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

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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.

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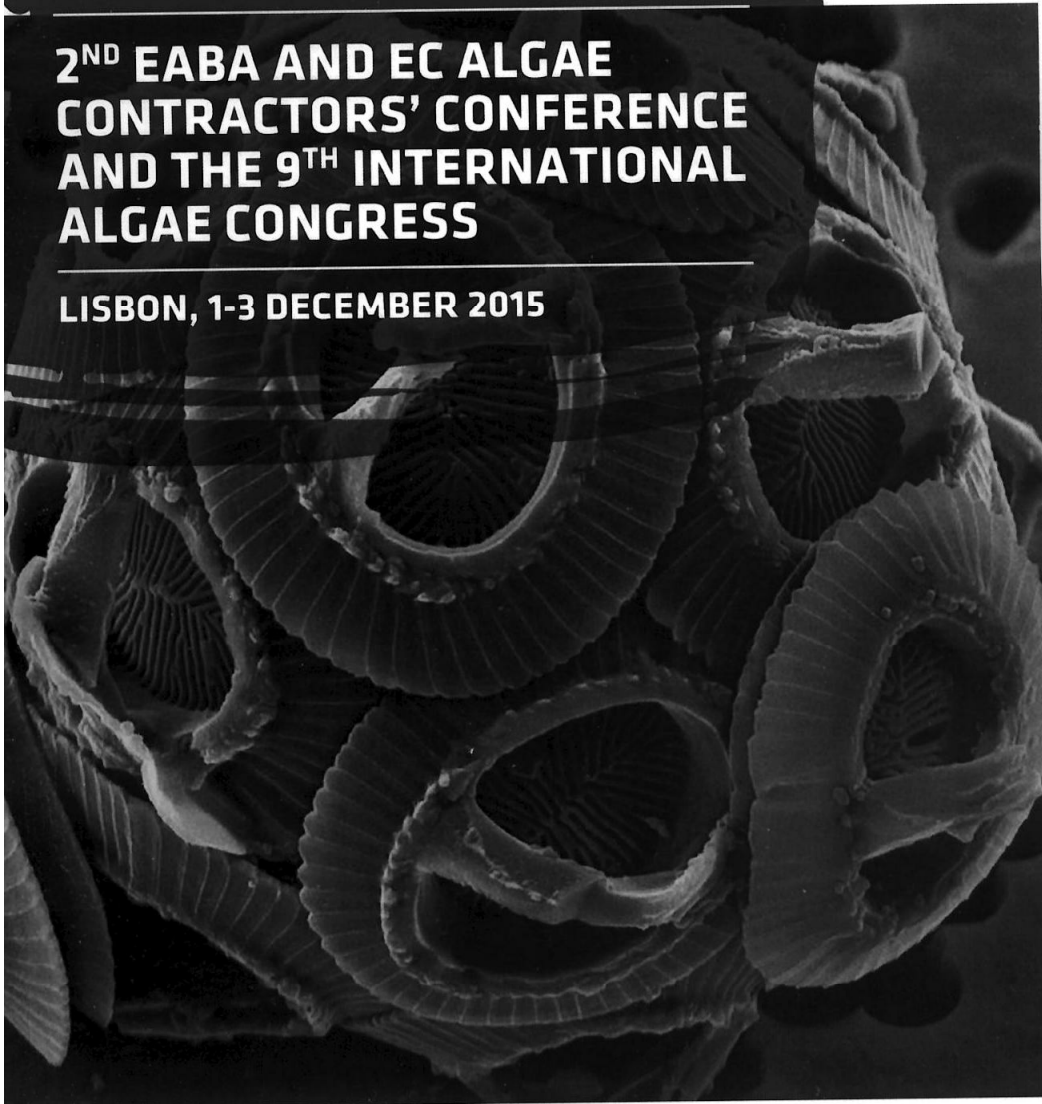
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