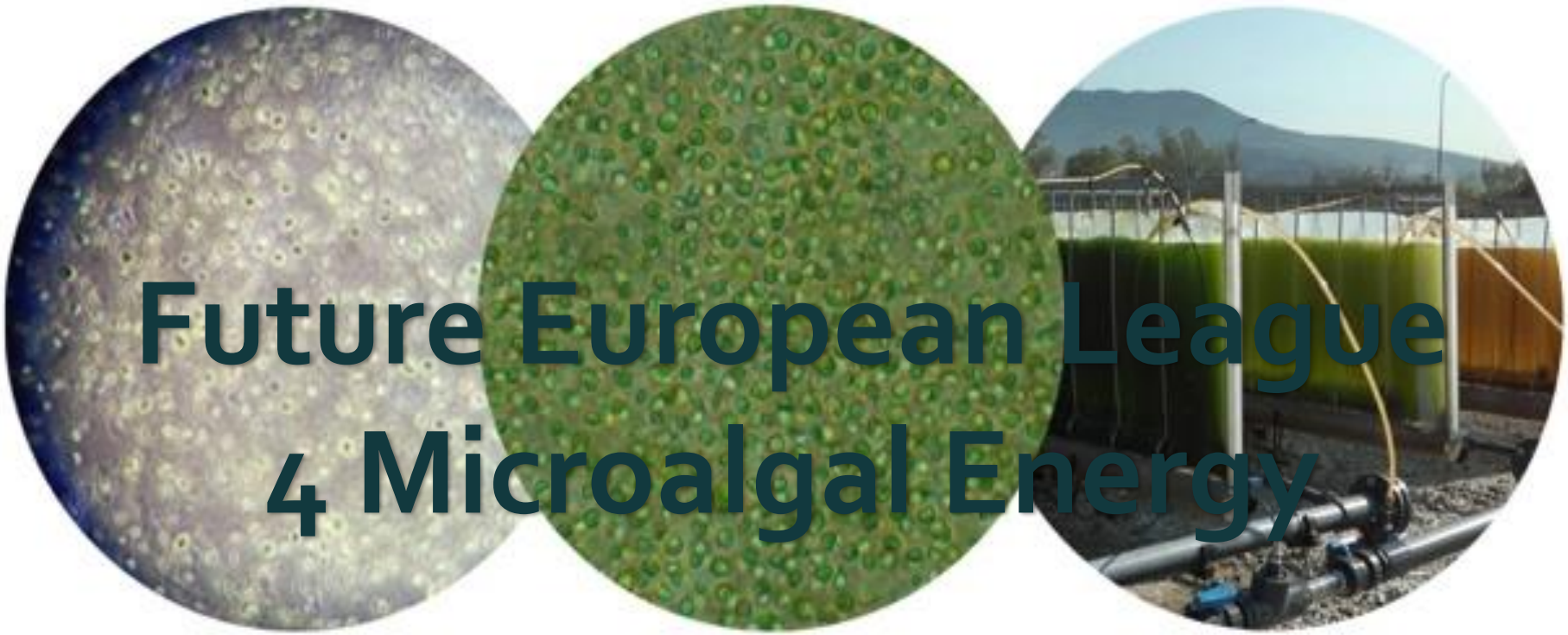
fuel4me



Future European League 4 Microalgal Energy

General overview

FUEL4ME: **Fu**ture **E**uropean **L**eague **4** **M**icroalgal **E**nergy

Main goal: to demonstrate a sustainable, scalable process for production of biofuels from microalgae and to valorize the by-products by 2017.

The project has a budget of 5.4 M€ from which 4M€ are supported by the European Commission through the 7th Framework Program under Grant Agreement No. 308983.

- Duration: 48 months, from January 2013 to December 2016
- Coordinator: Wageningen UR - Food & Biobased Research
- Website: http://fuel4me.eu/

Workplan

WP1: Fundamental research and enabling technologies
Partners: **WU**, WUR-PRI, BGU.

WP2: Translation to outdoors and production
Partners: **F&M**, WUR-FBR, BGU, BIT.

WP3: Downstream processing and conversion of oils to biofuel
Partners: **FEYECON**, EVODOS, CELLULAC, NOIL, WUR-FBR.

WP4: Demonstration at pilot scale
Partners: **FEYECON**, BIT, EVODOS, CELLULAC, NOIL.

WP5: Sustainability assessment of integrated process
Partners: **JOANNEUM**, WUR, WU, BGU, F&M, BIT, EVODOS, CELLULAC, FEYECON,NOIL.

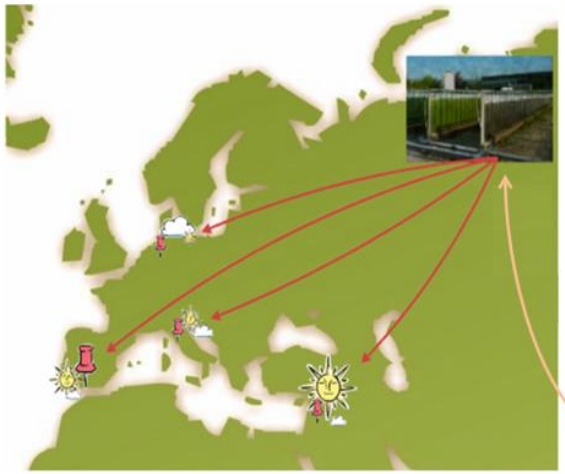
WP6: Dissemination and exploitation Partners: **IDC**, all.

WP7: Project Management Partners: **WUR-FBR.**

Future European League 4 Microalgal Energy

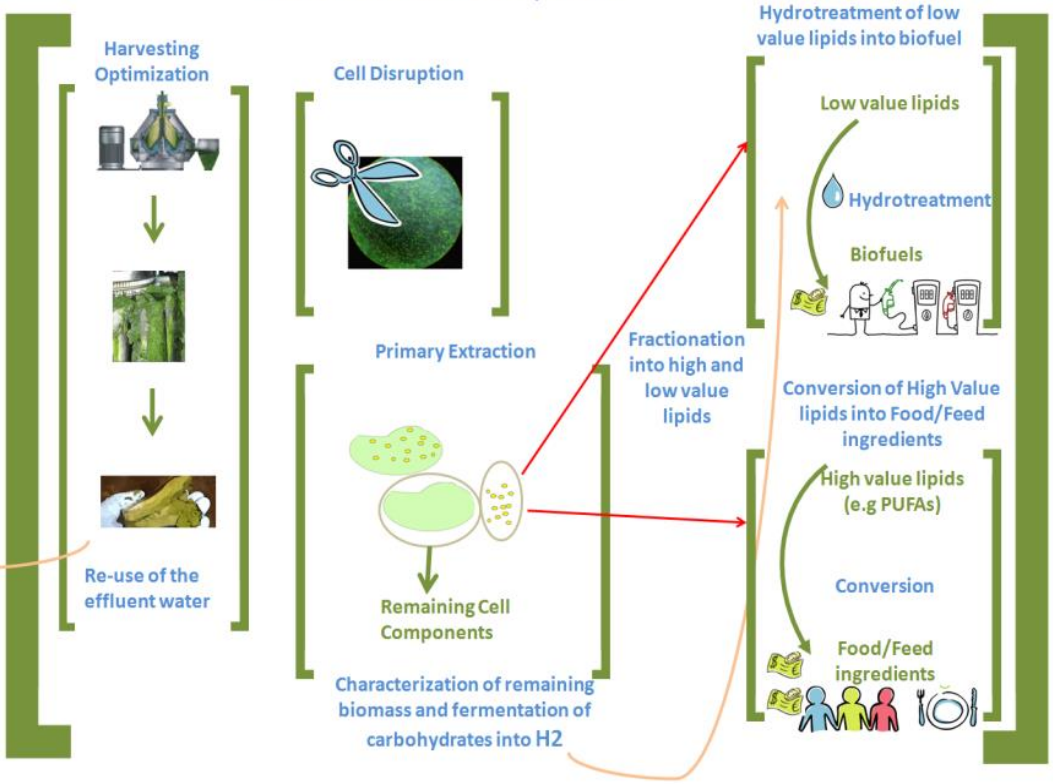
Optimization of Upstream processes

One step continuous biomass production

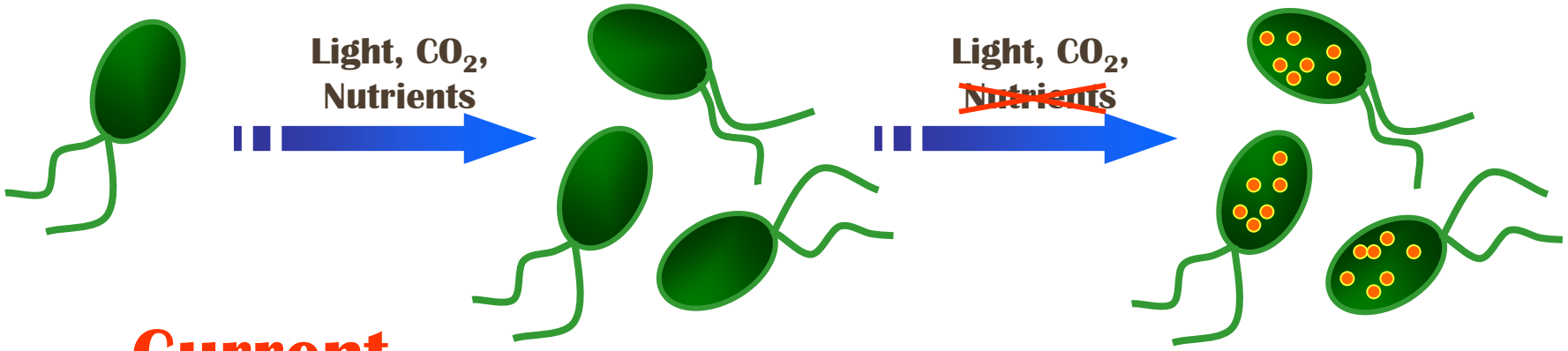


Optimization of Downstream processes

Continuous conversion process

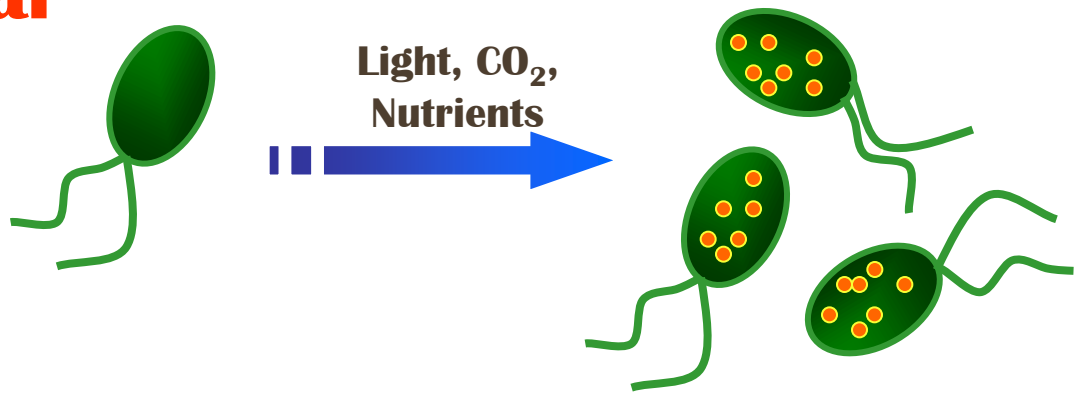


Lipid production



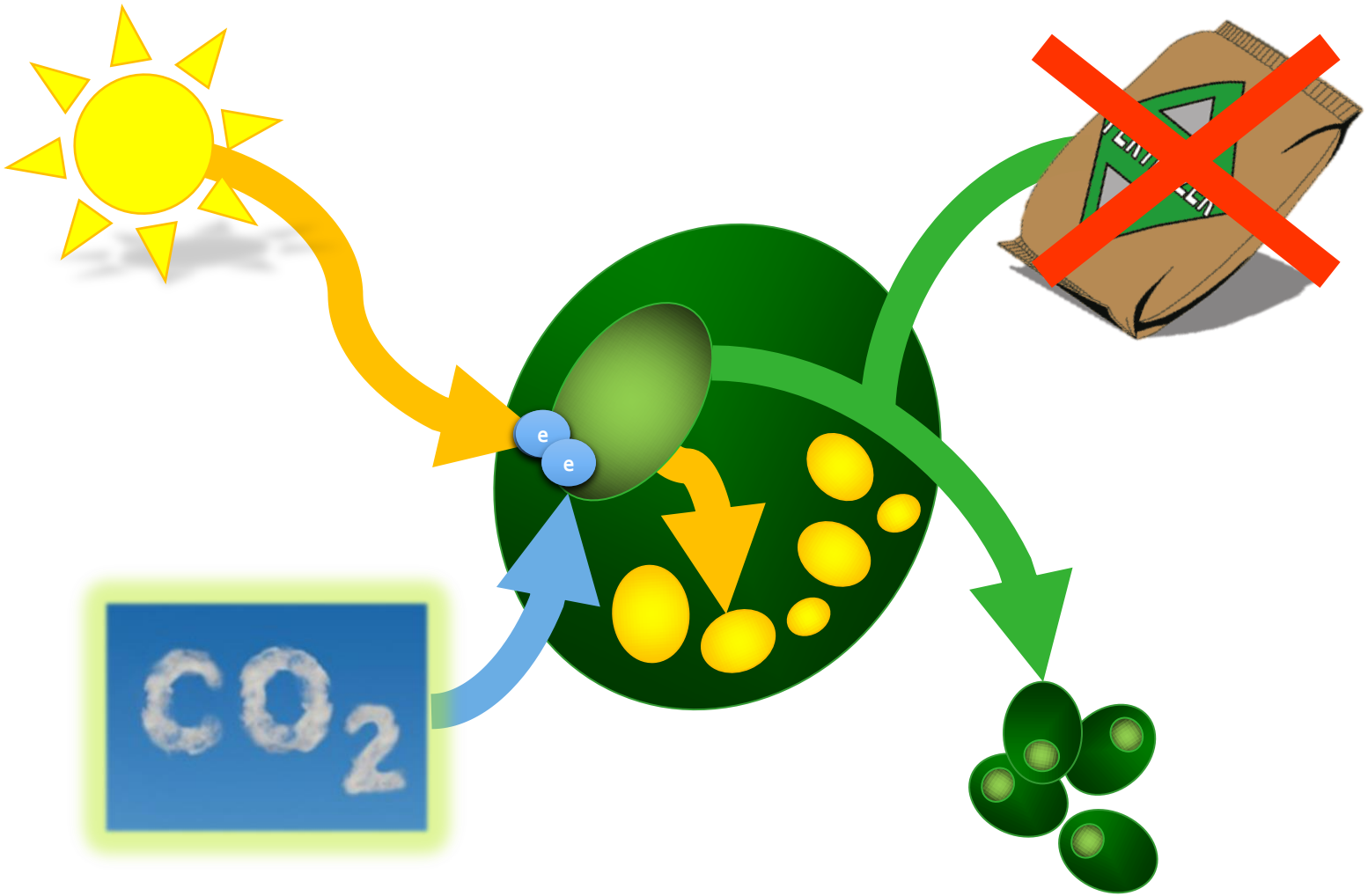
Current

Goal



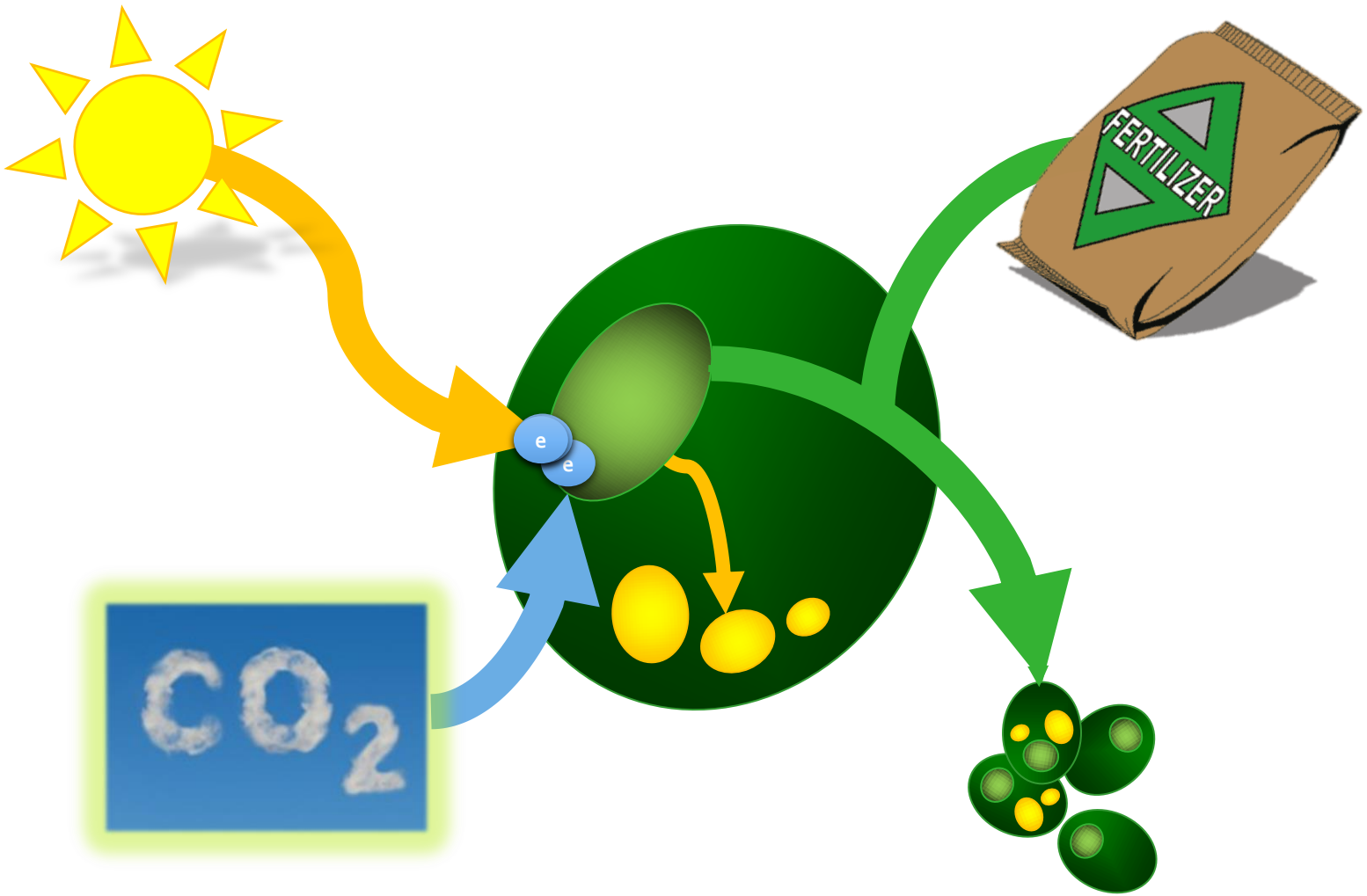
Hypothesis

TAG act as e^- sink



A new way of thinking

Growth and lipid production?



Thanks for your attention!