

a collaborative European stakeholders forum on algae



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#### Disclaimer

#### **Caveats:**

- Does not include **national** projects
- Algae industry is a constantly changing landscape, so any list will quickly become outdated
- The following report is intended as a **snapshot** of the algae industry in its current state
- Focus is on most relevant projects which started in 2021





400

200

750

100+

Companies mapped

Business Support
Organisations
mapped

Projects mapped

Resources, tools, associations, publications, platforms & initiatives identified





### **METHODOLOGY**





### Desk Research (Keyword Searches)





































### **Publications**



JRC rep ort her e





Romina

check for updates

#### Algae as Food in Europe: An Overview of Species Diversity and Their Application †

Madalena Caria Mendes <sup>1,‡</sup>, Sofia Navalho <sup>1,‡</sup>, Alice Ferreira <sup>2</sup>, Cristina Paulino <sup>1</sup>, Daniel Figueiredo <sup>1</sup>, Daniel Silva <sup>1</sup>, Fengzheng Gao <sup>3</sup>, Florinda Gama <sup>1</sup>, Gabriel Bombo <sup>1</sup>, Rita Jacinto <sup>1</sup>, Susana S. Aveiro <sup>1</sup>, Peter S. C. Schulze <sup>1,4</sup>, Ana Teresa Gonçalves <sup>1</sup>, Hugo Pereira <sup>1</sup>, Luisa Gouveia <sup>1,2</sup>, Rita F. Patarra <sup>5,6</sup>, Maria Helena Abreu <sup>7</sup>, Joana L. Silva <sup>8</sup>, João Navalho <sup>9</sup>, João C. S. Varela <sup>1,10</sup> and Lais Galileu Speranza <sup>1,\*</sup>

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- <sup>2</sup> LNEG, National Laboratory of Energy and Geology I.P., Bioenergy Unit, 1649-038 Lisbon, Portugal; alice.ferreira@lneg.pt
- Bioprocess Engineering, AlgaePARC, Wageningen University, P.O. Box 16, 6700 AA Wageningen, The Netherlands; fengzheng.gao@wur.nl
- Faculty of Biosciences and Aquaculture, Nord University, 8049 Bodø, Norway
- cE3c—Centre for Ecology, Evolution and Environmental Changes, Azorean Biodiversity Group, Faculty of Sciences and Technology, University of the Azores, 500-321 Ponta Delgada, Portugal; rita.f.patarra@gmail.com
- Expolab—Ciência Viva Science Centre, Avenida da Ciência—Beta, 9560-421 Lagoa, Portugal
- ALGAplus, Produção e Comercialização de Algas e Seus Derivados, Lda., 3830-196 Ílhavo, Portugal;



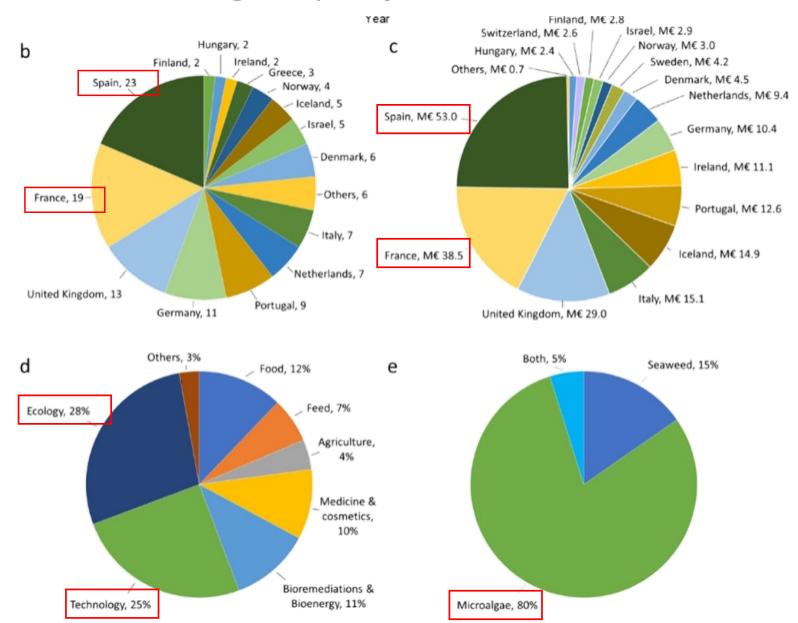


### **PROJECTS**





### Overview algae projects



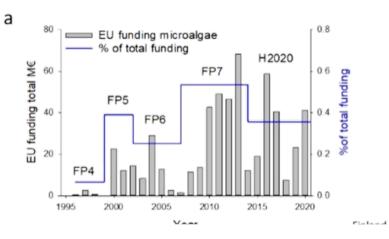
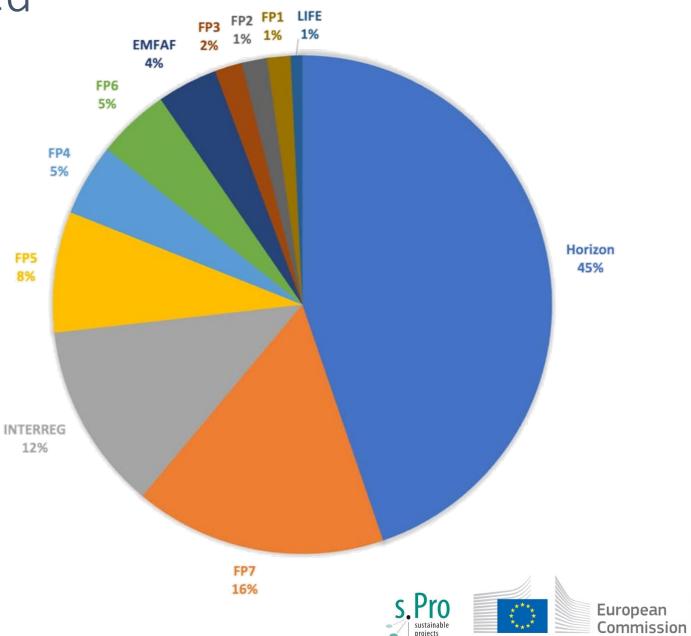


Figure 4. Overview regarding EU funding for algae-related projects. (a) Funding per year for microalgae-related projects in the European Commission, within the framework programs FP4-H2020; (b) the number of H2020 projects led, per country; (c) EC projects funding per leading country; (d) main areas of the projects funded; and (e) the proportion of projects connected to microalgae or seaweed (Source: Mendez et al. 2022)

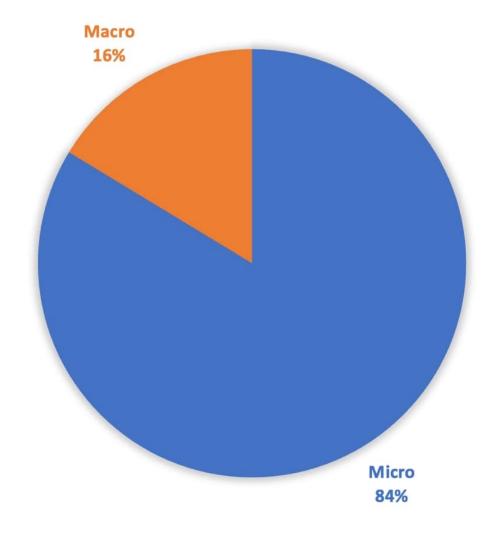


Number of algae-related projects by funding programme



## Total funding for algae projects

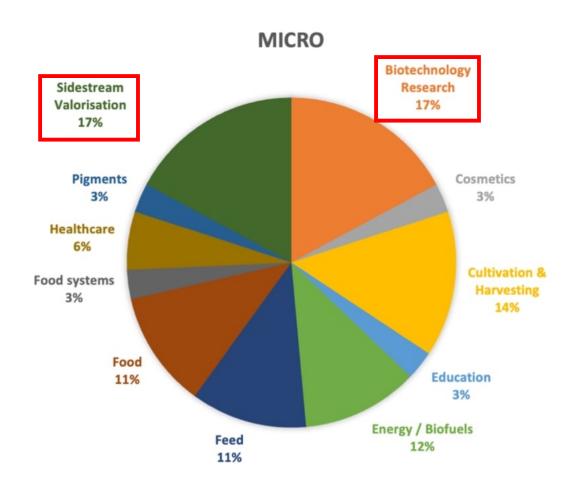
Total funding H2020	80b€
Total budget algae funded 2014-2021	500m€
#Algae projects 2014-2021	387
#Algae projects pre-2014	357

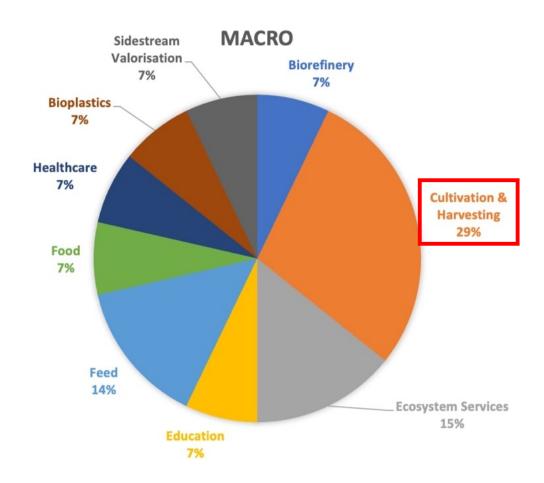






#### Micro vs. Macro Value Chains





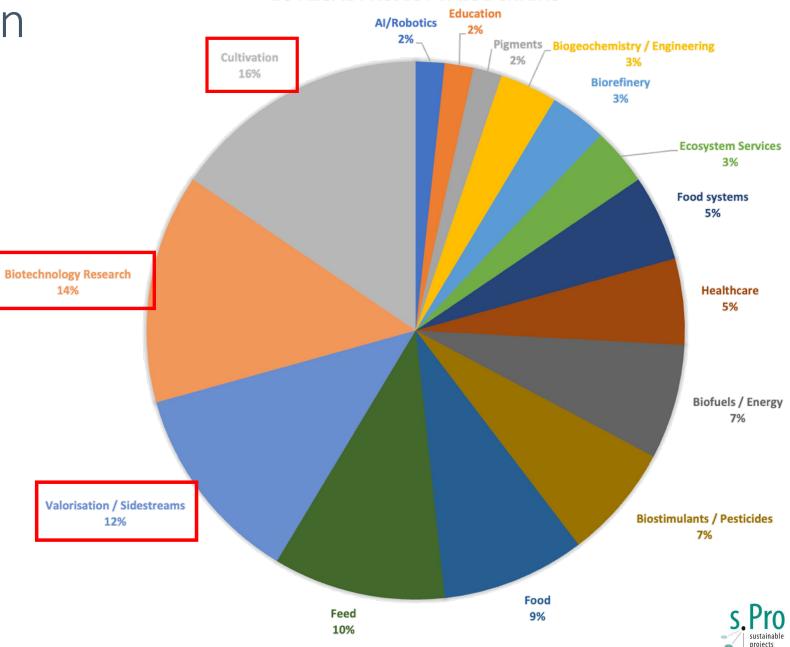




#### **EU ALGAE PROJECT VALUE CHAINS**



14%





### Past / Ending Projects





























#### Ones to watch...

























# BUSINESS SUPPORT ORGANISATIONS (BSOs)





### Accelerators & Business Support





















3<sup>rd</sup>edition

Bio

Blue

**Value** 













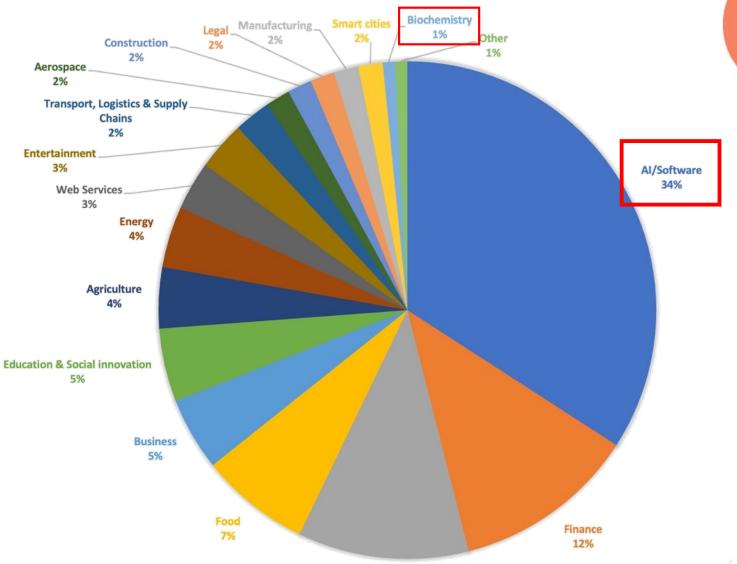






Gap Analysis of

European Accelerator services on F6S platform



Healthcare 11%







# TOOLS, RESOURCES & INITIATIVES





### Tools, Resources & Initiatives















