National Bioeconomy Strategy Development: **IRELAND**

Dr Maeve Henchion

SCAR Conference 2017

Research and innovation policy, state-of-play and the role of SCAR in the European Bioeconomy 4th and 5th December 2017 in Tallinn Estonia

easasc AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY





Role of Member States

- Give a steer (internally) and signal (externally)
- Ireland recognised need to develop a national strategy, but...
 - » Potential conflicts of interest
 - Economic, social and environmental objectives
 - » Potential conflicts between sectors
 - Food, feed, fibre, fuel debate

» Unintended/unforeseen consequences



XCELLEN



Ireland: cross-sectoral

A Resource Opportunity

Waste Management Policy in Ireland

OUR SUSTAINABLE FUTURE

A FRAMEWORK FOR SUSTAINABLE DEVELOPMENT FOR IRELAND



Government Policy Statement on Growth and Employment in the Green Economy

Research Prioritisation Steering Group

of the Environment, I Local Government

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July 2012



Ireland: sectoral

Forests, products and people

Ireland's forest policy – a renewed vision





Ocean Energy in Ireland

Marine Institute Sel Sustainan

HARNESSING OUR OCEAN WEALTH

An Integrated Marine Plan for Ireland

> Roadmap New Ways w Approaches New Thinking

or a reprint

Draft Bioenergy Plan

October 2014













Methodology for LOCAL AUTHORITY RENEWABLE ENERGY STRATEGIES

Ireland: sub-sectoral



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The Irish Bioeconomy: Complex policy environment

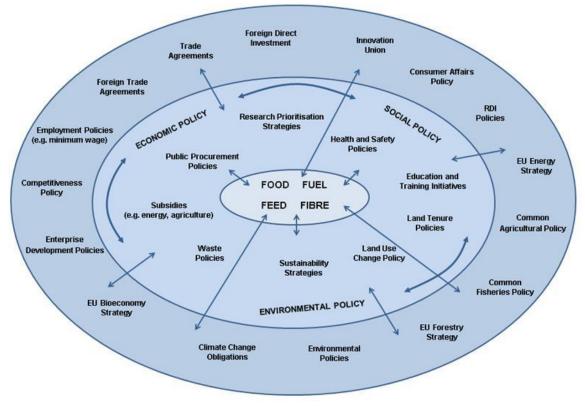


Figure 1 Irish bioeconomy policy illustration (taken from Devaney and Henchion, 2016)



Overview of Bioeconomy (2015)

| • • • • • • • • • • • • • | | | |
|---------------------------|--|---|---|
| Member | Name of Strategy | Main Actors | Key Funding Areas |
| Canada | Growing Forward | Ministry of Agriculture | R&D on renewable resources and biobased materials, Bioenergy |
| EU | Innovating for Sustainable Growth | DG Science, Research, Innovation | Research & Innovation (Horizon 2020), Public-Private-Partnerships |
| France | bundle of BE-relevant policies | Ministry for Ecology, Ministry for Research | Bionergy, green chemicals, clusters, circular economy |
| Germany | 1. Research Strategy EE 2. Policy Strategy BE | Ministry for Research Ministry for Agriculture | R&D on food security, sustainable agriculture, healthy nutrition, industrial processes, bioenergy |
| Great Britain | bundle of BE-relevant policies | Parliament, Depts: Energy & Climate Environment, Transport, Business | Bioenergy, agri-science and -technology |
| Italy | no specific BE policy | - | Participation in EU programmes |
| Japan | Biomass Utilization and Ind. Strategies | Cabinet, National Biomass Policy Council | Research & innovation, circular conomy, regional development |
| United States | 1. Bioeconomy Blueprin 2. Farm Bill | t 1. White House 2. USDA | 1. Life Sciences (Biomedicine) 2. Agriculture (multiple areas) |

Initiatives at government level

- Research funding BioÉire, DAFM, 2014
- National Action Plan for Jobs, 2016 Department of the Taoiseach (Prime Minister's Office)
- National Action Plan for Rural Development 2017, Department of AHRRGA
- Whole of government approach: Interdepartmental group – Led by Department of the Taoiseach, formed Q4 2016



Department of Agriculture, Food and the Marine

^{An Roinn} Talmhaíochta, Bia agus Mara



An Roinn Ealaíon, Oidhreachta, Gnóthaí Réigiúnacha, Tuaithe agus Gaeltachta

Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs



Roinn an Taoisigh Department of the Taoiseach

Action Plan for Rural Development

| | Action | Time | Responsibility |
|-----|--|---------|---|
| 116 | Establish a baseline assessment of the current bioeconomy activity and opportunities across the various sectors in Ireland | Q1 2017 | Dept of the Taoiseach and other relevant sectoral deparants |
| 117 | Hold a consultative seminar on the bioeconomy, with key stakeholders including the development agencies and the private sector | Q1 2017 | Dept of the Taoiseach and other relevant sectoral depan |
| 118 | Publish a high level policy statement on the bioeconomy in Ireland | Q4 2017 | Dept of the Taoiseach and other relevant sectoral departments |



Public consultation

- July 2017: Discussion document issued by Dept of the Taoiseach
 - » 51 submissions
 - Commercial entities 13
 - Academic/Research centres- 11
 - Departments & Agencies 7
 - NGO/Charity 6
 - Not-for Profit 4
 - Private individuals 4
 - Local Authorities 3
 - Semi-State 3
- Nov 2017: Draft National Policy Statement presented to the IDG
- Dec 2017: Present to Government for approval
- High level implementation group Chair?



Roinn an Taoisigh

Discussion document for the preparation of a National Policy Statement on the Bioeconomy

Economic Division July 2017



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- BioÉire
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- CASA, H2020
 - H2020 CSA



