

**Shaping** the future proteins in Europe.

of microalgae

# Why Microalgae?

Future-proof food systems depend on alternative proteins that are more environmentally responsible, healthy and nutritious.

Microalgae have the potential to support the world's protein supply while creating a more sustainable and competitive agri-food industry.



**ProFuture** is a European-funded research project focused on boosting the production and use of microalgae protein-rich ingredients in food and feed.

Microalgae are trending novel proteins with an array of benefits:

## Rich nutritional value

- High-quality proteins.
- Polyunsaturated fatty acids.
- Bioactive compounds.

### Low ecological footprint

- Need few natural resources to grow.
- Can help reduce pollution by capturing CO2.

## Fast and efficient growth

• 4-15 higher productivity rates than other plant crops.

#### **ProFuture MICROALGAE VALUE CHAIN** The project follows a multilevel strategy from a lab to large **CONSUMER RESEARCH** scale, where 31 partners are • Consumer perception and working together to optimise acceptance the microalgae supply chain • Testing with real products from cultivation to plate. • Targeted communication **DISTRIBUTION & LOGISTICS** Regulation and compliance LCA and LCC • Responsible value chain Side-product valorization **FOOD & FEED DEVELOPMENT** MICROALGAE PRODUCTION • Bread, pasta, soups, sports drinks, **PROTEIN** Strain selection meat alternatives, vegetable cream Increase cost efficiency **PROCESSING** • Feeds (farm, aquaculture and pets) Reduce energy consumption • Whole dry cell Protein isolates • Side-products characterization

## In a nutshell, **ProFuture aims to:**



Make microalgae cultivation more efficient, sustainable and affordable.



Create nutritious and tasty foods and feeds using microalgae proteins.



Improve the production of protein-rich ingredients from microalgae biomasses.



Scale up production and seize the market for microalgae-based foods and feeds.

## Website & social media

www.pro-future.eu Facebook/profuture.eu2020

## **Contacts**

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