



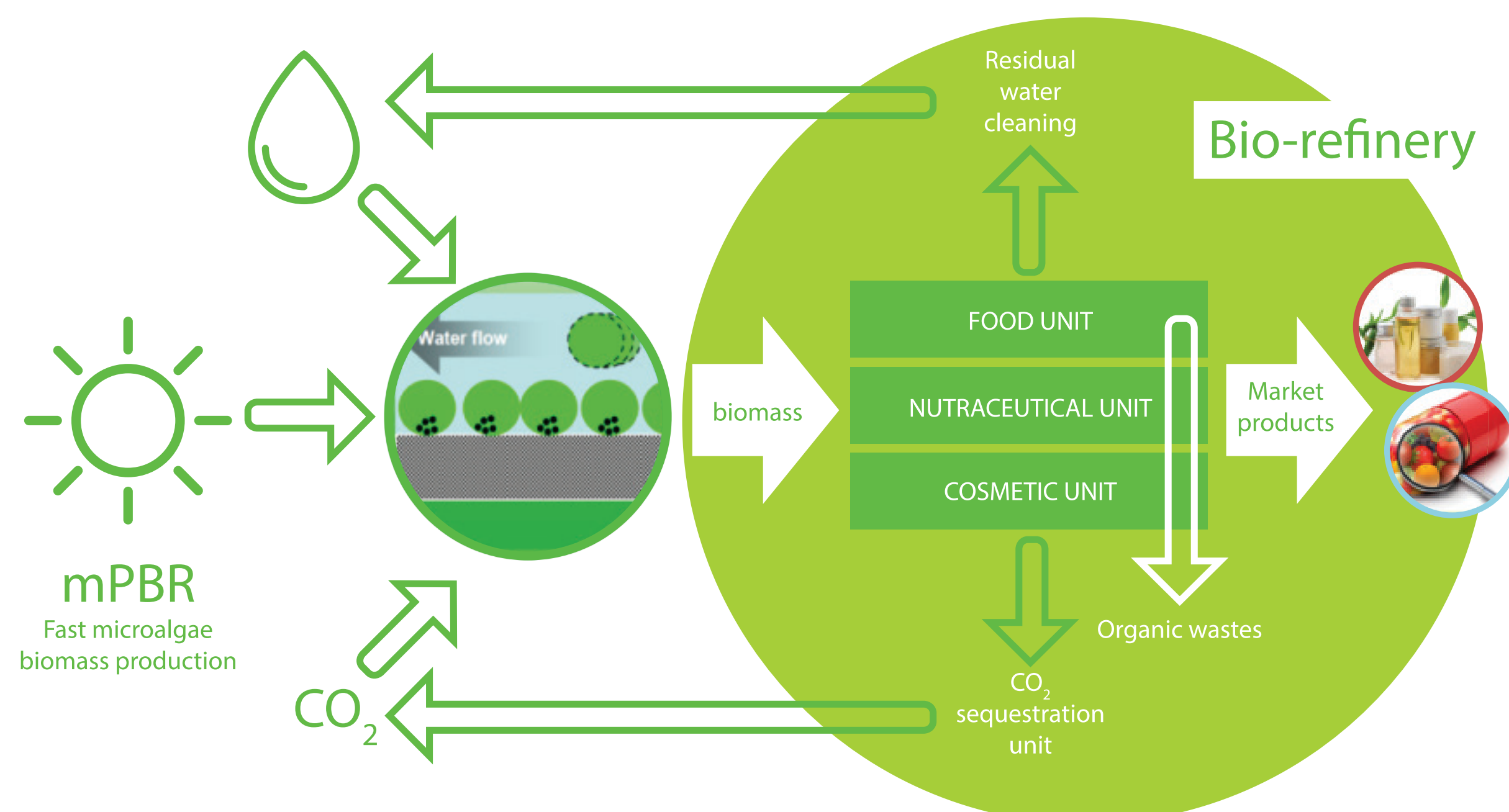
# Valuable Products from Algae Using new Magnetic Cultivation and Extraction Techniques

[www.valuemag.eu](http://www.valuemag.eu)

## The Project

VALUEMAG proposes a revolutionary technology for microalgae industry in order to produce and purify high-value biomolecules in an affordable and environmentally-friendly manner by:

- Developing a photobioreactor system (mPBR) based on magnetic nanoparticles and a magnetic steel cone
- Optimizing cultivation parameters



## Objectives

VALUEMAG project seeks to develop an advanced magnetic method for micro-algae cultivation and harvesting at minimum cost. It further includes integrated bio-refineries conception to treat microalgae biomass and thus:

- Holistic production of food from microalgae biomass
- Obtaining commercially valuable products (cosmetics & nutraceuticals)

## Impact

### Economic & competitive innovative technology

- Efficient use of lands
- Drastic reduction of costs, water and electricity.
- High production rate

### Environmentally friendly approach

- Water and CO2 recycling

### Socio-economic and development driven force

- New job creation
- Improvement of the innovation capacity
- Integration of new knowledge



If you would like more information about the project, please contact us: [info@valuemag.eu](mailto:info@valuemag.eu)



Horizon 2020  
European Union Funding  
for Research & Innovation

This project has received funding from the Bio Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation under grant agreement No. 745695