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## Coordinator's welcome



Happy New Year and a warm welcome to the second issue of the GENIALG Newsletter!

In case you missed the first issue of our project newsletter you can read it [here](#). We have achieved a lot in the last three years and are now entering the fourth and final year of the project.

This year's Annual Partner Meeting was held in June 2019 at the impressive Kings Manor in York, England. The meeting accommodated plans and discussions for the remainder of the project. In August 2019, GENIALG was selected to take part in the pilot of the European Commission's [Horizon Results Platform](#).

You can learn more about our progress and results in this issue or explore them using the new Horizon Results Platform. The major outcomes from GENIALG will be showcased during the final international GENIALG Conference twinned with the IDEALG Final Conference that will take place in Brest (France), 24-27 August 2020, for which we are preparing an exciting programme. During the event, GENIALG will showcase examples of large-scale cultivation and biorefining of *Saccharina* and *Ulva*, to the scientific community, policymakers, industry stakeholders and the public. The main scientific outputs of the project will be presented during different joint sessions with IDEALG. Please save the date!

The GENIALG consortium will meet again in January 2020 in Brussels, Belgium, where the European Commission

will evaluate and provide valuable feedback for our project. As we commence the final year of the project, we are confident that we will achieve all our objectives and work towards boosting the European Blue Economy.

Stay up to date on all of the latest project news through our [website](#), [Twitter](#) and [Facebook](#) pages, keeping you informed on all the latest on seaweed biorefineries, cultivation, genetics and metabolomics

Dr Philippe Potin, GENIALG coordinator and Research Director at Station Biologique de Roscoff (CNRS)

## About

GENIALG is a Horizon 2020 funded, four-year Blue Growth project. GENIALG's overall objective is to boost the European Blue Economy by designing high-yielding seaweed cultivation systems. GENIALG aims to increase the production and sustainable exploitation of two high biomass yielding species of European seaweed: the brown alga *Saccharina latissima* (sugar kelp) and the green alga *Ulva rigida* (sea lettuce).

GENIALG is the first industry-driven consortium, coordinated by the Centre National de la Recherche Scientifique (CNRS). It consists of 19 partners from six countries. GENIALG's consortium brings together pioneering companies in large-scale integrated European biorefineries, and experts in seaweed cultivation, genetics and metabolomics to improve the seaweed industry by selecting high-value strains. GENIALG will transfer its major outcomes to science, industry, policy and society.

[Read more](#)

## Project blog

### Sustainable Seaweed - Planting Forest Crops of a Very Different Kind

Following the June 2019 GENIALG Annual Partner Meeting in York, England, attendees had the opportunity to visit one of the GENIALG project partners' facilities. The Biorenewables Development Centre (BDC) is an open-access research, development and demonstration centre working at the interface between academia and industry to convert plants, microbes and biowastes into profitable biorenewable products. The BDC is unique in integrating the latest green chemistry and processing techniques with modern genetics to create renewable chemicals and materials. Their mission is to combine biology and chemistry to catalyse sustainable business growth across the global bioeconomy.



[Read more](#)



## GENIALG news and events

To read all the latest news from the GENIALG project, [click here](#) and select 'project promotion' from the filter options.



## Seaweed in the news

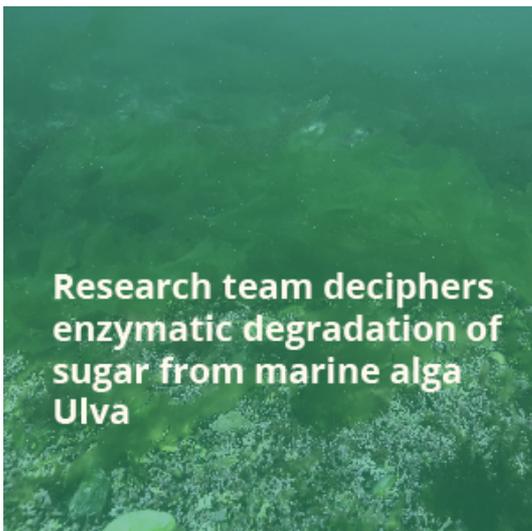
See below a selection of international coverage on seaweed and related research.



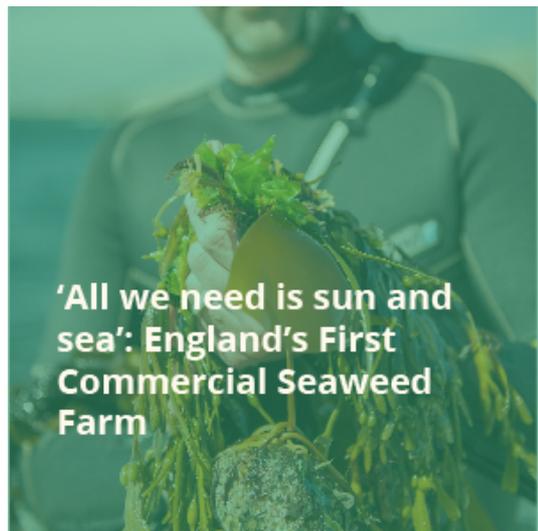
**China Approves Sea-weed-based Alzheimer's Drug. It's the First New One in 17 Years**



**Meet the 'Star Ingredient' Changing Fortunes in Alaska's Waters: Seaweed**



**Research team deciphers enzymatic degradation of sugar from marine alga Ulva**



**'All we need is sun and sea': England's First Commercial Seaweed Farm**



**Research Evidence Prompts Rethink on Global Seaweed Policy**



**Mexico Trial Biogas Production from Seaweed Energy**

 **Dates for your diary**



**3rd India International Seaweed Expo & Summit**

**30 - 31 January 2020 | Chennai, India**

[Event website](#)



## 12th Global Summit on Aquaculture & Fisheries

30 - 31 March 2020 | Hong Kong

[Event website](#)



## 28th European Biomass Conference & Exhibition

27 - 30 April 2020 | Marseille, France

[Event website](#)



## 2nd Seaweed for Health Conference

21 - 24 June 2020 | Galicia, Spain

[Event website](#)



## 20th Biennial Conference IIFET 2020 Galicia

29 June - 3 July 2020 | Vigo, Spain

[Event website](#)



## European Conference on Aquaculture & Fisheries

10 - 11 August 2020 | Stockholm, Sweden

[Event website](#)



## GENIALG Final Conference

25 - 27 August 2020 | Brest, France

[Event website](#)



## Algae Biomass Summit 2020

8 - 11 September 2020 | San Diego, USA

[Event website](#)

### Full list of events



## Publications

Bringslid, I.H. (2019). *Phosphorus in Saccharina latissima: Initial uptake, storage, and possibilities for recycling in IMTA systems*. (Unpublished Master's thesis) NTNU Norwegian University of Science and Technology, Trondheim, Norway. <http://hdl.handle.net/11250/2618084>

Van den Burg, S., Dagevos, H. and Helmes, R. (2019). *Towards sustainable European seaweed value chains: a triple P perspective*. ICES Journal of Marine Science fsz183. DOI: <https://doi.org/10.1093/icesjms/fsz183>

Fort, A., Mannion, C., Fariñas-Franco, J.M. and Sulpice, R. (2019). *Green tides select for fast expanding Ulva strains*. Science of the Total Environment, 698, 134337. DOI: 10.1016/j.scitotenv.2019.134337

Bernard, M., Rousvoal, S., Collet, N., Le Goff, T., Jacquemin, B., Peters, A., Potin, P. and Leblanc, C. (2019). *A highly prevalent filamentous algal endophyte in natura; populations of the sugar kelp Saccharina latissima is not detected during cultivation in Northern Brittany*. Aquatic Living Resources, vol. 32, 2019, p. 21. DOI: 10.1051/alr/2019019

Fort, A., Lebrault, M., Allaire, M., Esteves-Ferreira, A., McHale, M., Lopez, F., Fariñas-Franco, J.M, Alseekh, S., Fernie, A. and Sulpice, R. (2019). *Extensive variations in diurnal growth patterns and metabolism amongst Ulva spp strains*. Plant Physiology, pp.18.01513. DOI: 10.1104/pp.18.01513



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### Contact Us:

**Project Coordinator**  
Philippe Potin  
Station Biologique de Roscoff  
[potin@sb-roscoff.fr](mailto:potin@sb-roscoff.fr)

**Project Manager**  
Kévin Cascella  
Station Biologique de Roscoff  
[kevin.cascella@sb-roscoff.fr](mailto:kevin.cascella@sb-roscoff.fr)

**Communication & Press**  
Avril Hanbidge  
AquaTT  
[avrill@aquatt.ie](mailto:avrill@aquatt.ie)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 727892 (GENIALG). This output reflects the views of the author, and the European Union cannot be held responsible for any use which might be made of the information contained therein.

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