

EU project develops 10 algae-based products for 5 key sectors.

EU-funded MULTIPLY unites 17 partners to develop 10 microalgae-based alternatives for everyday products, aiming to reduce reliance on fossil and food-based resources.

Berlin, 24th of February 2026 – Launched in June 2025, the Horizon Europe project MULTIPLY brings together 17 partners from across Europe to develop and scale ten microalgae-based solutions for five industrial sectors. By replacing fossil- and food-based ingredients with bio-based ingredients, the project aims to reduce the environmental footprint of everyday products and bring algae-based alternatives closer to market.

Working with **5 microalgae** species – diatoms, *Arthrospira* (Spirulina), *Tetraselmis*, *Nannochloropsis* and *Chromochloris zoofingiensis* – MULTIPLY is developing **10 products** that show how algae can serve different markets, including:

- Food: natural colours and protein-rich ingredients
- Feed: a salmon feed component enriched with microalgal compounds
- Cosmetics: personal-care oils and esters
- Lubricants: bio-based esters for high-performance applications
- Biomaterials & packaging: compostable films, paper coatings and other packaging solutions based on algal oils and starch.

“*Microalgae powering a circular future sums up our approach*” says project coordinator Marta Paiva from A4F during the latest project review meeting in Berlin. “We focus on concrete products and sectors where algae can realistically replace conventional ingredients, supported by data on performance, sustainability and scalability.”

In the coming months, MULTIPLY will launch pilot nutrient-recovery activities, test a new monitoring tool and deliver the first algae extracts and oils for product development – key steps in bringing algae-based solutions closer to market. At the same time, the consortium will deepen sustainability and market-acceptance studies to prepare the ground for future algae-based products.

About MULTIPLY:

Do you want to know more about us? Check our website: <https://multiplyproject.eu/>

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