WHY MICROALGAE?

- **High productivity** in comparison with land plants
- **High-value bioproducts**: ω-3 fatty acids, pigments, antioxidants, proteins, carbohydrates,...
- **No need** for fertile soil or freshwater
- **Valorization** of waste streams

STRENGTHS of FLANDERS

- Optimal climate for several algal species
- High availability of **industrial CO₂** and essential **nutrients**
- Dense industrial network and important livestock providing an **ideal market** for algae products
- Strong in biotechnology and biorefinery

MORE INFORMATION?

www.vlaamsalgenplatform.be

FOR WHOM?

All stakeholders active or interested in algae materials

- Pure materials
- Recuperation materials
- Sunlight or artificial light

Chain

- Production: open pond, photobioreactor
- Harvest + water management
- Downstream processing
- Application

Applications

- Food
- Feed
- Materials
- Chemicals
- Emission abatement
- Energy
- ...

OBJECTIVES

- Creation of a **facilitation framework** for organizations with current or future activities involving algae, including research institutions and companies
- Creation of **synergies between scientists and companies** to stimulate research, technological developments and industrial applications in the field of algae
- Inform companies on **innovative opportunities** with the use of microalgae
- Perform **innovation supportive studies** on legislation, potential of microalgae in Flanders, sustainability

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