

BioÉire: a Bioeconomy for Ireland

Dr. Laura Devaney

Meat Co-Products Workshop

ReValue Protein

15th February 2017



BioÉire

A Bioeconomy for Ireland



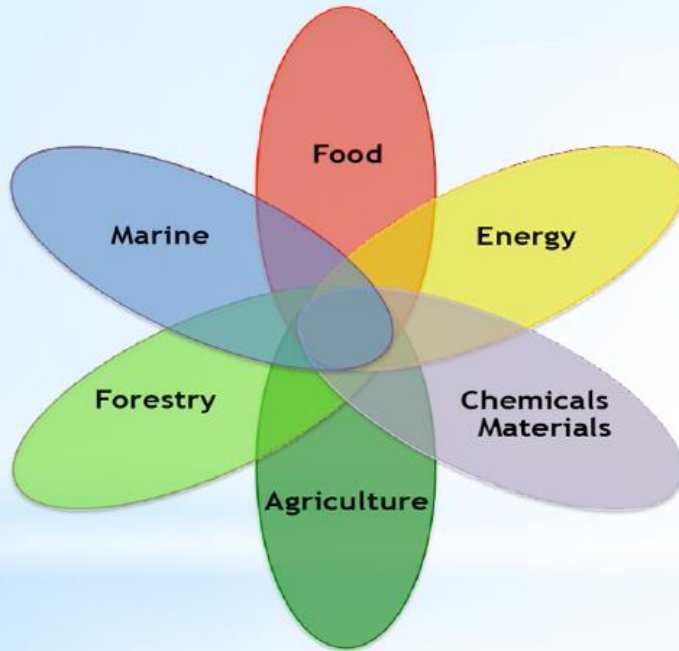
Department of
**Agriculture,
Food and the Marine**

An Roinn
**Talmhaíochta,
Bia agus Mara**



The Irish Agriculture and Food Development Authority

The Bioeconomy



**THOSE PARTS OF THE ECONOMY
THAT USE RENEWABLE
BIOLOGICAL RESOURCES
(BIOMASS) FROM LAND AND SEA
SUCH AS CROPS, FORESTS, FISH,
ANIMALS, MICRO-ORGANISMS,
AND ORGANIC WASTE AND
RESIDUES
TO PRODUCE FOOD, FEED,
MATERIALS, CHEMICALS, FUELS,
AND ENERGY**

Source: SCAR (Standing Committee on Agricultural Research)

(Potocnik, 2015)

Opportunities in Ireland

- Ireland as a high potential candidate in the bioeconomy
 - Abundant renewable resources
 - Thriving agriculture and marine sectors
 - Growing forestry development
 - Well-respected food industry
 - Innovative research and development capabilities
- However, Ireland is only beginning to tap into new bioeconomic opportunities
- Mainstream and niche opportunities....



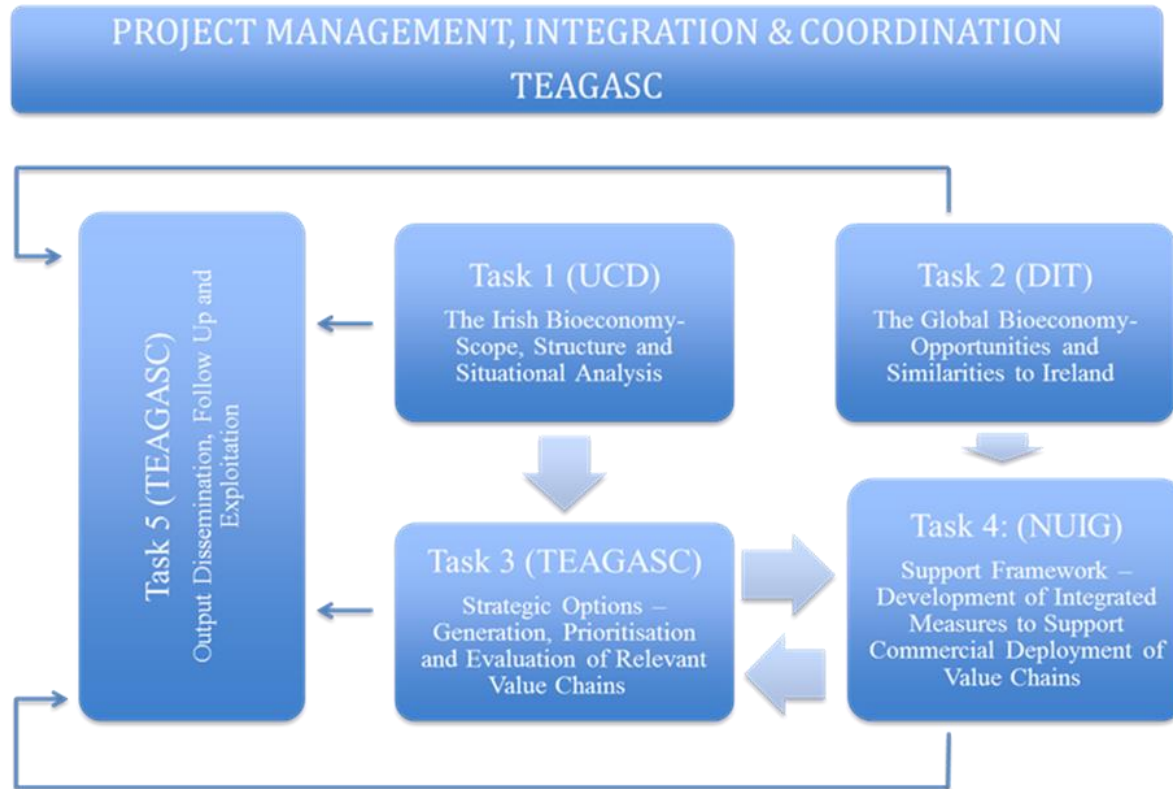
BioÉire: a bioeconomy for Ireland

- Launched April 2015 (DAFM/Stimulus Research Grant) to assess the feasibility and facilitate the pursuit of bioeconomy opportunities in Ireland



- Aims to evaluate the growth opportunities, policies and initiatives shaping Ireland's transformation to a sustainable, low carbon economy and **identify bioeconomy priorities** for Ireland to maximise national income, exports and job creation.
- To identify up to **8 commercial opportunities**, assess their technical, economic and environmental **viability** for future development
- Make recommendations on the **development frameworks** necessary to underpin their exploitation
- Knowledge base for national strategy

BioÉire workflow and responsibilities



Towards a National Bioeconomy...

- Societal: help society live within its limits, decouple economic growth from environmental degradation
- Political: realise existing policy or newly defined objectives
- Economic: stimulate economic performance & new market opportunities
- Environmental: realise environmental objectives e.g. GHG, waste
- Social: rural development and livelihoods

How will international bioeconomy principles be translated into an Irish context?

Who needs to be involved? Who will benefit?

What should Ireland prioritise?

- **ReValue Protein approach** = just one, but necessary, element of a successful Irish bioeconomy and the need to enhance the sustainability of our meat industry



More information

Devaney, L., Henchion, M. and Regan, A. (2017) “Good Governance in the Bioeconomy”, *Eurochoices*, Available Online Early View DOI: 10.1111/1746-692X.12141

Devaney, L. and Henchion, M. (2017) “If opportunity doesn’t knock, build a door: reflecting on a bioeconomy policy agenda for Ireland”, *The Economic and Social Review*, forthcoming 2017

Devaney, L., Regan, A. and Henchion, H. (2016) “Imagine the Future”, *Taste of Science* [online magazine] Available at: <https://www.tasteofscience.com/articles/609/imagine-the-future.html>

Devaney, L. and Henchion, M. (2016) “BioÉire: a bioeconomy for Ireland - Delphi Study Results”, November 2016, Teagasc, Dublin.

Devaney, L. and Henchion, M. (2015) “The future is bio”, *TResearch* [online magazine] Available at: <https://www.teagasc.ie/media/website/publications/2015/3788/TRResearch-Winter2015.pdf>

BioÉire Final Dissemination Event – 20th March (TBC)

Email: laura.devaney@teagasc.ie

Thank you!



BioÉire

A Bioeconomy for Ireland

Funded by the Department of Agriculture, Food and the Marine's competitive research programme



Department of
**Agriculture,
Food and the Marine**

An Roinn
**Talmhaíochta,
Bia agus Mara**



The Irish Agriculture and Food Development Authority