



## ESPP webinar workshop:

**Monday 22<sup>nd</sup> March 2021, 09h00 - 13h00** (Paris time, CET)

## Regulatory questions around waste-derived algae & nutrient recycling

Registration: <https://algae2021.eventbrite.co.uk>

Event webpage, updated programme [www.phosphorusplatform.eu/algae2021](http://www.phosphorusplatform.eu/algae2021)

### Objectives

- Identify regulatory obstacles to nutrient recycling/reuse from waste-derived algae / micro-algae, i.e. which either have had 'waste' status or which are grown using waste inputs
- Outline potential valorisation routes, current status of development and market potential, important risk questions (contaminants, safety)
- Propose possible approaches to address key regulatory questions identified

### Examples

- algae grown using waste as a substrate, e.g. grown in municipal or industrial wastewater, in manure or food waste liquors, in digestates derived from such wastes, or fed by offgases (CO<sub>2</sub> and/or NO<sub>x</sub> emissions mitigation),
- valorisation of the algae themselves (e.g. after 'mechanical' processing or drying), or of materials or chemicals derived or extracted from the algae,
- materials left over from processing algae grown for another purpose, e.g. for extraction of pharmaceuticals, biofuels, cosmetics ...
- algae collected from cleaning operations, such as beach cleaning, canal dredging, clarification of eutrophied waters ....

### Uses for the algae and derived materials can include:

- animal feeds
- fertilising products: nutrient fertilisers, organic soil improvers, crop biostimulants (e.g. humics)
- industrial products: packaging (fibres), chemicals ...
- applications with specific regulations: cosmetics, pharmaceuticals, human food additives
- energy use: extraction of biofuels, combustion of biomass
- combinations of these, e.g. extraction of a substance for a specific use (cosmetics, biofuels) leaving remaining biomass which can be used for a lower grade application, such as animal feed or fertiliser

Proposals for short contributions are welcome, especially real case studies of regulatory questions confronting algae production process or algae-derived products. Contact: [info@phosphorusplatform.eu](mailto:info@phosphorusplatform.eu)

## Outline programme - 22nd March 2021

<b>Opening plenary 9h00 - 10h00 CET</b>
Overview of different waste-related algae production potential, potential nutrient recycling routes, current states of development and potential markets
<b>Examples of companies valorising nutrients from waste-related algae, including in each case regulatory challenges or questions:</b>
Treatment of municipal wastewater: - benefits and potential, state of development, regulatory questions for nutrient valorisation
Treatment of manures, food wastes, other wastewaters, inc. digestates
Seaweeds
Nutrients removed from algae in biofuels production : valorisation routes, waste or by-product status
Nutrients removed from algae in pharmaceuticals production: valorisation routes, waste or by-product status
Algae grown using wastewater for aquaculture feed
Use of algae production for CO2 capture
Questions and discussion
<b>Technical session n°1, 10h15 - 10h55 CET:</b> <b>waste-derived algae in the EU Fertilising Products Regulation and REACH</b>
Algae and micro-algae, and materials derived from them, in the EU Fertilising Products Regulation, current status (CMCs 1, 2, 3, 5, 7, 11), including REACH requirements. With European Commission, DG GROW
<b>Technical session n°2, 11h15 - 11h55 CET:</b> <b>waste status and other regulatory questions for waste-related algae and materials derived from them</b>
Overview of waste / by-product / product status of different waste-related algae and materials derived from them. With European Commission, DG ENVI
Contaminants. Risk assessment. Development of an algae Quality Standard
<b>Closing plenary 12h15 - 12h55 CET</b>
Proposed EU strategy "Towards a strong and sustainable algae sector" and waste-related algae in this strategy, European Commission DG MARE
Summaries of technical sessions by rapporteurs. Questions, discussion, conclusions, possible next steps

Registration: <https://algae2021.eventbrite.co.uk>

Event webpage, updated programme [www.phosphorusplatform.eu/algae2021](http://www.phosphorusplatform.eu/algae2021)

Organised by ESPP [www.phosphorusplatform.eu](http://www.phosphorusplatform.eu)

## ESPP members:



[ESPP on Twitter](#) | [forward to a friend](#)

## Stay informed

SCOPE newsletter: [www.phosphorusplatform.eu/SCOPEnewsletter](http://www.phosphorusplatform.eu/SCOPEnewsletter)

eNews newsletter: [www.phosphorusplatform.eu/eNewshome](http://www.phosphorusplatform.eu/eNewshome)

If you do not already receive SCOPE and eNews (same emailing list),  
subscribe at [www.phosphorusplatform.eu/subscribe](http://www.phosphorusplatform.eu/subscribe)

LinkedIn group: [www.linkedin.com/groups/4783093](http://www.linkedin.com/groups/4783093) (or search for ESPP)

Twitter: [@phosphorusfacts](https://twitter.com/phosphorusfacts)

Slideshare presentations: [www.slideshare.net/NutrientPlatform](http://www.slideshare.net/NutrientPlatform)

---

*Please feel free to circulate information in our ESPP emails and publications. Please indicate: "Source: European Sustainable Phosphorus Platform (ESPP)".*

*European Sustainable Phosphorus Platform*

*Email: [info@phosphorusplatform.eu](mailto:info@phosphorusplatform.eu)*

*Website: [www.phosphorusplatform.eu](http://www.phosphorusplatform.eu)*

*Twitter: [@phosphorusfacts](https://twitter.com/phosphorusfacts)*

*Address: 8 avenue du Dirigeable, 1170 Bruxelles, Belgium*

*ASBL n°: 0568.830.863*

*EU Transparency Register n°: 260483415852-40*

*You are receiving this email because you are on the emailing list of ESPP for our eNews and SCOPE newsletters.*

*To unsubscribe: please use the personalised link below in this email, or reply to this email with UNSUBSCRIBE as subject AND specify in your email the email address to which this was sent, that is: [erwin.szlezak@noel.gv.at](mailto:erwin.szlezak@noel.gv.at)*

*ESPP's data privacy policy can be consulted at [www.phosphorusplatform.eu/privacy](http://www.phosphorusplatform.eu/privacy)*

