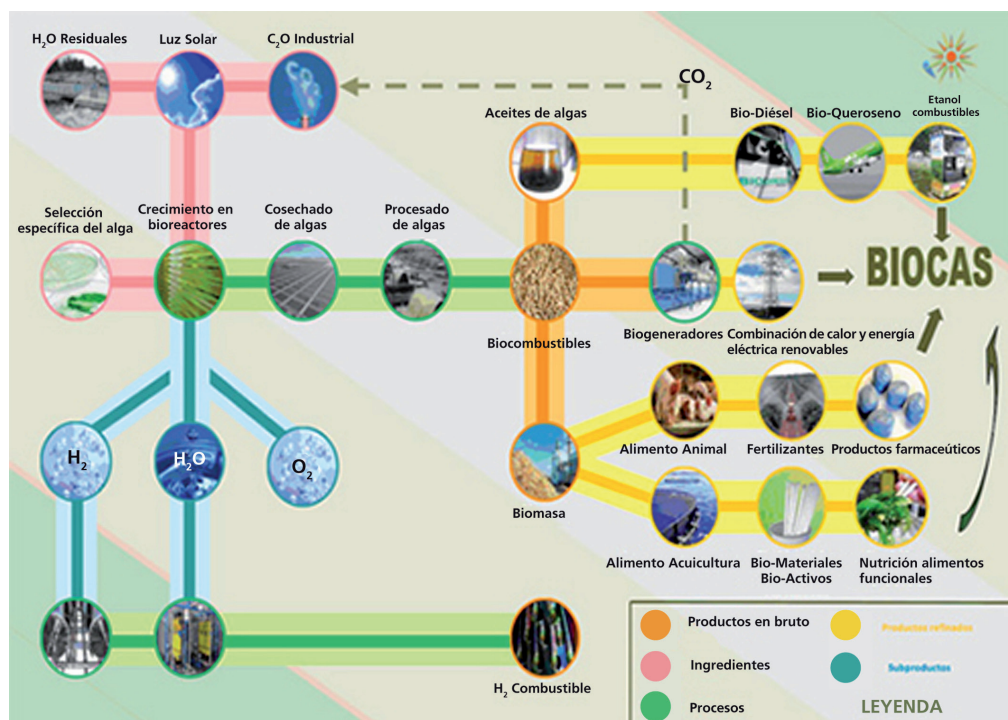
Advanced technology, the focus of the research for the assessment of algae, makes it possible to comprehensively meet human needs using renewable natural resources. It is a completely innovative and ground-breaking technological initiative that addresses the challenge of creating and generating the technology and knowledge required to use algae in a complete, effective and sustainable way. Aqualia is participating in three of the four activities under the project. These are:

ACTIVITY I: micro-algae selection and cultivation using thin-filmed photobioreactors, taking advantage of the nutrients in wastewater.

ACTIVITY II: optimisation of the harvesting and preconcentration processes of algae cultivated in wastewater.

ACTIVITY III: assessment of algae through anaerobic digestion, optimised beforehand using thermal hydrolysis.

The CENIT VIDA project, Comprehensive Assessment of Algae, addresses the challenge of generating the technology and knowledge needed to develop the new Self-sufficient and Sustainable Biocity [BIO Ciudad, Autosuficiente y Sostenible] (BIOCAS) concept, which is based on bionic science and the natural environment, introducing a new culture of natural resource, waste and pollutant substance usage into the urban environment, carried out using valuable algae.



Location: Arcos de la Frontera y Chiclana de la Frontera (Cádiz).

Duration: May 2010 – April 2014, divided in 4 annuities.

Current state: Finished.

Total Budget in Euro: 18,901,754 €

Aqualia: 1,502,665 €

PROJECT PARTICIPANTS:

Partners:

Leader: Iberdrola

Other

partners: CT Ingenieros

Fertiberia

Fundacion Cajamar

Biogás Fuel Cell

aqualia

Exeleria

Inkoa Sistemas

Andres Pinaluba

Algaenergy

Repsol

Industrias químicas Irurena

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Support name and granting body:

Programa de apoyo a Consorcios Estratégicos Nacionales de Investigación Técnica (CENIT) del CDTI. Convocatoria 2010

Project: CEN-20101026

Grant: Subsidy

Total subsidy: 8,261,957 €

Aqualia: 656,798 €

