

# Flemish Algae Platform

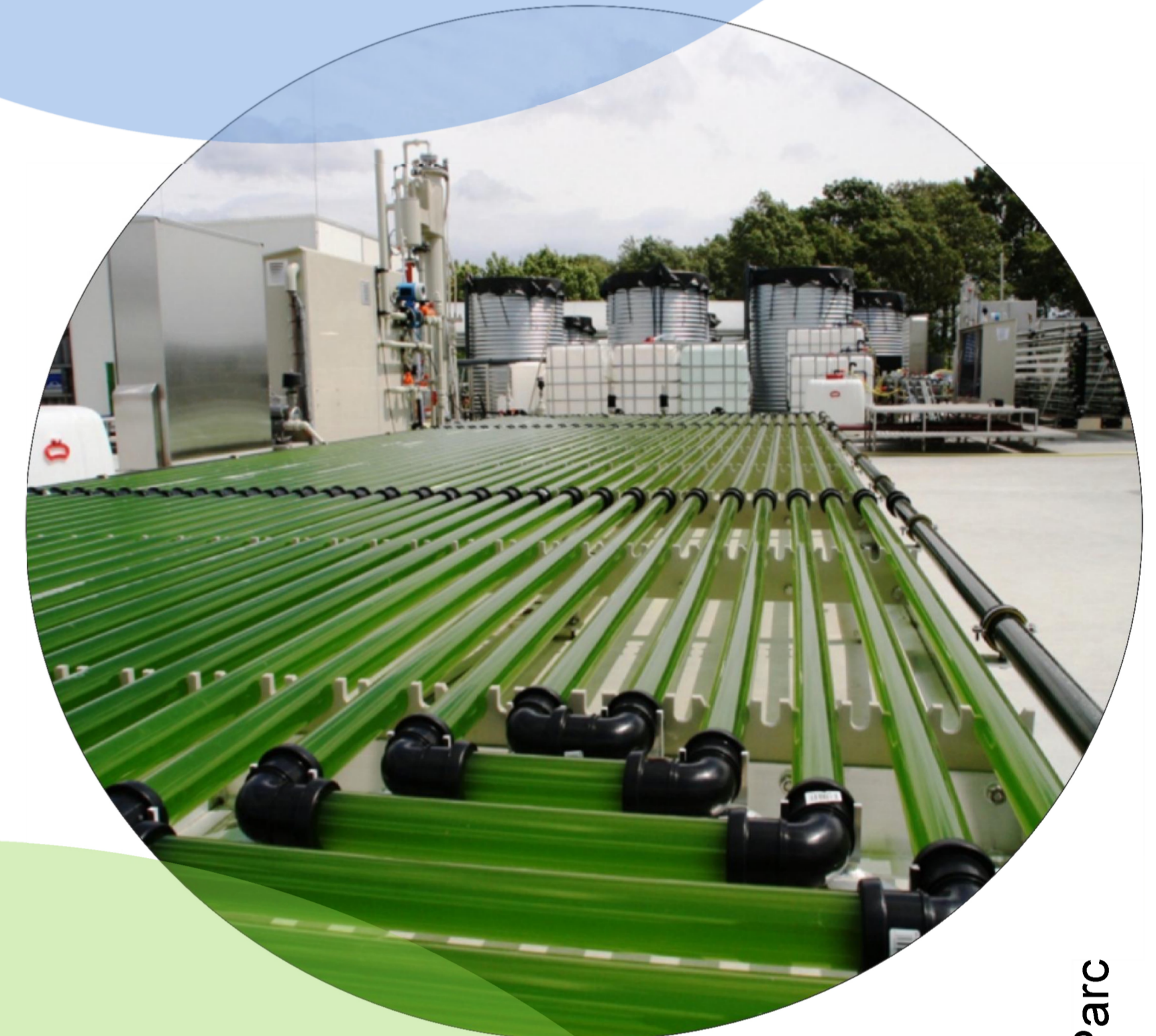
## Vlaams Algenplatform

### WHY MICROALGAE?

- **high productivity** in comparison with land plants
- **high-value bioproducts:**  $\omega$ -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 CO<sub>2</sub>** 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](http://www.vlaamsalgenplatform.be)



### 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

### 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
- ...

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