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Nov 2013 - Nov 2017

Developing a pipeline of PUFA-derived products from several species of microalgae

A4F as Coordinator



This project is developing a robust scientific and technological basis for substantiating strategic and technical decisions for the industrial development of **high-value products from algae**. This shall contribute to

develop the new and sustainable resource algae for the market. The concept of the proposal is strictly oriented to the value chain of microalgae. **The aim of this project is to realize a concrete exemplary value chain**, develop the technical interfaces between the different value adding stages and investigate the still open research aspects on every single stage while addressing the needs of the value chain as a whole. Innovative technologies will be combined taking advantage of a complimentary partnership with the best available expertise in the sector in Europe.

Microalgae species: *Botrydiopsis pyrenoidosa*, *Chloridella simplex*, *Lobosphaera incise*, ***Pavlova lutheri***, *Phaeodactylum tricornutum*, *Prorocentrum cassubicum*, *Raphidonema nivale*, *Thalassiosira weissflogii*, *Nannochloropsis gaditana*, *Vischeria Helvetica* and *Vischeria stellata*

Program



FP7

Key Achievements

Information Unavailable

Budget

7 M€

Duration

48 months

Partners

Georg-August-Universitaet Goettingen Stiftung Oeffentlichen Rechts (Coordinator), Germany

Mahle Innova Gmbh, Germany

Natex Prozess Technologie Gesmbh, Austria

Cremer Oleo Gmbh & Co. Kg, Germany

Fraunhofer Gesellschaft Zur Forderung Der Angewandten Forschung Ev, Germany

IFEU - Institut FuerEnergie - Und Umweltforschung Heidelberg Gmbh, Germany

Stichting Dienst Landbouwkundig Onderzoek, Netherlands

Eura-Consult AG, Germany

A4F Role

A4F tested the selected and/or modified microalgae strains with the potential for high added value products at a prototype scale unit, and scale-up the prototype unit to a pilot scale unit with 10 m³ based on the previous engineering, design, optimization and operational results.

Website

<https://www.pufachain.eu/home/>

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