



# BioÉire

## A Bioeconomy for Ireland

### The opportunities

The European bioeconomy employs some 21.5 million people and represents an annual market worth over €2trillion, with significant potential for further growth, as EU member states supplement food production with sustainable technologies for production of **biofuels, biofertilisers, biochemicals and bioplastics.**

*Development of these new technologies opens up new, lucrative markets that are only just beginning to be targeted.*

### The challenges

Market - Technical - Regulatory

### Identifying the pathways to a bioeconomy for Ireland

The BioÉire collaboration will identify those areas that will enable Ireland to prosper in this new economy - quantifying, highlighting and developing the near-term market opportunities for Ireland.

*"We are very pleased that the Dept. of Agriculture, Food and the Marine awarded funding to this project, which will actively seek participation from the stakeholders that are needed to successfully develop Ireland's bioeconomy..."*

*- Dr Maeve Henchion  
Project Co-ordinator  
Teagasc*

### Project team

- DIT
- TCBB (hosted at NUI Galway)
- Teagasc
- UCD
- Funded by the Department of Agriculture, Food and the Marine through the Research Stimulus Fund



### How will the study be implemented and delivered?

BioÉire is a desk-study research project. Engagement with stakeholders will be sought from early on in the project and will be required throughout the project's life-cycle, including in relation to the interviewing/surveying of key informants to the project in particular.



*Photo on left shows pre-commercial scale wastewater treatment technology (on truck-bed) developed by TCBB & NUI Galway with NVP Energy—produces biogas; also, Premier Green Energy's advanced pyrolysis technology (located on the site of the former Thurles sugar factory) is in the background*



**Some large corporations have already begun a move towards using renewable bioplastics or producing biochemicals - photo above of examples taken at Bio Base Europe Pilot Plant, Ghent**

*Photos courtesy of TCBB except where stated*

**The BioÉire project will inform and advise policy development and decision-making in relation to the market and regulatory frameworks required for Ireland to avail of the opportunities for sustainable economic development in the bioeconomy.**



### How can I help?

The BioÉire team will approach policymakers and enterprises to gather data and input from key stakeholders - you are encouraged to indicate your interest in making a contribution to identifying and quantifying the opportunities for Ireland in the global bioeconomy.



**Fluidised bed combustion technology for heat and electricity by Irish company bhsi - bioenergy from poultry manure for poultry farms.**  
*Photo courtesy of bhsi*

### Contact Us

You are welcome to contact us for information on the work of the BioÉire project or if you wish to participate in our stakeholder interviews that will be used to inform the project and its results

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