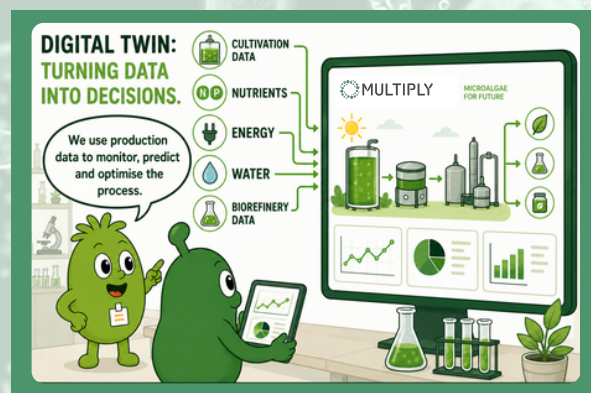
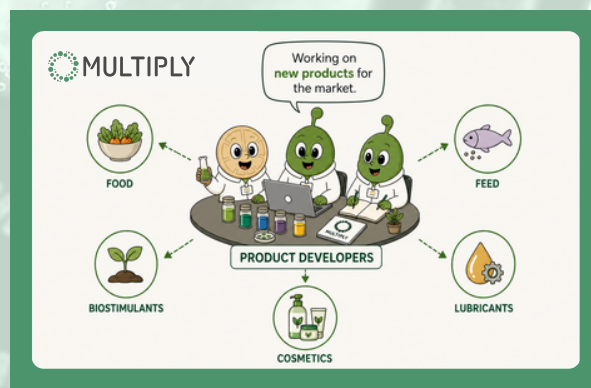
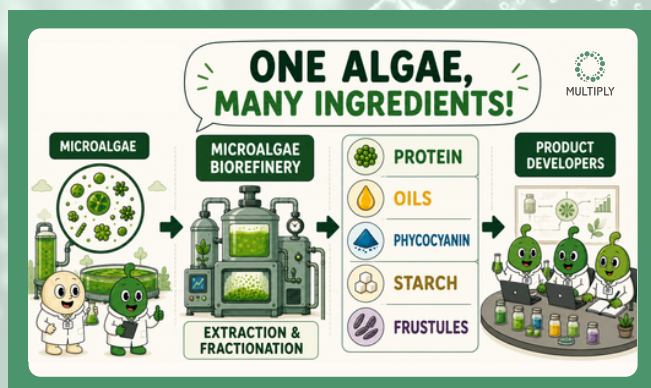


MULTIPLY

Date: 16.06.2026

MULTIPLY Newsletter -From project design to project flow

Things are starting to flow in **MULTIPLY**. From biomass exchange across the consortium to nutrient recovery pilots, digital twin development, sustainability work and new collaborations, the project is entering a more hands-on phase. In this edition, we show how partners are turning early planning into real progress across the value chain.



Co-funded by
the European Union



Circular
Bio-based
Europe
Joint Undertaking



Bio-based Industries
Consortium

From algae growth to data flow



Biorefinery: turning biomass into ingredients

Microalgae biorefinery is a key focus of MULTIPLY. The project is developing new extraction and fractionation approaches to recover multiple valuable ingredients from the same biomass while improving resource efficiency and reducing waste.

1. Microalgae production

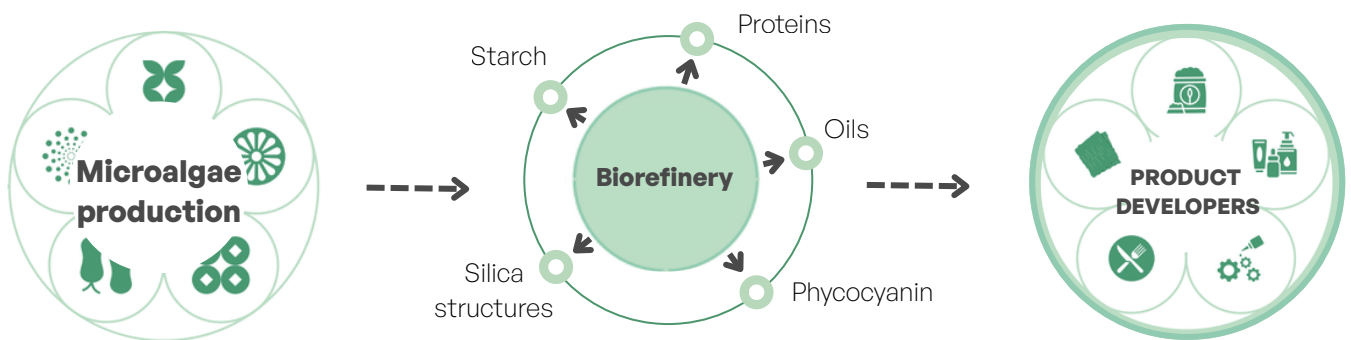
Different species are cultivated as biomass for new applications.

2. Biorefinery

The biomass is processed to recover ingredients.

3. Product developers

Partners use these ingredients to create new bio-based solutions.



Circularity in focus → Water and solvents are recycled where possible, while recovered nutrients are tested as inputs for new microalgae cultivation.



Digital twin: turning data into decisions

MULTIPLY is developing a **digital twin** to connect real production and biorefinery data with models and simulations, helping partners monitor, predict and optimise processes across the value chain.



MULTIPLY in Action: Recent Events

Environment

SETAC Europe 36th Annual Meeting

Aalborg University presented a dynamic LCA model for microalgae production linked to MULTIPLY's digital twin.

Cosmetics

Cosmetic Innovation Show

AIMPLAS presented MULTIPLY's algae-based natural polymers for personal care.

Packaging

Interpack 2026

AIMPLAS showcased MULTIPLY's bio-based and compostable packaging solutions.

Aquaculture

Seafood Expo Global

A4F engaged with aquaculture and feed sector players on MULTIPLY's sustainable feed solutions.



MULTIPLY timeline 2026

2026

- Robotic harvest system design finished + first tests start
- 1st Algae starch extracts supplied
- 1st oil extracts supplied

March

May

June

October

November

January

General Assembly #1

SSbD scoping

Use cases of the digital twins defined

General Assembly #2

LCA framework workshop - internal

Newsletter #3



Still algae-curious?

Connect with us on LinkedIn and explore the MULTIPLY website to see what's coming next.



Co-funded by
the European Union

