



UNIVERSITÀ
DEGLI STUDI
FIRENZE

FLORE

Repository istituzionale dell'Università degli Studi di Firenze

Eco-logic green farm project: organic microalgae production in an integrated plant.

Questa è la Versione finale referata (Post print/Accepted manuscript) della seguente pubblicazione:

Original Citation:

Eco-logic green farm project: organic microalgae production in an integrated plant / Caltarossa, T.; Raffagnato, F.; Sampietro, G.; Tredici, M. R.. - STAMPA. - (2015), pp. 198-198. (Intervento presentato al convegno AlgaEurope 2015).

Availability:

This version is available at: 2158/1052039 since: 2016-09-09T12:54:05Z

Publisher:

EABA, EC, DLG

Terms of use:

Open Access

La pubblicazione è resa disponibile sotto le norme e i termini della licenza di deposito, secondo quanto stabilito dalla Policy per l'accesso aperto dell'Università degli Studi di Firenze (<https://www.sba.unifi.it/upload/policy-oa-2016-1.pdf>)

Publisher copyright claim:

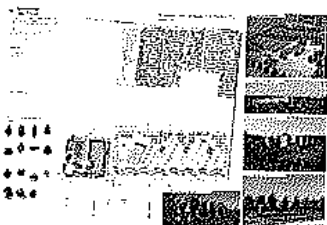
(Article begins on next page)

ECO-LOGIC GREEN FARM PROJECT: ORGANIC MICROALGAE PRODUCTION IN AN INTEGRATED PLANT

Thomas Caltarossa¹, Fabrizio Raffagnato¹, Giacomo Sampietro²
and Mario R. Tredici³

The **Eco-logic Green Farm Project** is a large-scale initiative aiming to produce microalgae for the food, pharmaceutical and cosmetic sectors respecting the environment and promoting personal well-being. The project is funded by the European Union's Horizon 2020 research and innovation program under grant agreement No 683515 and has been developed in cooperation with Fotosintetica & Microbiologica S.r.l. (F&M), Italy. It has been selected for its excellence in innovation, environmental impact, quality and efficiency of the application.

Through the **Eco-logic Green Farm Project**, the Azienda Agricola Serenissima will produce organic spirulina (*Arthrospira platensis*), a cyanobacterium rich in vitamins, minerals and proteins. The cultivation will be carried out in a 1000-m² GWP-II plant (Fig.1) with an expected annual productivity of about 3.6 tons of high quality biomass. In cooperation with the "Centro Studi di Pollicoltura", local varieties of chickens will be bred according to the principles of organic farming, for both direct high-quality animals production and to obtain 5-7 week old chickens to be sold to other organic farms for further breeding.



The **Eco-logic Green Farm Project** is not just an agricultural company producing spirulina biomass and chickens, but an integrated project based on technological innovation, advanced research and development for the production of organic feeds and food.

¹Società Agricola Serenissima s.s. via Q.re della Fornace 7/1, Conselve, Padova, Italy

²Fotosintetica & Microbiologica S.r.l., via Del della Robbia 54, Firenze, Italy

³Department of Agri-food and Environmental Sciences, Piazzale delle Cascine 18, Firenze, Italy



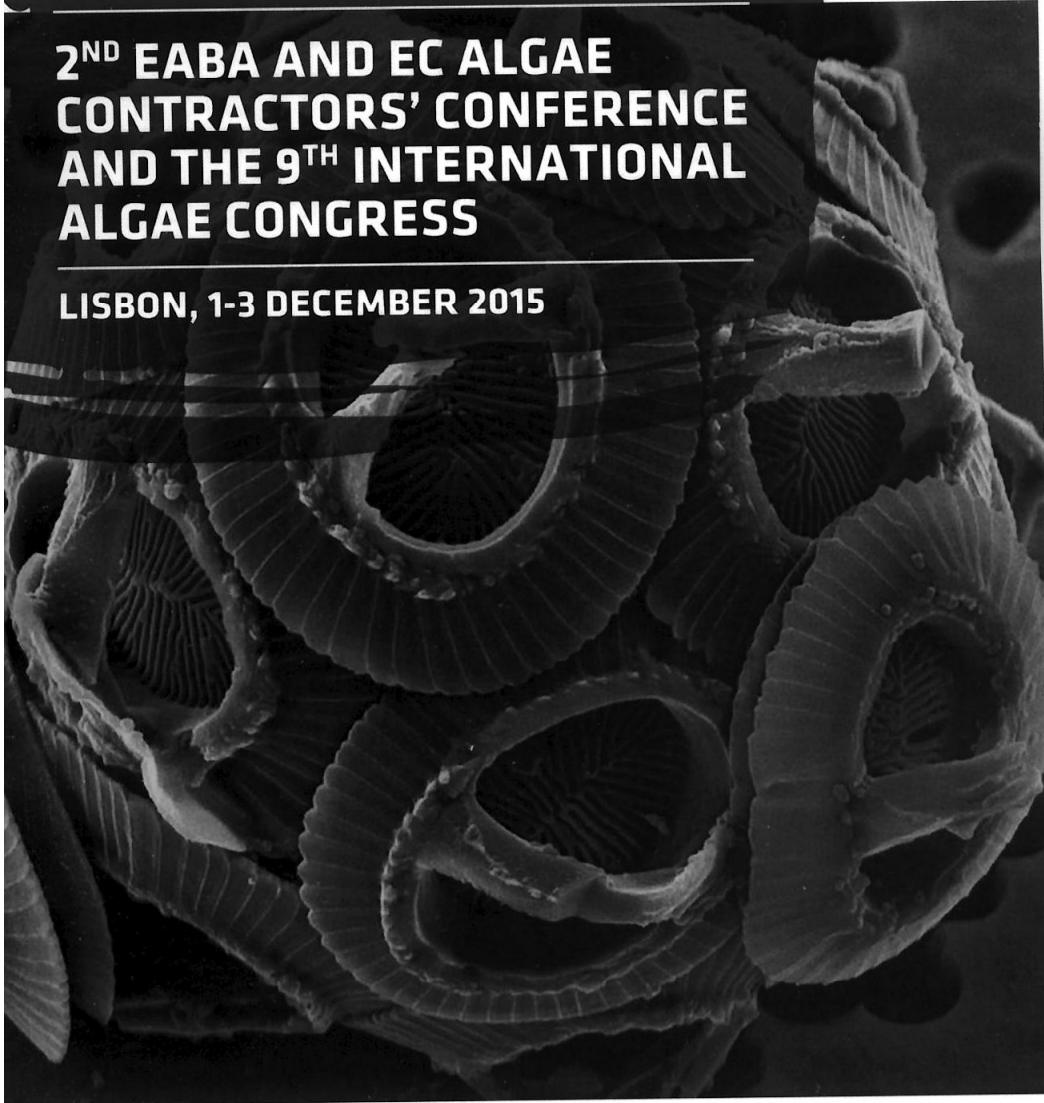
1-3 DECEMBER 2015
9th International
Algae
congress

ALGAEUROPE
CONFERENCE 2015

BOOK OF ABSTRACTS

**2ND EABA AND EC ALGAE
CONTRACTORS' CONFERENCE
AND THE 9TH INTERNATIONAL
ALGAE CONGRESS**

LISBON, 1-3 DECEMBER 2015



algaecongress.com

