

# Project partners:

1. A4F, Algafuel, SA (A4F)
2. Mikrobiologický Ústav AV ČR V.V.I (IMIC)
3. Forfarmers Corporate Services BV (FF)
4. Instituto de Biología Experimental e Tecnológica (IBET)
5. International Flavors and Fragrances IFF (Nederland) BV (IFF)
6. Laboratorio Nacional de Energía e Geología 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 6.7

**Report on participation in knowledge-sharing events for year 2**

WP	6	Communication and dissemination
Task	6.4	Organisation of and participation in knowledge sharing events (M1-M48)

Dissemination level <sup>1</sup>	PU	Due delivery date	30/04/2022
Nature <sup>2</sup>	R	Actual delivery date	29/04/2022

Lead beneficiary	A4F
Contributing beneficiaries	IMIC, FF, IBET, IFF NL, LNEG, PHY, UpF

<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	Author
	A4F	Approval by WP leader
	A4F	Approval by coordinator

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V1	21/03/2022	A4F	Creation
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V3	20/04/2022	A4F	Modification
V4	22/04/2022	A4F	Modification
V5	27/04/2022	A4F	Revision
V6	29/04/2022	A4F	Final Version

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

## Deliverable abstract

This deliverable refers to all knowledge-sharing events, such as networking events, industry salons and conferences, for year 2, to disseminate results and gain relevant knowledge.

This deliverable is part of Task 6.4, on the “Organisation of and participation in knowledge sharing events”. The goal is twofold: to promote the project results and contribute to the awareness of potential of microalgae as a source of food and feed ingredients as well as high-value compounds.

The second year (M13-M24) was defined by the dissemination plan as the first part of the dissemination development phase. The main objective was to increase visibility, mostly through communication activities: conferences, articles, press releases, website and other social media avenues; with the participation of all partners.

Although the pandemic restricted any face-to-face meeting and events, the consortium was able to take part in 34 dissemination and communication activities.

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## **2. Dissemination and Communication Activities**

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The MULTI-STR3AM consortium is concerned to give fair publicity to the project and its innovative applications, in favour of the dissemination of scientific and technological knowledge and communicate with policy makers and consumers about characteristics and advantages of these new products.

The deliveries on Dissemination Plan (D6.1, D6.8) and Communication Plan (D6.2, D6.9) detail the overall goals of these activities, important stakeholders and key messages to address, besides the performance indicators (KPIs).

### ***Objectives of the second year***

The second year (M13-M24) was defined by the dissemination development phase. This phase of the dissemination plan has as main goal to sustain and increase visibility and engagement of the target groups defined. This phase has been implemented by each partner and the consortium alike, investing on disseminating the project's results in conferences, articles, press releases, website and social media.

In terms of dissemination, the project partners will benefit from the awareness raised through communication activities to identify any low hanging fruits that can later benefit dissemination efforts.

## **3. Activities carried out for the period M13-M24 (May 2021-April 2022)**

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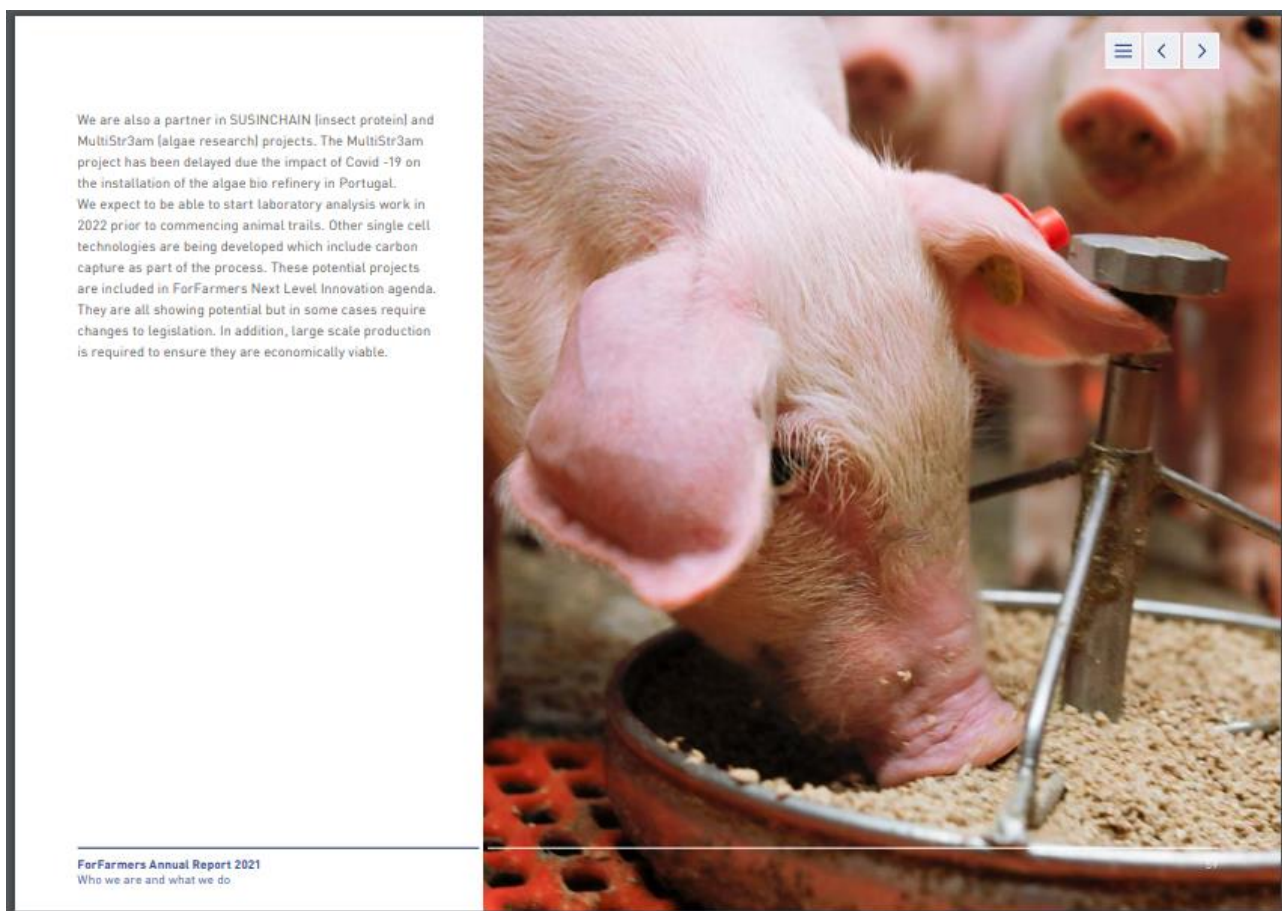
In total, 34 activities were identified by the MULTI-STR3AM consortium (M13-M24 but also counting activities of year 1 that were not reported previously), all online basis given the current pandemic situation. In this section, all these activities will be briefly described according to the different means of dissemination.

Number of persons reached was estimated per each activity, and classified among scientific community, industry representatives, general public, policy makers, media, investors and customers.

### ***3.1 Non-scientific and non-peer-reviewed publication (popularised publication)***

Non-scientific publications target mostly the general public, industry and policy makers. For media coverage, articles with a general description of the project have been prepared for publications in outlets such as specialised blogs, national and regional newspapers.

### 3.1.1 Mention to the MULTI-STR3AM @ For Farmers Annual Report – Going Circular



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
FF	24 <sup>th</sup> February 2022	Online	<a href="https://www.forfarmersgroup.eu/en/bestanden/ForFarmers_Group/Annual-Report-2021-content/63929-1/FORFARMERS_JV2021_ENG_L.pdf">https://www.forfarmersgroup.eu/en/bestanden/ForFarmers_Group/Annual-Report-2021-content/63929-1/FORFARMERS_JV2021_ENG_L.pdf</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							

### 3.1.2 Talk about algal biotechnology in the regional Czech Radio (Communication Campaign)

#### Dopolední host

Přírodovědec, etnolog, fotograf, cestovatel - Richard Lhotský

→ Stránka pořadu



**České Budějovice**

U mikrofonu s Kateřinou Hálovou.

28. ledna 2021, 10:00

#### Více z pořadu

☰ Od nejnovějšího

☐ Zobrazit jen přehratelné

- Dopolední host**

Kdo je doopravdy ten hodný bezdomovec v kloboučku?

⌚ 30:38 26. dubna 2022, 19:57
- Dopolední host**

Mírné zdražení se nevyhne ani vstupnému do památkových objektů, návštěvnost poznamenal covid

⌚ 29:17 22. dubna 2022, 19:00
- Dopolední host**

Už více než 40 procent cenných přírodních oblastí na Ukrajině je zasaženo válkou, upozorňuje ekolog

⌚ 25:08 21. dubna 2022, 19:00
- Dopolední host**

Buru buru a poka poka. Inspirovat k tvoření nových slov chtějí ve zvukomalebné knize Hiromi a Pavel Janšovi

⌚ 28:56 20. dubna 2022, 19:00

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
IMIC	28 <sup>th</sup> January 2021	Online	<a href="https://www.mujirozhlas.cz/dopoledni-host/prirodovedec-etnolog-fotograf-cestovatel-richard-lhotsky">https://www.mujirozhlas.cz/dopoledni-host/prirodovedec-etnolog-fotograf-cestovatel-richard-lhotsky</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached			15000					15000



## 3.2 Scientific and peer-reviewed publications

### 3.2.1 Publication of a research article by IBET and A4F @ Membranes - MDPI



Article

## ***Nannochloropsis* sp. Biorefinery: Recovery of Soluble Protein by Membrane Ultrafiltration/Diafiltration**

Cláudia Ribeiro <sup>1,2</sup>, Edgar T. Santos <sup>2,\*</sup>, Luís Costa <sup>2</sup>, Carla Brazinha <sup>1,\*</sup>, Pedro Saraiva <sup>3,4</sup> and João G. Crespo <sup>1</sup>

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<sup>2</sup> A4F—Algae for Future, Campus do Lumiar, Estrada do Paço do Lumiar, Edif. E, R/C, 1649-038 Lisboa, Portugal; luis.costa@algafuel.pt

<sup>3</sup> CIEPQPF, Chemical Engineering Department, FCT, University of Coimbra, 3030-790 Coimbra, Portugal; pas@eq.uc.pt

<sup>4</sup> Dean of NOVA IMS, NOVA University of Lisbon, 1070-312 Lisboa, Portugal

\* Correspondence: edgar.santos@algafuel.pt (E.T.S.); c.brazinha@fct.unl.pt (C.B.); Tel.: +351-21-807-24-99 (E.T.S.); +351-21-294-83-85 (C.B.)

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
IBET and A4F	2 <sup>nd</sup> April 2022	Online	<a href="https://doi.org/10.3390/membranes12040401">https://doi.org/10.3390/membranes12040401</a>					1 442.74€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	345							345

### 3.3 Participation in activities organised jointly with other EU project(s)

#### 3.3.1 Presentation of the MULTI-STR3AM project at the webinar organized by the Bio Based Industries Consortium

**Multi-Str3am Project**

- Type: Demonstrator
- Total Budget: 9 M€
- Grant amount: 6.5 M€
- Duration: 48 Months (4 years)
- Coordinator: A4F

**Partners: 8 Partners**

- 5 companies
  - 1 Technology Provider
  - 1 Biomass Producer
  - 3 Final Users & Raw material providers
- 3 Research Institutes

**Objectives**

- Improve Biomass Productivity
- Reduce Capital and Operational Costs
- Demonstrate biomass utilization and Valorization in 7 consumer products

The slide also features logos for partners like phycom, Upfield, farmers, iff, A4F, IBET, and LNEG, along with a map of Europe showing project locations.

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	10 <sup>th</sup> February 2022	Online	<a href="https://mailchi.mp/827641863248/lca_sustainability-13709597?e=b59d226791">https://mailchi.mp/827641863248/lca_sustainability-13709597?e=b59d226791</a>					0.00€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	43	18						61

### 3.4 Participation to a Workshop

#### 3.4.1 IBET Participation on the EABA Workshop Online – Algae standardization status and prospects

Participation of Teresa CRESPO and Frédéric GASPARD and pitch presentation of participants including the MULTI-STR3AM project.



Partner	Date	Online/ Offline	Means of verification, References & Links						Funding Amount Used
IBET	29 <sup>th</sup> May 2022	Online	<a href="https://algaeworkshops.org/algae-standardization-status-and-prospects/">https://algaeworkshops.org/algae-standardization-status-and-prospects/</a>						390.00€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total	
Persons reached	Unknown								

### 3.5 Training

#### 3.5.1 Lecture to the Erasmus Mundus students of BIOCEB – European Master in Biological and Chemical Engineering for a Sustainable Bioeconomy – Focus on MULTI-STR3AM's TEA and LCA activities

Partner	Date	Online/ Offline	Means of verification, References & Links						Funding Amount Used
LNEG	16 <sup>th</sup> March 2022	Online	-						0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total	
Persons reached	10								

### 3.5.2 Scientific School - Microalgae-based Biorefineries: a step forward a real circular bioeconomy @ Yerevan, Armenia

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
LNEG	20 <sup>th</sup> October 2021	Online	Restricted to enrolled students					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	25							25

### 3.5.3 Workshop for students of HLUW Yspertal, Austria

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
IMIC	1 <sup>st</sup> July 2021	Offline	-					0.00€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	4		15					19

### 3.6 Participation to a Conference

#### 3.6.1 Participation to the BioTech Czech-Swiss Symposium with exhibition - presentation of José Cheel

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
IMIC	16-19 <sup>th</sup> June 2020	Online	Book of Abstract page 50 - <a href="https://www.biotech2020.cz/domains/biotech2020.cz/data/uploads/Book_of_abstracts_BioTech2020.pdf">https://www.biotech2020.cz/domains/biotech2020.cz/data/uploads/Book_of_abstracts_BioTech2020.pdf</a>					283.02€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	255							255

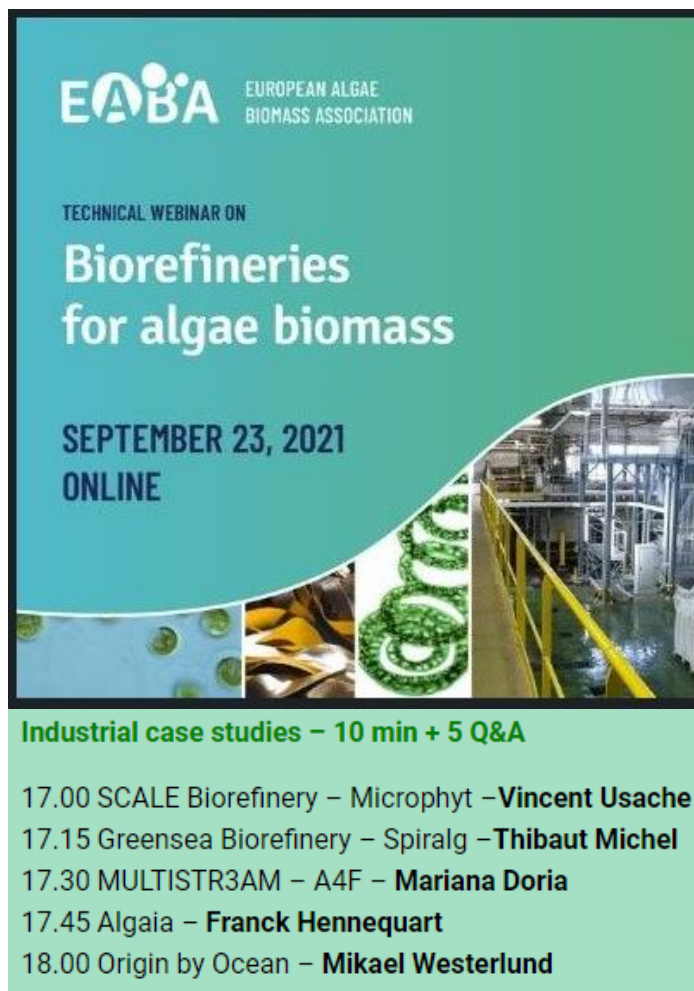
#### 3.6.2 Participation to the BioTech Czech-Swiss Symposium with exhibition - presentation of Daniela Bárcenas Pérez

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
IMIC	16-19 <sup>th</sup> June 2020	Online	Book of Abstract page 51 - <a href="https://www.biotech2020.cz/domains/biotech2020.cz/data/uploads/Book_of_abstracts_BioTech2020.pdf">https://www.biotech2020.cz/domains/biotech2020.cz/data/uploads/Book_of_abstracts_BioTech2020.pdf</a>					454.86€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	255							255

### 3.6.3 Presentation of MULTI-STR3AM project @ Biotechnology to build a brighter future: Food, Health and Environment Applications

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	10 <sup>th</sup> May 2021	Online	<a href="https://www.youtube.com/watch?v=C6r5gjAPmcg&amp;t=5885s">https://www.youtube.com/watch?v=C6r5gjAPmcg&amp;t=5885s</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	35	20		5	7	5	16	88

### 3.6.4 Presentation of MULTI-STR3AM project @ EABA technical webinar Biorefineries for algae biomass



**EABA** EUROPEAN ALGAE BIOMASS ASSOCIATION

TECHNICAL WEBINAR ON

## Biorefineries for algae biomass

SEPTEMBER 23, 2021  
ONLINE

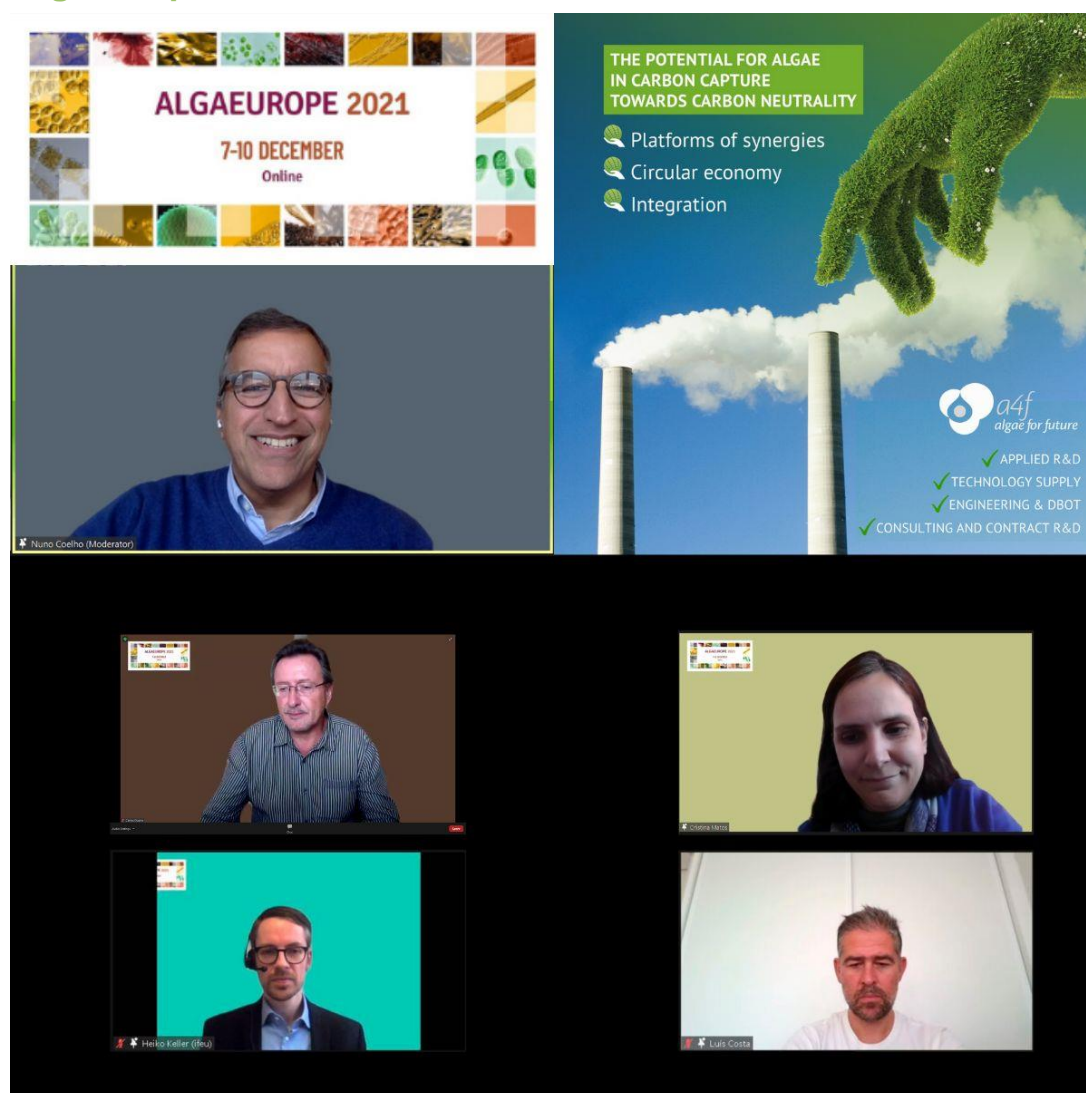
**Industrial case studies – 10 min + 5 Q&A**

17.00 SCALE Biorefinery – Microphyt – **Vincent Usache**  
 17.15 Greensea Biorefinery – Spiralg – **Thibaut Michel**  
 17.30 MULTISTR3AM – A4F – **Mariana Doria**  
 17.45 Algaia – **Franck Hennequart**  
 18.00 Origin by Ocean – **Mikael Westerlund**

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	23 <sup>rd</sup> September 2021	Online	<a href="https://algaeworkshops.org/biorefineries-for-algae-biomass/">https://algaeworkshops.org/biorefineries-for-algae-biomass/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							



### 3.6.5 Participation and Dissemination of MULTI-STR3AM project @ AlgaEurope 2021



Partner	Date	Online/Offline	Means of verification, References & Links					Funding Amount Used
A4F	7 <sup>th</sup> December 2021	Online	<a href="https://algaeurope.org/conference-program-2021/">https://algaeurope.org/conference-program-2021/</a>					2 000.00€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							



## 3.7 Press release

### 3.7.1 Press Release announcing the report on EU regulation on the application of microalgae in the sectors of food and feed ingredients and home personal care products

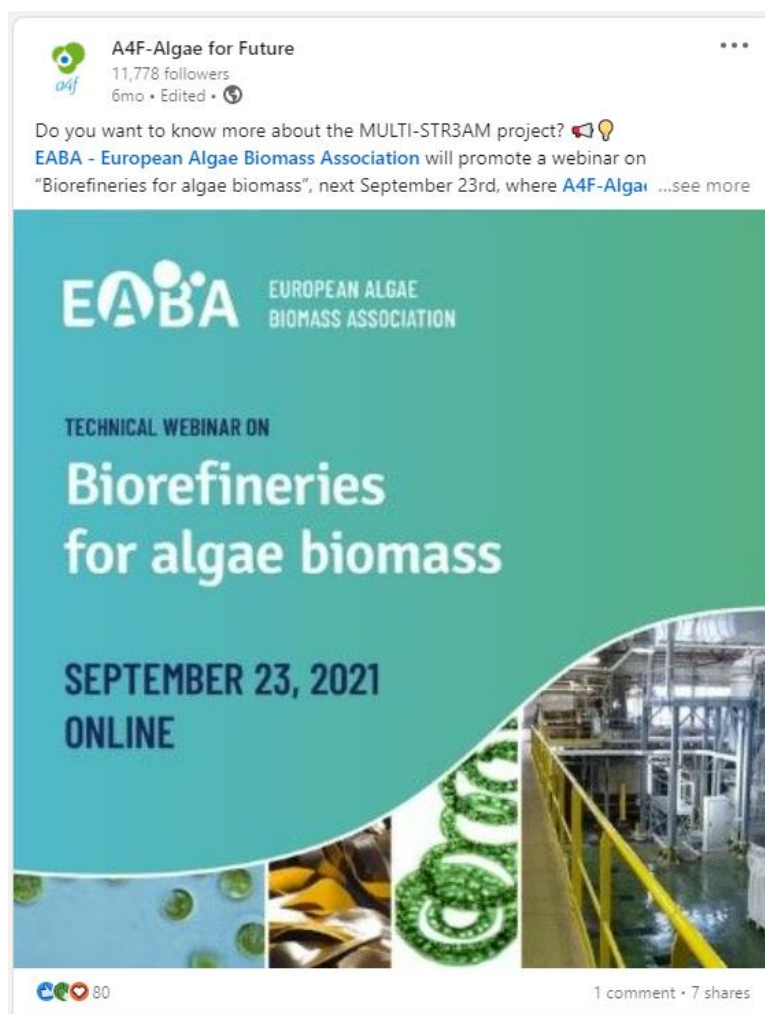


This project has received funding from the Bio Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No 887227

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	8 <sup>th</sup> October 2021	Online	<a href="https://www.multi-str3am.com/files/1633691765_4b406f9a2a70c3ed35abfd8b28589fe2_2021-09-30-multi-str3am-press-release.pdf">https://www.multi-str3am.com/files/1633691765_4b406f9a2a70c3ed35abfd8b28589fe2_2021-09-30-multi-str3am-press-release.pdf</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							

## 3.8 Social Media

### 3.8.1 Announcement of the MULTI-STR3AM participation at EABA online event Biorefineries for algae biomass @ A4F LinkedIn account (12,087 followers)



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	20 <sup>th</sup> September 2021	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6845606470168449024">https://www.linkedin.com/feed/update/urn:li:activity:6845606470168449024</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	1000	2000	600	50	100	70	947	4767

### 3.8.2 Announcement of the MULTI-STR3AM participation at online event Biotechnology Innovations for the Cosmetic Industry @ A4F LinkedIn account (12,087 followers)



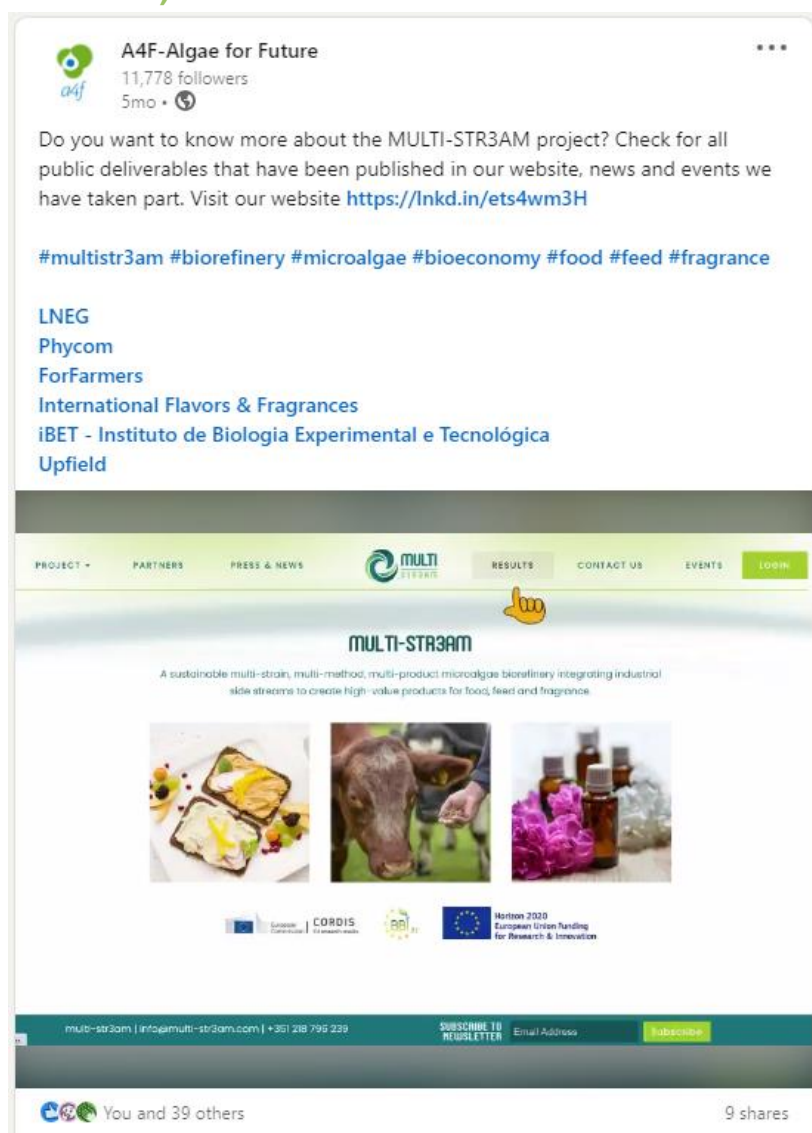
Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	17 <sup>th</sup> March 2020	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6777892582912536576/">https://www.linkedin.com/feed/update/urn:li:activity:6777892582912536576/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b>	1179	659	458	201	142	238	954	3831

### 3.8.3 Announcement of the MULTI-STR3AM press release “Enabling a new and sustainable bioeconomy calls not only for investments in R&D” @ A4F LinkedIn account (12,087 followers)



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	8 <sup>th</sup> October 2021	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6852211644500623360/">https://www.linkedin.com/feed/update/urn:li:activity:6852211644500623360/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	1450	1000	250	82	35	156	500	3473

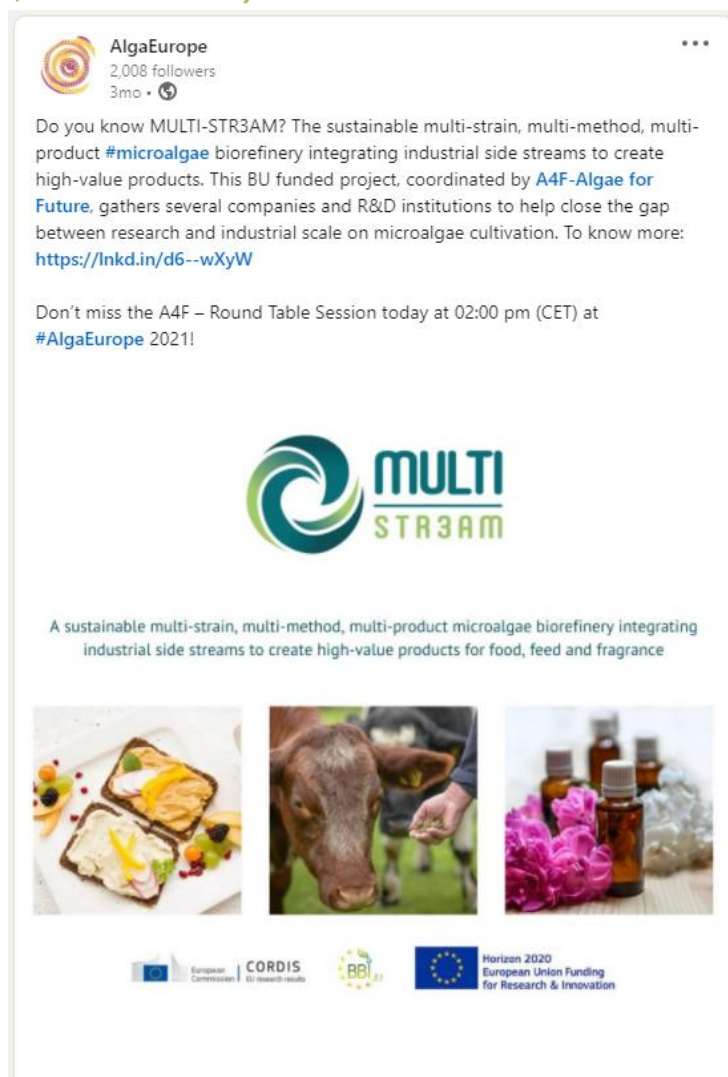
### 3.8.4 Announcement of the MULTI-STR3AM website @ A4F LinkedIn account (12,087 followers)



Partner	Date	Online/Offline	Means of verification, References & Links					Funding Amount Used
A4F	21 <sup>st</sup> October 2021	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6856919475934027776/">https://www.linkedin.com/feed/update/urn:li:activity:6856919475934027776/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	300	200	50	30	20	40	300	940

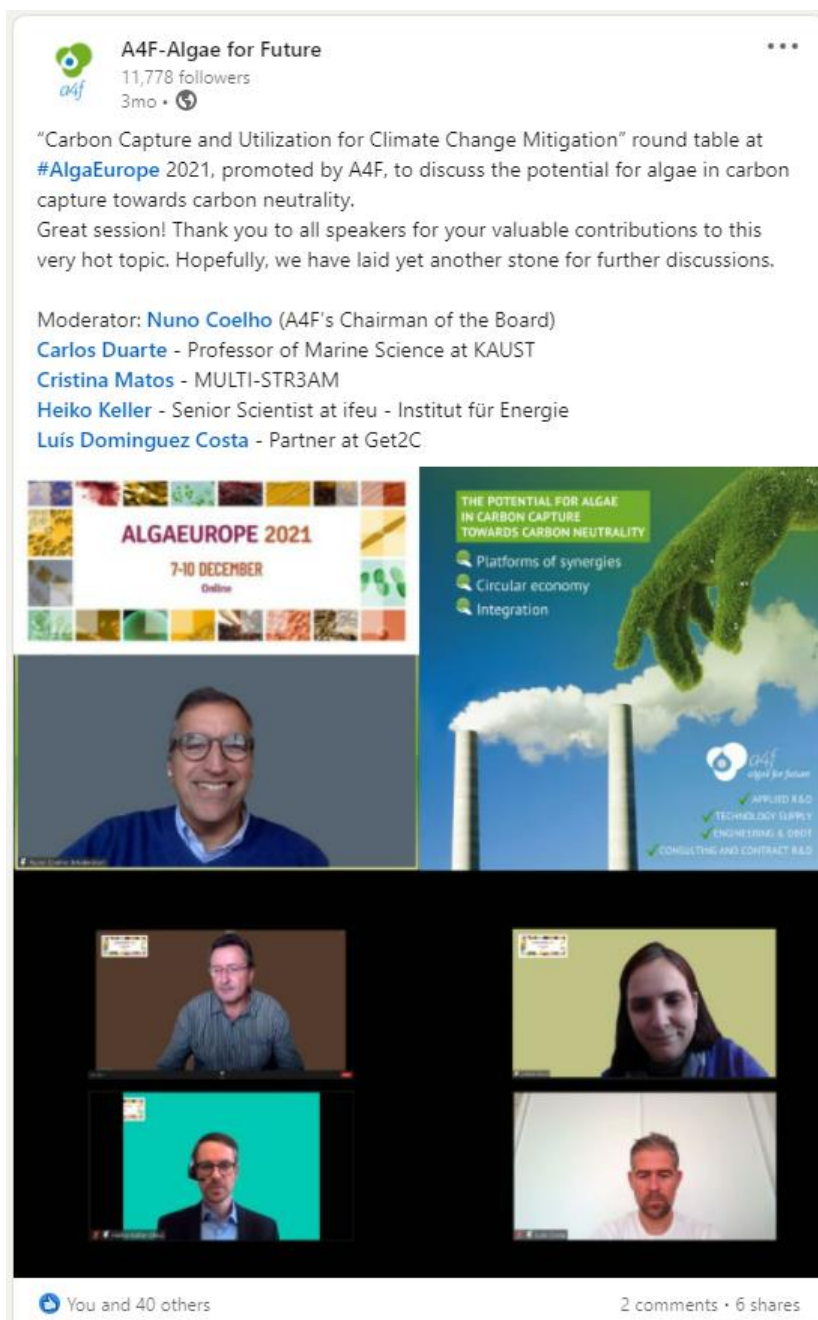


### 3.8.5 Announcement of the MULTI-STR3AM project @ AlgaEurope LinkedIn account (2,389 followers)



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	December 2021	Online	<a href="https://www.linkedin.com/posts/algaeurope_microalgae-algaeurope-activity-6874321908461010944-WqgW/">https://www.linkedin.com/posts/algaeurope_microalgae-algaeurope-activity-6874321908461010944-WqgW/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							

### 3.8.6 Announcement of the presentation of MULTI-STR3AM project at AlgaEurope 2021 @ A4F LinkedIn account (12,087 followers)



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	8 <sup>th</sup> December 2021	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6874362145019084800/">https://www.linkedin.com/feed/update/urn:li:activity:6874362145019084800/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b>	1200	830	431	70	300	230	200	3261

### 3.8.7 Creation of the LinkedIn MULTI-STR3AM account (171 followers at 31<sup>st</sup> March)

**MULTI-STR3AM** Super admin view [View as member](#)

**All Pages** Products Content Analytics Activity 3 Admin tools

**Build Your Page**  
Complete actions to unlock new features along the way. On average, completed pages get 30% more traffic. [Learn more](#)

**MULTI-STR3AM**  
A sustainable multi-biorefinery for microalgae integrating industrial side streams to create high-value products  
Research Services · **351 followers**

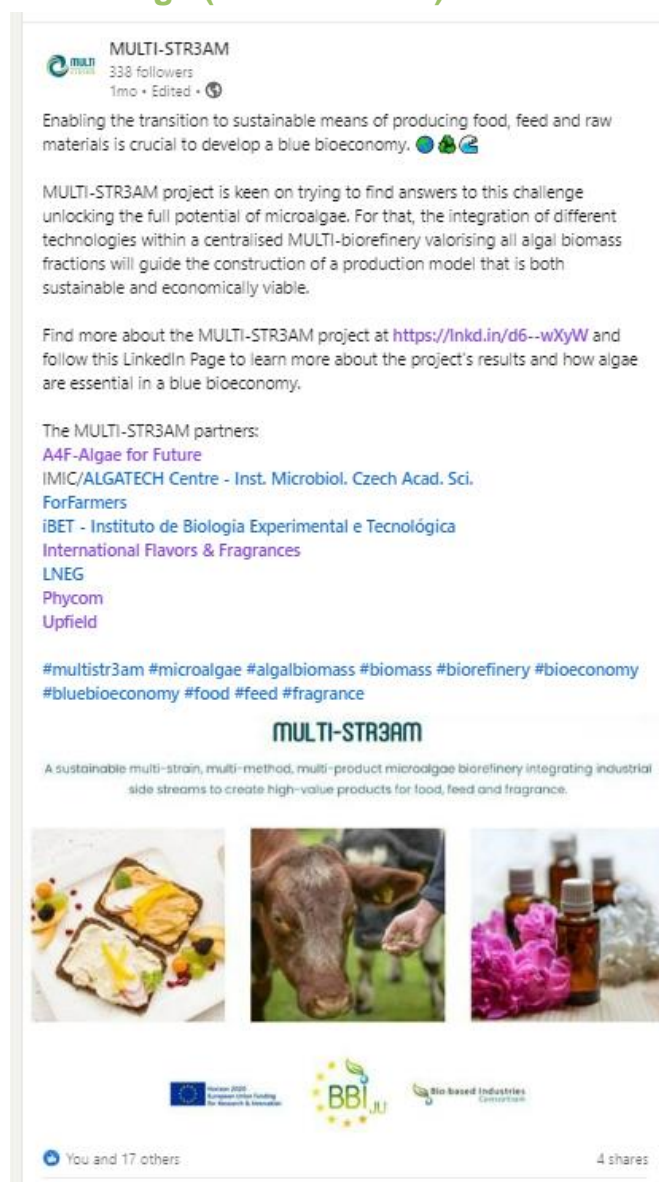
[Edit Page](#) [Share Page](#)

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	21 <sup>st</sup> to 31 <sup>st</sup> March 2022	Online	<a href="https://www.linkedin.com/company/multi-str3am">https://www.linkedin.com/company/multi-str3am</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b>	70	61	23			9	8	171

By the end of M24 the LinkedIn page has already reached 351 followers.



### 3.8.8 Announcement of the MULTI-STR3AM project – first post @ MULTI-STR3AM LinkedIn Page (351 followers)



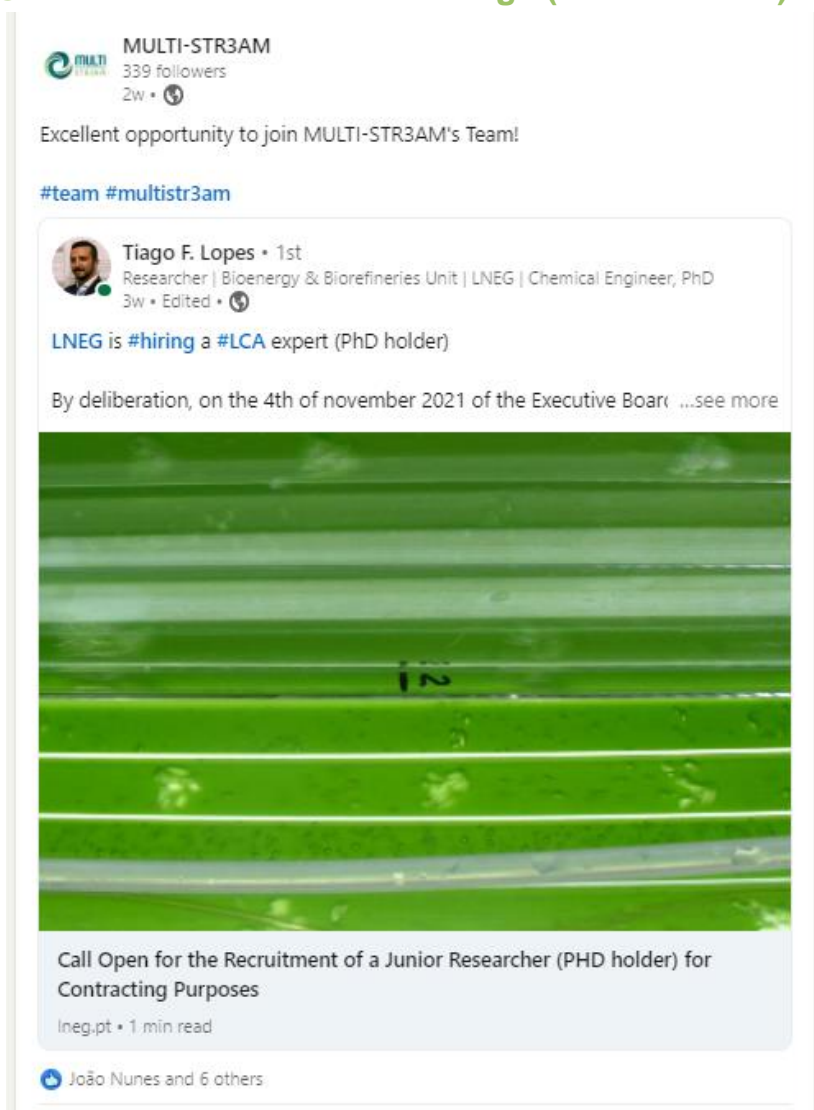
Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	22 <sup>nd</sup> March 2022	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6911981802001690624">https://www.linkedin.com/feed/update/urn:li:activity:6911981802001690624</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	168	65	113	23	34	35	52	490

### 3.8.9 Announcement of the classification of *Chlorella* strains as traditional food (not novel food) @ MULTI-STR3AM LinkedIn Page (351 followers)



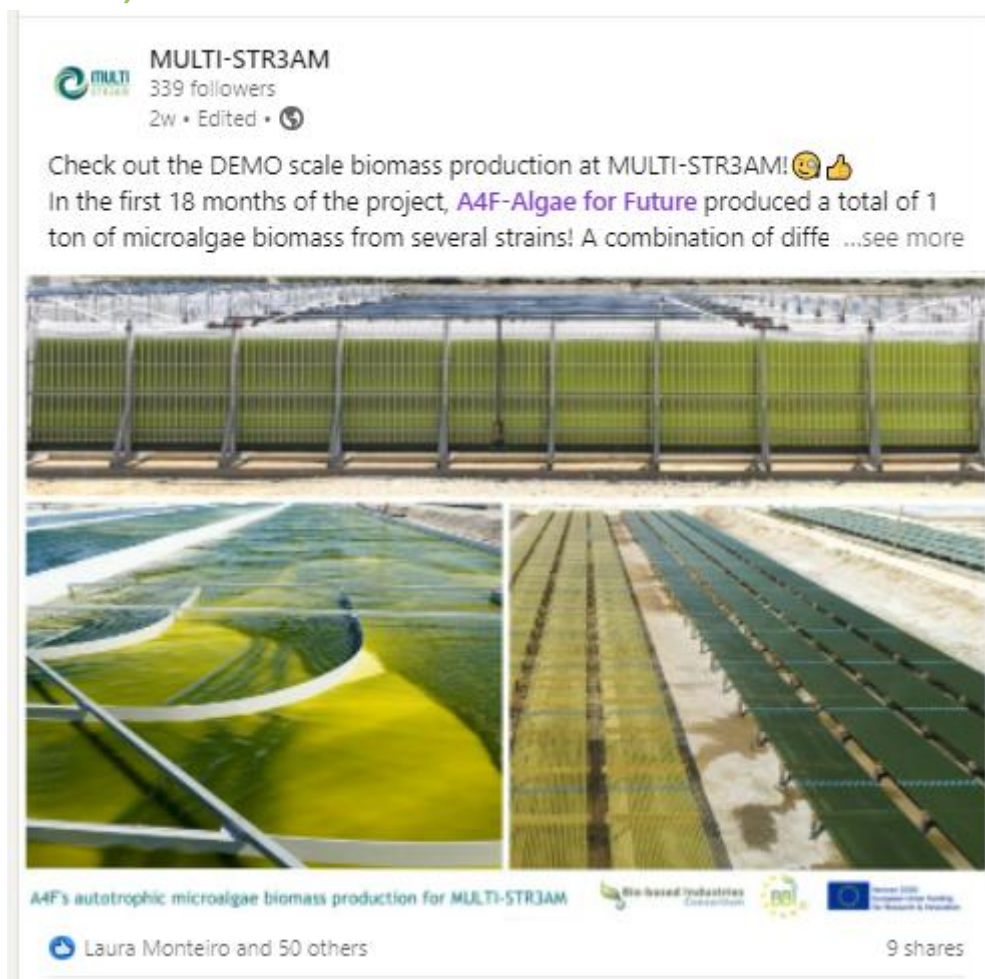
Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	24 <sup>th</sup> March 2022	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6912738916177436672">https://www.linkedin.com/feed/update/urn:li:activity:6912738916177436672</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	413	287	148	39	58	38	104	1087

### 3.8.10 Announcement of the opportunity to join MULTI-STR3AM's team at LNEG @ MULTI-STR3AM LinkedIn Page (351 followers)



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	31 <sup>st</sup> March 2022	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6915248318872707072">https://www.linkedin.com/feed/update/urn:li:activity:6915248318872707072</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	89	74	76	16	13	14	20	302

### 3.8.11 Announcement of the DEMO scale biomass production at A4F for the MULTI-STR3AM project @ MULTI-STR3AM LinkedIn Page (351 followers)



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	5 <sup>th</sup> April 2022	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6917104230625333248">https://www.linkedin.com/feed/update/urn:li:activity:6917104230625333248</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b>	416	337	240	62	23	21	38	1137

### 3.8.12 Announcement of the main activities of Phycom at the MULTI-STR3AM project @ MULTI-STR3AM LinkedIn Page (351 followers)

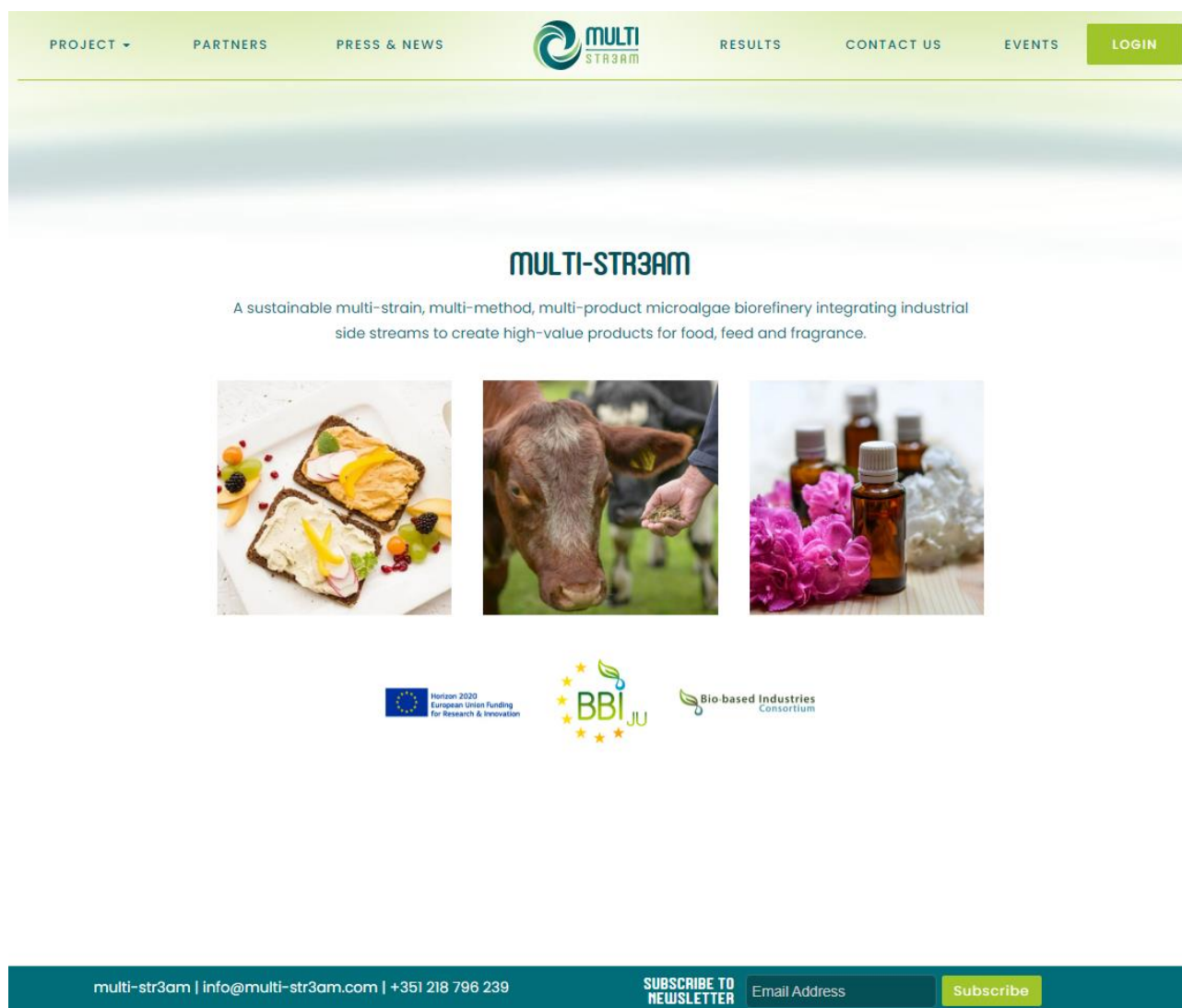


Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F and PHY	11 <sup>th</sup> April 2022	Online	<a href="https://www.linkedin.com/feed/update/urn:li:activity:6919214375962566656">https://www.linkedin.com/feed/update/urn:li:activity:6919214375962566656</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	158	142	64	14	10	19	39	446



## 3.9 Website

### 3.9.1 MULTI-STR3AM website deployment



Partner	Date	Online/Offline	Means of verification, References & Links					Funding Amount Used
A4F	1 <sup>st</sup> September 2021	Online	<a href="https://www.multi-str3am.com/en">https://www.multi-str3am.com/en</a>					2 100.00€
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	100	100	100		2		50	352

### 3.9.2 Article on the MULTI-STR3AM project @ FF website



The screenshot shows the ForFarmers website with a navigation bar including Home, Sustainability, News, Widespread application of algae requires better legislation, and Apply for. The article title is 'Widespread application of algae requires better legislation' dated 9 November 2021. The text discusses the MULTI-STR3AM algae project, its goals, and the importance of standardisation and legislation. A quote from Lara olde Bolhaar, a nutritionist at ForFarmers' NIC, explains why standardisation is important. The article also mentions that the report helps microalgae producers and end users to navigate through the legislative forest. A link to the report is provided: <https://www.forfarmersgroup.eu/en/sustainability/news/widespread-application-of-algae-requires-better-legislation.aspx>. The article is shared on social media (LinkedIn, Facebook, Twitter, Email, Print).

#### Why is standardisation so important?

Standardisation improves the supply chain reliability. It makes quality and safety measurable and comparable, giving industry and consumers more confidence in these products. Only then will the application of microalgae be able to take off and allow the European algae industry to grow to a commercially interesting and viable size.

#### Our expert explains



Lara olde Bolhaar

Lara olde Bolhaar, who is closely involved with various algae research projects within her role as nutritionist at ForFarmers' NIC, explains why standardisation is so important: "Certain parts of the algae are very interesting for the animal feed industry, as a result of their high protein content. However, we need to be sure that we can safely feed these products to animals. This is why they need to be GMP+\*) approved and reliable. Standardisation is therefore very relevant. And if we really want to become less dependent on imported protein sources, such as soy flour, then a sufficient quantity of the products must be made available. We haven't quite reached this stage yet. That's why it's good and logical that MULTI-STR3AM is devoting a great deal of energy to accelerating this process. This is of vital importance if we want to introduce sustainable innovation to the market."

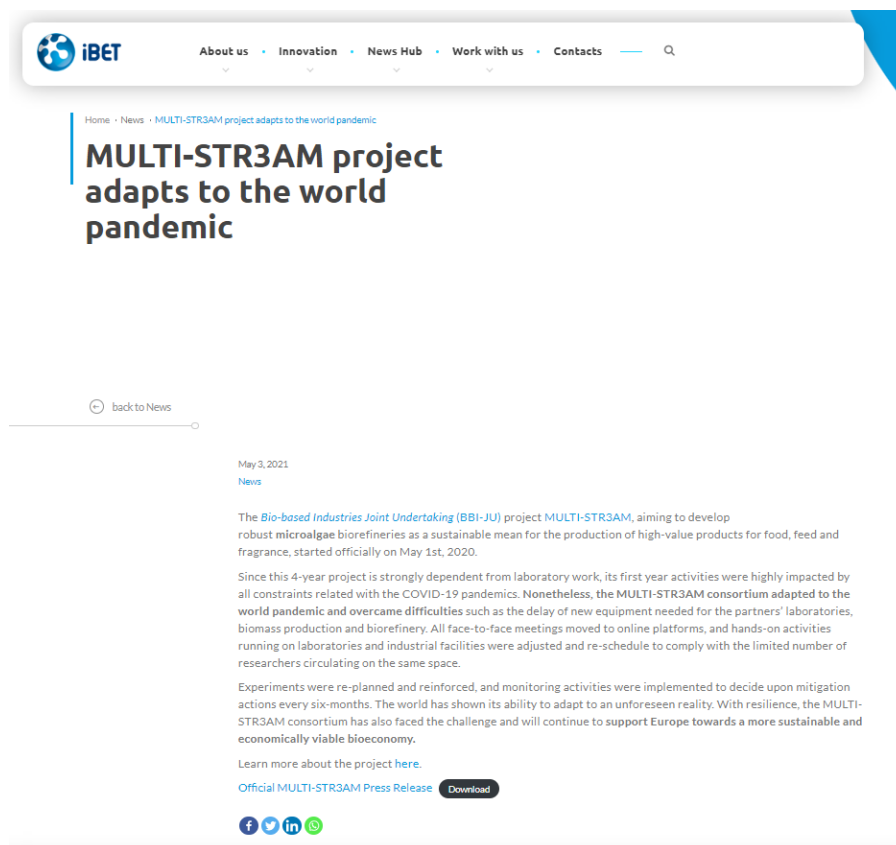
\*) GMP+ stands for Good Manufacturing Practice, or rather an effective way of producing. The GMP standard provides an A to Z account of how a product is composed and produced. The Plus indicates that the HACCP standard has also been included in the GMP standard.

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< Back to overview

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
FF	9 <sup>th</sup> November 2021	Online	<a href="https://www.forfarmersgroup.eu/en/sustainability/news/widespread-application-of-algae-requires-better-legislation.aspx">https://www.forfarmersgroup.eu/en/sustainability/news/widespread-application-of-algae-requires-better-legislation.aspx</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							

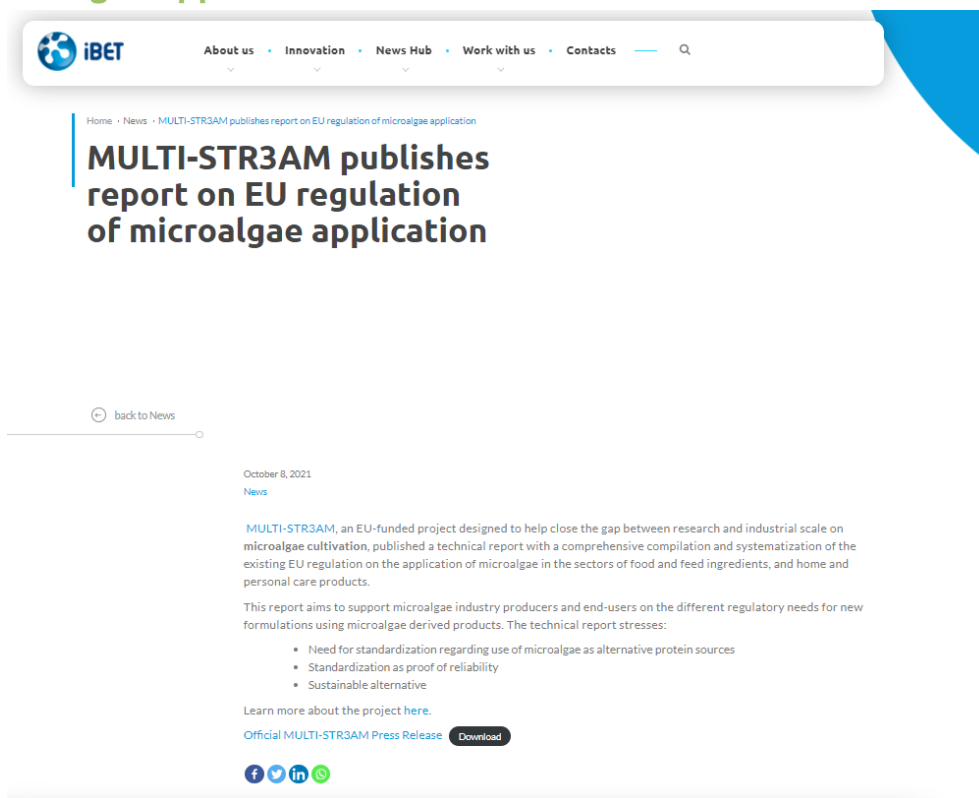
### 3.9.3 Article about how MULTI-STR3AM has adapted through the pandemic @ iBET website



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
iBET	3 <sup>rd</sup> May 2021	Online	<a href="https://www.ibet.pt/multi-str3am-project-adapts-to-the-world-pandemic/">https://www.ibet.pt/multi-str3am-project-adapts-to-the-world-pandemic/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							



### 3.9.4 Article about MULTI-STR3AM publishing report on EU regulation of microalgae application @ iBET website



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
iBET	8 <sup>th</sup> October 2021	Online	<a href="https://www.ibet.pt/multi-str3am-publishes-report-on-eu-regulation-of-microalgae-application/">https://www.ibet.pt/multi-str3am-publishes-report-on-eu-regulation-of-microalgae-application/</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							

## 3.10 Other

### 3.10.1 MULTI-STR3AM project taken up in IFF sustainability report 2020



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
IFF	18 <sup>th</sup> May 2021	Online	<a href="https://www.iff.com/sites/iff-corp/files/iff-sustainability-report-2020-051221-final.pdf">https://www.iff.com/sites/iff-corp/files/iff-sustainability-report-2020-051221-final.pdf</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached		1000	100			50	1000	2150

### 3.10.2 Highlight of MULTI-STREAM project on iBET Newsletter

**Projetos  
Projects**



## 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

**O** iBET integra um consórcio na área de inovação industrial que reúne diversos institutos de R&D de prestígio. Este consórcio recebeu financiamento pela *European Union's Bio-based Industries Joint Undertaking (BBI-JU)* para o projeto MULTI-STR3AM, que pretende desenvolver biorefinarias de microalgas como um meio sustentável para a obtenção de produtos de valor acrescentado para uso como suplementos alimentares, rações para animais e fragrâncias. As microalgas têm um elevado potencial biossintético e são uma fonte de lípidos, proteínas e compostos de valor, como pigmentos. No entanto, apesar das suas características, as microalgas e seus derivados são ainda produtos muito subexplorados. O MULTI-STR3AM abordará os desafios dos custos, escala e sustentabilidade, para criar uma solução que garanta a viabilidade económica, o cultivo à escala industrial e o processo de biorefinaria das microalgas. O projeto MULTI-STR3AM é coordenado pela empresa portuguesa *Algae for Future* e financiado com um total de 9 milhões de euros.

*iBET is part of a consortium of prestigious European institutes in focusing industrial innovation. This consortium has received funding from the European Union's Bio-based Industries Joint Undertaking (BBI-JU) for the MULTI-STR3AM project aiming the development of robust microalgae biorefineries as a sustainable mean for the production of high-value products for food, feed and fragrance. Microalgae have a vast biosynthetic potential and are a rich source of lipids, protein and high-value compounds such as pigments. However, despite their characteristics, they are underexploited as a crop. MULTI-STR3AM will address challenges of costs, scale and sustainability, to create a roadmap for economical viability, industrial-scale cultivation and Biorefinery process. The MULTI-STR3AM project is coordinated by the Portuguese company Algae for future (A4F) and funded with a total of €9M. Alongside iBET, 7 European institutions are part of this initiative.*








Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
iBET	15 <sup>th</sup> January 2021	Online	<a href="https://www.ibet.pt/wp-content/uploads/2021/01/Facts-Figures_Jan2021.pdf">https://www.ibet.pt/wp-content/uploads/2021/01/Facts-Figures_Jan2021.pdf</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
<b>Persons reached</b>	Unknown							

### 3.10.3 Highlight of MULTI-STR3AM press release on iBET Newsletter

iBET FACTS & FIGURES / VOL. 9 ISSUE 3
Page 7

## O projeto MULTI-STR3AM adapta-se à pandemia | *MULTI-STR3AM project adapts to the world pandemic*

**O** projeto MULTI-STR3AM financiado pelo programa Europeu Bio-based Industries Joint Undertaking (BBI-JU), com o objetivo de desenvolver biorrefinarias de microalgas como um meio sustentável para a produção de produtos de alto valor para alimentos, rações e fragrâncias, começou oficialmente no dia 1 de Maio de 2020. Este projeto está fortemente dependente do trabalho laboratorial e portanto, as suas atividades no primeiro ano foram impactadas por todas as limitações relacionadas com a pandemia COVID-19. No entanto, o consórcio MULTI-STR3AM adaptou-se à pandemia e superou dificuldades como o atraso de novos equipamentos, produção de biomassa e biorrefinaria. Todas as reuniões presenciais foram transferidas para o online, e as atividades laboratoriais e instalações industriais foram ajustadas e reprogramadas para cumprir o número limitado de investigadores que circulam no mesmo espaço. As atividades laboratoriais foram replaneadas e foram implementadas atividades de monitorização para definir ações de mitigação de seis em seis meses. O mundo demonstrou a sua capacidade de adaptação a uma realidade imprevista. Com resiliência, o consórcio MULTI-STR3AM abraçou o desafio e irá continuar a apoiar a Europa em direção a uma bioeconomia mais sustentável e economicamente viável.



Destaques  
Highlights

**T**he Bio-based Industries Joint Undertaking (BBI-JU) project MULTI-STR3AM, aiming to develop robust microalgae biorefineries as a sustainable mean for the production of high-value products for food, feed and fragrance, started officially on May 1st, 2020. Since this project is strongly dependent from laboratory work, its first year activities were highly impacted by all constraints related with the COVID-19 pandemics. Nonetheless, the MULTI-STR3AM consortium adapted to the pandemic and overcame difficulties such as the delay of new equipment needed for the partners' laboratories, biomass production and biorefinery. All face-to-face meetings moved to online platforms, and hands-on activities running on laboratories and industrial facilities were adjusted and re-schedule to comply with the limited number of researchers circulating on the same space. Experiments were re-planned and reinforced, and monitoring activities were implemented to decide upon mitigation actions every six-months. The world has shown its ability to adapt to an unforeseen reality. With resilience, the MULTI-STR3AM consortium has also faced the challenge and will continue to support Europe towards a more sustainable and economically viable bioeconomy.

Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
iBET	15 <sup>th</sup> July 2021	Online	<a href="https://www.ibet.pt/wp-content/uploads/2021/07/Facts-Figures_Jul21.pdf">https://www.ibet.pt/wp-content/uploads/2021/07/Facts-Figures_Jul21.pdf</a>					0.00
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							

### 3.10.4 Dissemination of the MULTI-STR3AM project through the AlgaEurope newsletter mailing list



Partner	Date	Online/ Offline	Means of verification, References & Links					Funding Amount Used
A4F	2 <sup>nd</sup> December 2021	Online	<a href="mailto:enormail.nl">Have you heard of MULTI-STR3AM? (enormail.nl)</a>					
	Scientific Community	Industry	General Public	Policy Makers	Media	Investors	Customers	Total
Persons reached	Unknown							



## 4. Future phases

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By M25, the MULTI-STR3AM project will be in full development of the dissemination development phase, working intensively to disseminate the project's results in conferences, articles, press releases, website and other social media avenues. Due to the delay of the project, due to the covid-19 pandemic, this phase of dissemination is now being implemented with extra efforts given the arise of more significant technical results at a later stage than expected. Nevertheless, the good results are exciting and enhance the visibility of the project. By months 43-48, dissemination will enter the exploitation and sustainability phase focused on guaranteeing the sustainability of the project's results beyond the project duration, disseminating the final results and set the ground for exploitation of results after the project end.

Meanwhile, communication activities are continuously being implemented by all partners within the consortium, with a great emphasis on social media, websites, and presentation of the project in different events and activities. The recent creation of the LinkedIn Page of the MULTI-STR3AM project will allow a higher interaction with the community and improve the awareness towards the project, being an important channel to periodically give information about the project progress to all the interested stakeholders.

Moreover, partners will organise events, such as workshops and symposia to share the expertise developed in the project with external stakeholders. The possibility of organising these workshops back-to-back or in the wider context of large sectorial events will be explored to ensure strong participation and increase impact. Visits to R&D facilities of some of the project's partners are equally foreseen, together with the hosting of events to disseminate results across a public of experts and industrial actors. All these face-to-face activities will depend on the current pandemic situation which is expected improve by 2022 and 2023.

Thus, the MULTI-STR3AM consortium intends to increase its communication activities and start organizing its own events to prepare the path for future innovative results acknowledgment and exploitation.



This project has received funding from the Bio-based Industries Joint Undertaking (JU) under the European Union's Horizon 2020 research and innovation programme under grant agreement No 887227. The JU receives support from the European Union's Horizon 2020 research and innovation programme and the Bio-based Industries Consortium.