

**Project partners:**

1. A4F, Algafuel, SA (A4F)
2. Mikrobiologicky Ustav AV CR V.V.I (IMIC)
3. Forfarmers Corporate Services BV (FF)
4. Instituto de Biologia Experimental e Tecnológica (IBET)
5. International Flavors and Fragrances IFF (Nederland) BV (IFF)
6. Laboratorio Nacional de Energia e Geologia I.P. (LNEG)
7. Phycom BV (PHY)
8. Upfield Research and Development B.V. (UPF)

## MULTI-STR3AM

**A sustainable multi-strain, multi-method, multi-product microalgae biorefinery integrating industrial side streams to create high-value products for food, feed and fragrance**

**BBI-2019-SO1-D2 - Produce components for various materials, including for food and feed, from microalgae**

**Collaborative project**

**Start date of the project: 01/05/2020**

**Duration: 48 months**

**Deliverable 6.10**

**Press Release 2**

WP	6	Communication and dissemination
Task	6.3	Production and dissemination of a communication materials package (M1-M48)

Dissemination level <sup>1</sup>	PU	Due delivery date	30/04/2022
Nature <sup>2</sup>	DEC	Actual delivery date	13/04/2022

Lead beneficiary	A4F
Contributing beneficiaries	IBET

<sup>1</sup> Dissemination level: **PU** = Public, **CO** = Confidential, only for members of the consortium (including the BBI), **CI** = Classified, information as referred to in Commission Decision 2001/844/EC.

<sup>2</sup> Nature of the deliverable: **R**: Document, report (excluding the periodic and final reports), **DEM**: Demonstrator, pilot, prototype, plan designs, **DEC**: Websites, patents filing, press & media actions, videos, etc., **OTHER**: Software, technical diagram, etc.

WP 6:	A4F	<b>Author</b>
	A4F	Approval by WP leader
	A4F	Approval by coordinator

Document Version	Date	Partner	Comments <sup>3</sup>
V0	24/03/2022	A4F	Creation
V1	12/04/2022	A4F	Final Version

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<sup>3</sup> Creation, modification, final version for evaluation, revised version following evaluation, final

## **Deliverable abstract**

This delivery corresponds to the annual press release comprising achievements in the project during year 2 (May 2021, April 2022).

Linked to task 6.3, “Production and dissemination of a communication materials package”, this delivery aims to inform the public and all interested stakeholders about the ongoing work developed by MULTI-STR3AM consortium.

A press release consists of newsworthy information to the press or journalists. For this press release, the MULTI-STR3AM consortium chose to communicate the produced technical report with a comprehensive compilation and systematization of the existing EU regulation on the application of microalgae in the sectors of food and feed ingredients, and home and personal care products to support published a technical report with a comprehensive compilation and systematization of the existing EU regulation on the application of microalgae in the sectors of food and feed ingredients, and home and personal care products.

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## 1 Objective of the press release 2

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This annual press release aims to communicate the challenges and scientific and technological achievements in the project during year 2, from May 2021 to April 2022.

The press release 2 is entitled “Enabling a new and sustainable bioeconomy calls not only for investments in R&D, but also in a clear regulatory framework to incentivize innovators” and was published on 30<sup>th</sup> September 2021. The press release highlights the publication of the MULTI-STR3AM technical report that presents a comprehensive compilation and systematization of the existing European regulatory landscape applicable to the area of microalgae production and biorefinery (corresponding to the delivery D1.4). This report clarifies the different levels of enforcement of the described regulatory landscape, which includes Regulations, Directives, Decisions, Recommendations, Opinions, including international standards, guides and certification schemes for microalgae and microalgae products. The applicability of the report is not limited to microalgae, encompassing also cyanobacteria and labyrinthulomycetes, and targets the fields of food ingredients, feed ingredients and home and personal care products.

With this scenario, the strategy of the second press release was to communicate, to the media and important stakeholders, the importance of being informed and compliant with the requirements of the competent authorities and the needs of the market and the consumer. It also points out the need for standardization regarding the use of microalgae as alternative protein sources, since standards are essential for reliable products and processes, and will allow sustainable innovation.

This communication piece was shared with all partners and their communication departments, disclosed at the project website and partners social networks.

## 2 Press release content

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### **Enabling a new and sustainable bioeconomy calls not only for investments in R&D, but also in a clear regulatory framework to incentivize innovators**

MULTI-STR3AM, an EU-funded project designed to help close the gap between research and industrial scale on microalgae cultivation, published a technical report with a comprehensive compilation and systematization of the existing EU regulation on the application of microalgae in the sectors of food and feed ingredients, and home and personal care products. This report aims to support microalgae industry producers and end-users on the different regulatory needs for new formulations using microalgae derived products. However, it is stressed in the report that there is a need to improve the regulatory framework to facilitate the market of these new products.

#### Need for standardization regarding use of microalgae as alternative protein sources

Since 2016, the European Committee for Standardization Technical Body on Algae and algae products (CEN/ TC 454) has been working on technical standards to enable the harmonization of the terminology, sampling methods, testing methods, and specifications for different sector applications of algae, algae-based products, and their intermediaries into the market. However, we need to accelerate this process to have as soon as possible the necessary framework of technical standards for the proper introduction of these products in the European market.

#### Standardization as proof of reliability

Standardization has an important role to promote the use of microalgae and microalgae products because it improves the reliability of the supply chain, thereby improving the confidence of industry and consumers in these products, promoting and supporting commercialization of the European algae industry. Nick Major, Corporate Affairs Director ForFarmers about these developments: “The key requirements for the animal feed industry from the algae bio-refinery are a product with a high protein content which can be safely fed to animals.

To be successful it has to be GMP+ (Good Manufacturing Practice Systems) approved, consistent and available in sufficiently large volumes to have an impact on imported soy bean meal into the EU. Currently, we are not there yet.”

#### Sustainable alternative





Today, the European consumers demand more sustainable alternatives of raw materials. However, these need to reach the market with a given quality and safety that can be measurable and comparable. Thus, the MULTI-STR3AM consortium is accompanying the work of the European Commission (EC) on the standardization activities, to support with technical information and to guarantee all product requirements, in order to accelerate this process. This is vital to offer sustainable innovation to the market

*The Bio-based Industries Joint Undertaking's project MULTI-STR3AM addresses the challenges of scale of microalgae-based products by integrating sustainable multi-strain, multi-method and multi-product microalgae biorefinery in industrial side streams. This EU-funded project is designed to help close the gap between research and industrial scale on microalgae cultivation.*

*The MULTI-STR3AM project is coordinated by A4F – Algae for Future (PT), and brings together the companies ForFarmers (NL), International Flavors & Fragrances (IFF, NL), Phycom (NL), UpField (NL), and the R&D institutions IMIC CAS - Centre Algatech (CZ), Instituto de Biologia Experimental e Tecnológica (iBET, PT), and Laboratório Nacional de Energia e Geologia (LNEG, PT).*

More information: [www.multi-str3am.com](http://www.multi-str3am.com)

## 3 Final version



### Press Release

#### Enabling a new and sustainable bioeconomy calls not only for investments in R&D, but also in a clear regulatory framework to incentivize innovators

Lisbon, September 30<sup>th</sup>, 2021

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More information: [www.multi-str3am.com](http://www.multi-str3am.com)

Coordinator contact: Mariana Dória | A4F, Algae for Future | [mariana.doria@algafuel.pt](mailto:mariana.doria@algafuel.pt)

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