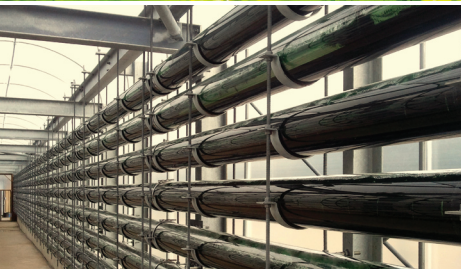


## *Sustainable Pathways for Algal Bioenergy*



## INTRODUCTION

- EnAlgae is a 4 year strategic initiative (2011-2015) engaging the expertise and resources of 19 partners across North West Europe (NWE);
- Algal biomass and bioenergy production are integrated with existing industrial, agricultural and municipal processes to capture and remediate flue gas CO<sub>2</sub> and soluble aqueous wastes.
- EnAlgae engages with diverse stakeholders across NWE to resolve technological and legislative bottlenecks for deploying sustainable algal-based biomass, bioenergy and bioremediation technologies.

## ENALGAE RATIONALE

EC legislation to increase the proportion of renewable energy (*EC Directive 2009/28/EC*) provides a clear incentive for NWE to reduce its current reliance on fossil fuels. In 2008, the NWE territory accounted for > 40% of total EU27 greenhouse gas (GHG) emissions (*EC GHG Inventory, 2009*).

Compared to conventional European bioenergy crops, algae are highly productive and do not demand premium land and water resources.

It is therefore timely to develop sustainable algal biotechnologies as part of an integrated NWE strategy for bioenergy production, GHG mitigation and waste remediation.

## ENALGAE PROJECT DELIVERY

### ENALGAE:

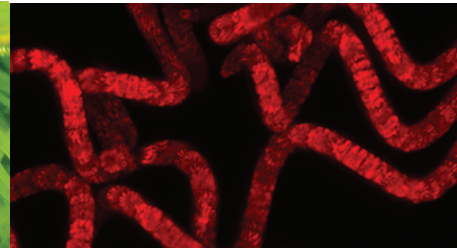
- Maximises the transnational value of algal pilots across NWE, via an integrated Network in which operators systematically gather and share data and provide demonstration to stakeholders;
- Identifies the political, economic, social and technological opportunities for sustainably exploiting algae within NWE;
- Combines information across the algal supply chain into a new decision support system (DSS), to guide decisions, identify knowledge & capability gaps and to provide a roadmap.

## HOW TO GET INVOLVED

EnAlgae encourages close involvement by diverse stakeholders across NWE. A series of workshops, demonstrations, open days and conferences is scheduled in a variety of partner locations throughout the project.

You are welcome to join our mailing list to receive details of forthcoming events in your region - please register your interest by emailing [info@enalgae.co.uk](mailto:info@enalgae.co.uk). Details of events are also posted on the EnAlgae website, [www.enalgae.eu](http://www.enalgae.eu)

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## ENALGAE PARTNERS

European Biomass Industry Association (BE) | Ghent University (BE)  
Laborelec Ltd (GDF-SUEZ) (BE) | Provincial Development Agency, West Flanders (BE)  
University College – West Flanders (BE) | Agency for Renewable Resources (DE)  
HTW University of Applied Sciences (DE) | Karlsruhe Institute of Technology (DE)  
Centre d'Etude et de Valorisation des Algues (FR) | National University of Ireland, Dublin, University College Dublin (IE)  
National University of Ireland, Galway (IE) | Wageningen UR / ACRRES (NL) | Birmingham City University (UK)  
InCrops Enterprise Hub (UK) | National Non-Food Crops Centre (UK) | Plymouth Marine Laboratory (UK)  
Queens University Belfast (UK) | The Scottish Association for Marine Science (UK)  
Swansea University (UK) (Lead Partner)



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EnAlgae is a Strategic Initiative of the INTERREG IVB North West Europe (NWE) Programme

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