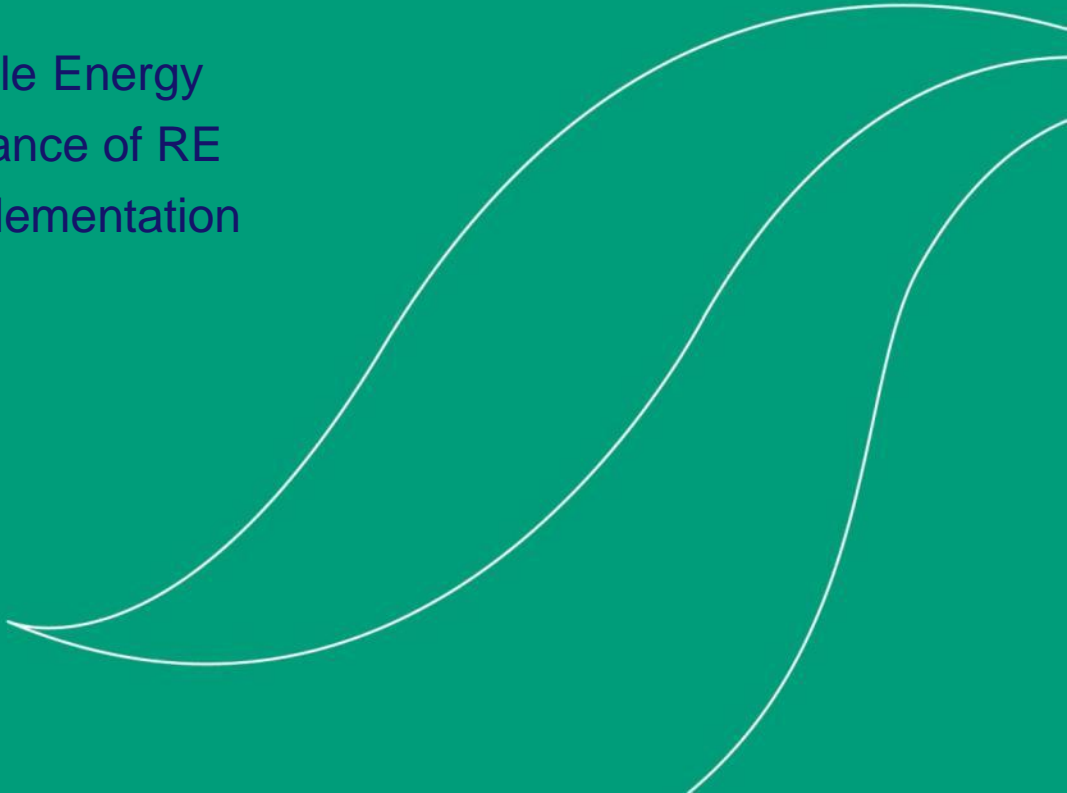


Local Authority Renewable Energy Strategies in Ireland - Experience to Date

EU SPECIALPILOT TRAINING
24th June, 2015

John McCann, SEAI

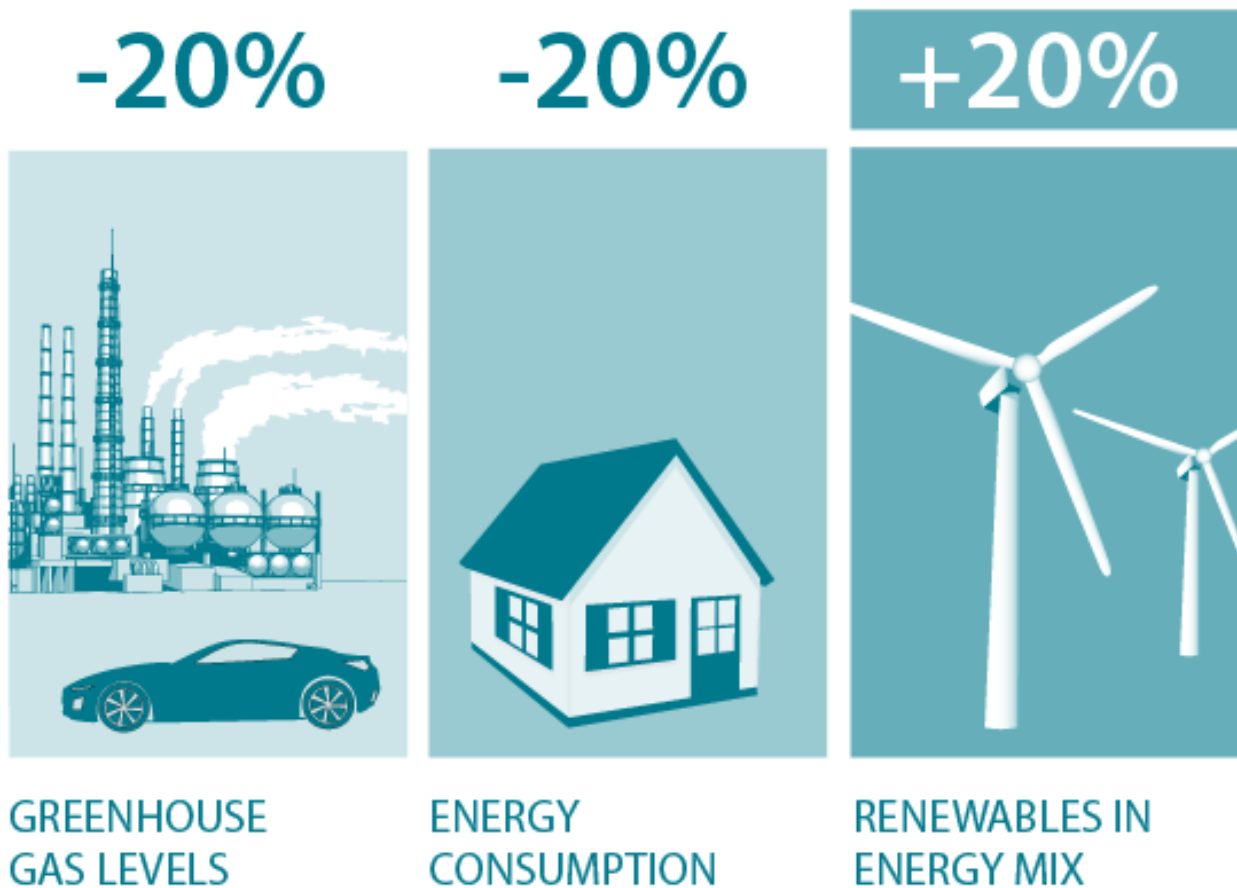


- EU Policies and Targets
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The 20-20-20 EU Policy

By 2020:



- Mandatory Targets for Ireland
- **16% RES - Energy by 2020**
 - also 10% RES-Transport by 2020
- Target based upon “gross final consumption of energy” - including losses of electricity and heat in distribution
- $GFC = TFC \text{ (Transport)} + GFC \text{ (Elec)} + GFC \text{ (Heat)}$
- Indicative Sectoral Targets
 - **Transport 10%; Electricity 40%; Heat 12%**

Targets for 2030

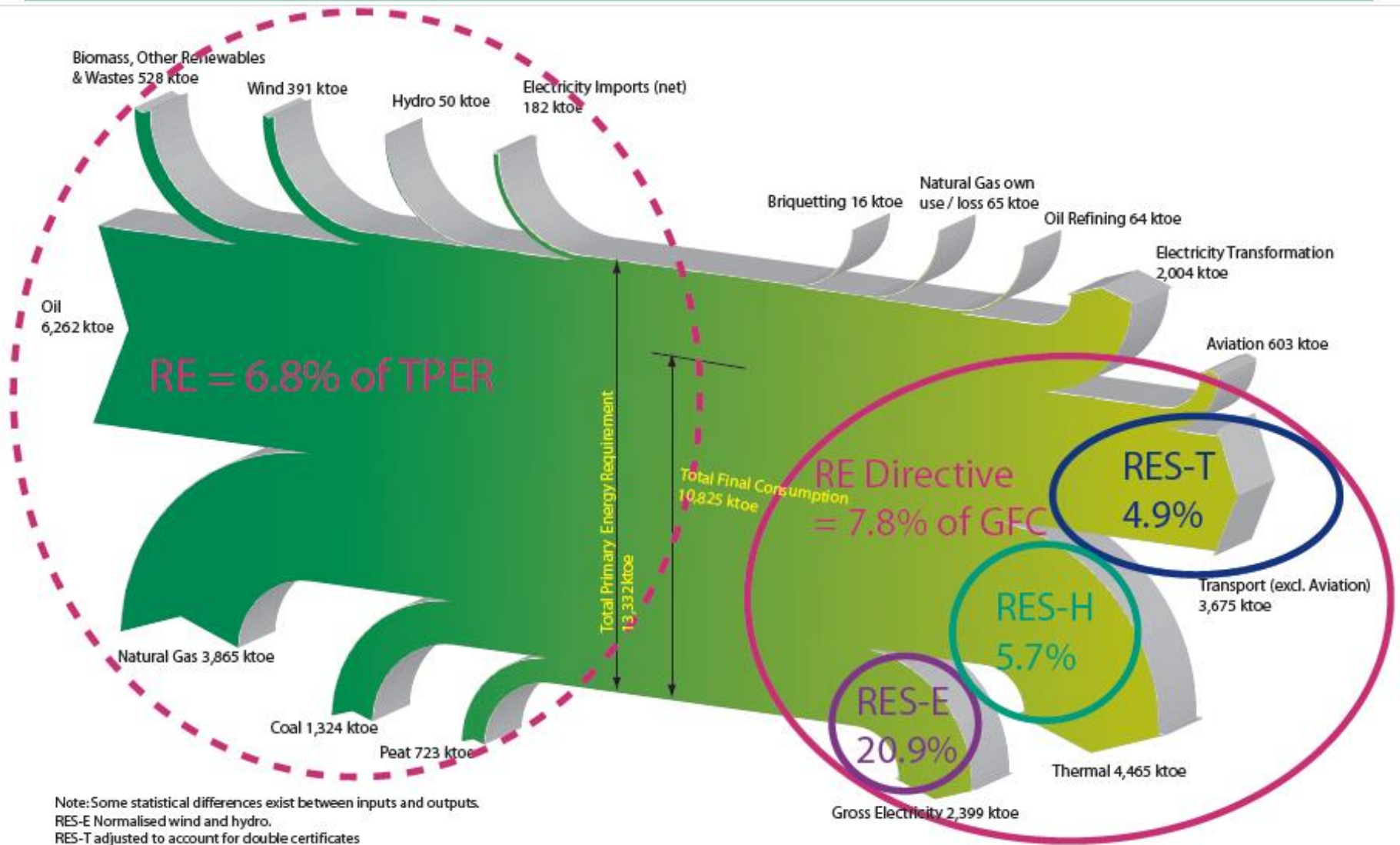
- 40% cut in greenhouse gas emissions compared to 1990 levels
- At least a 27% share of renewable energy consumption
- At least 27% energy savings compared with the business-as-usual scenario

Policies for 2030

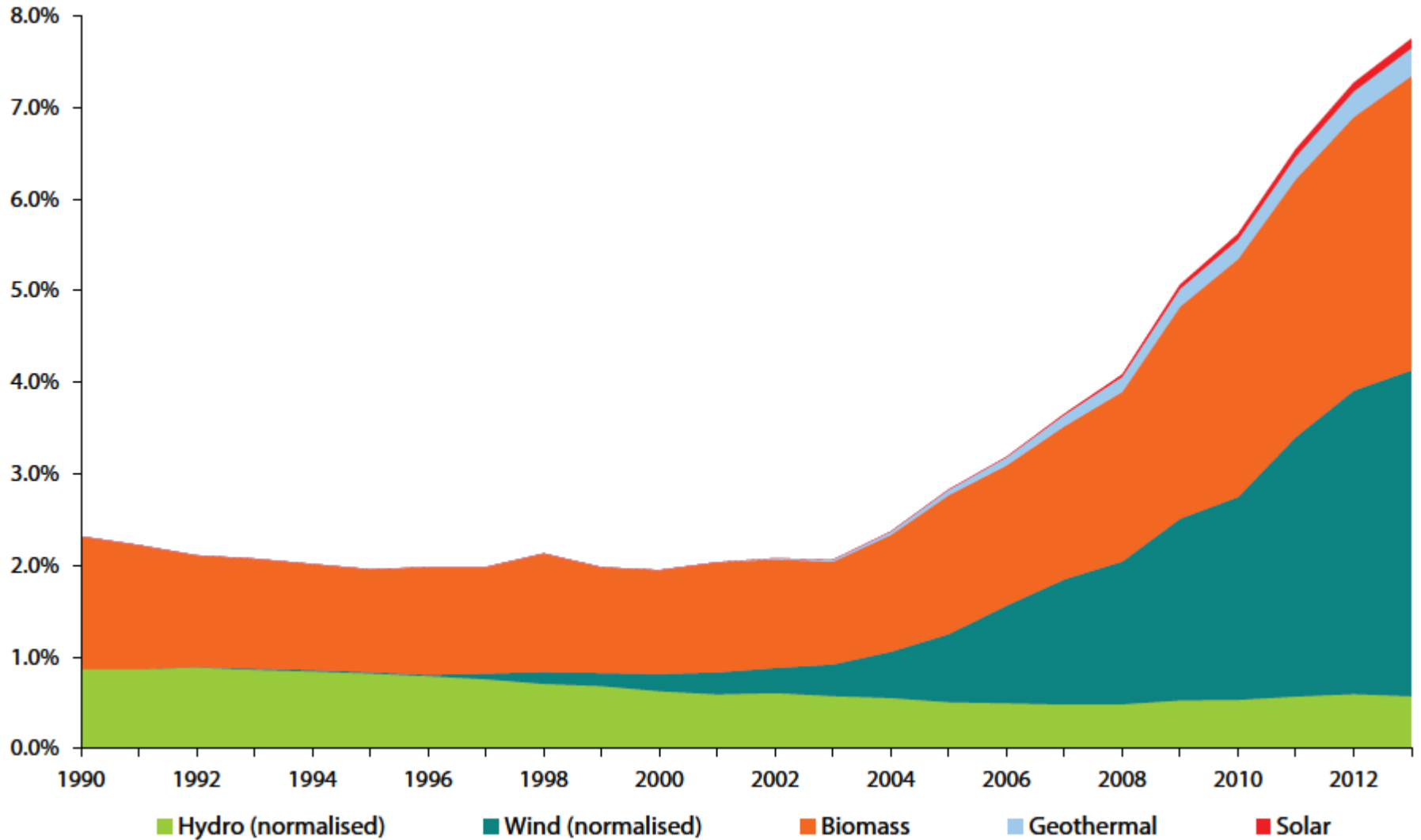
- Reformed EU emissions trading scheme (ETS)
- New indicators for competitiveness and security of energy system e.g. price differences, diversification of supply, and interconnection capacity
- New governance system based on national plans for competitive, secure, and sustainable energy

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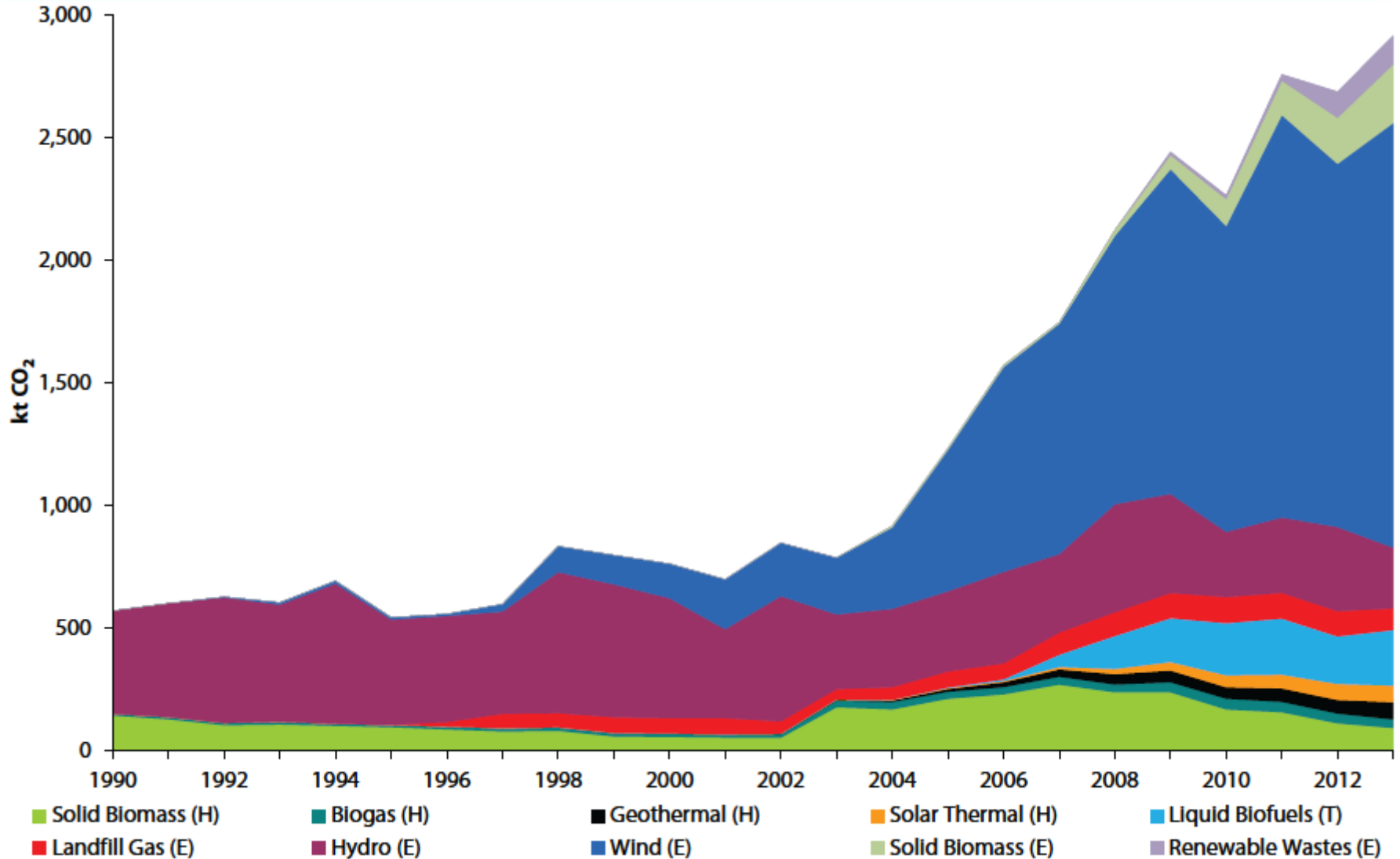
2020 Targets Progress End of 2013



Renewable Energy Contribution to Gross Final Consumption



Avoided CO₂ Emissions from Renewable Energy



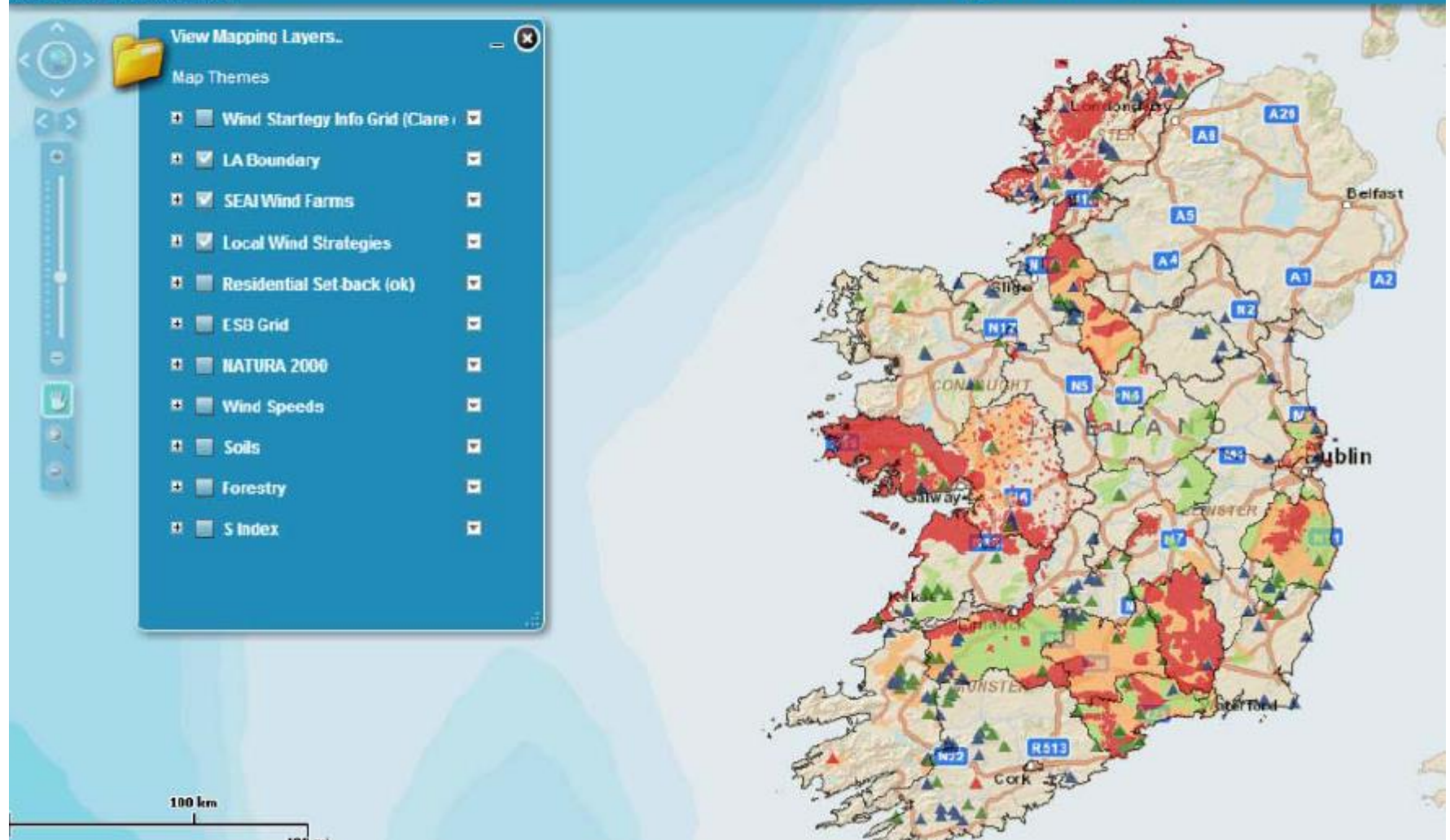
- Overall primary energy fell by 0.4% while the economy (GDP) grew by 4.8%
- Primary use of renewable energy increased by 10%
- Primary consumption of fossil fuels fell in 2014 by 1.2%
- Import dependency fell to 85.5% in 2014 from 89% in 2013
- Energy related CO₂ emissions fell by 0.8%
- 22.6% of electricity generated from renewable sources
- Wind 18.3% of electricity generation - 2nd most significant source of electricity after natural gas at 45.8%
- Almost as much electricity from renewables as coal and peat (22.6% compared with 23.1% for coal and peat)
- CO₂ intensity of electricity reached a new low of 457g CO₂/kWh in 2014

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- Citation 23
 - “Member States **may encourage local and regional authorities to set targets in excess of national targets** and to involve local and regional authorities in drawing up national renewable energy action plans and in raising awareness of the benefits of energy from renewable sources.”
- Article 13.1:
 - “Member States shall, in particular, take the appropriate steps to ensure that: **rules governing authorisation, certification and licensing are objective, transparent, proportionate**, do not discriminate between applicants and take fully into account the particularities of individual renewable energy technologies;”

5. AIRO Wind Strategy Mapping Webtool

NIRSA Wind Strategies Mapping Toolkit 111
Beta tool from NIRSA and SEAI



SEAI LARES

High Level Objectives

- Align County Development Plans with National Targets
- Facilitate Consistent Approach to RE by Local Authorities
- Ensure Alignment with Regional Development Plans
- Ensure All Available Resources are Considered
- Provide Appropriate Signals to RE Project Developers
- Facilitate Planning and Development of Electricity Infrastructure for Renewable Energy Projects

Methodology for
LOCAL AUTHORITY
RENEWABLE ENERGY
STRATEGIES

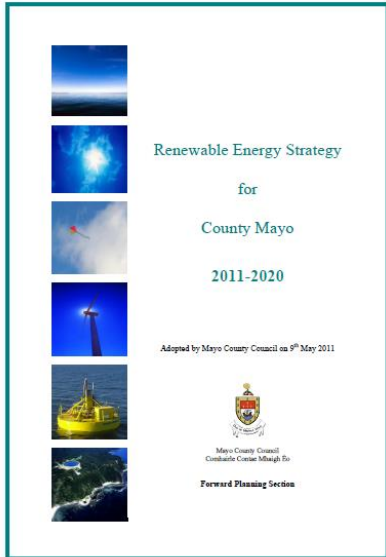


Published/Adopted:

- Mayo 2011 - 2020,
- Kerry 2012 - 2015,
- Roscommon 2013
- Clare 2014 - 2020
- South Tipperary 2014,
- Kilkenny County & Kilkenny City 2014 – 2020

In Preparation:

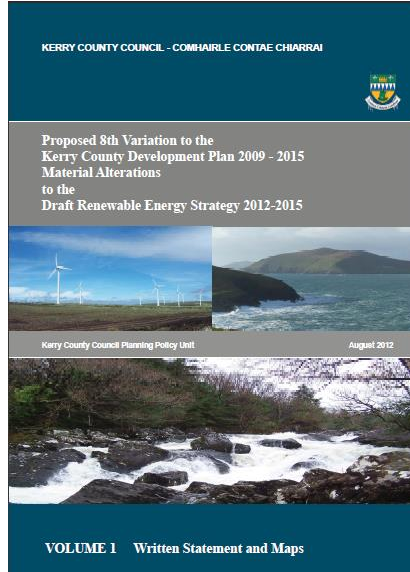
- Louth
- Tipperary
- South Dublin



Renewable Energy Strategy
for
County Mayo
2011-2020

Adopted by Mayo County Council on 8th May 2011

Mayo County Council
Comhairle Contae Mhaigh Eo
Forward Planning Section

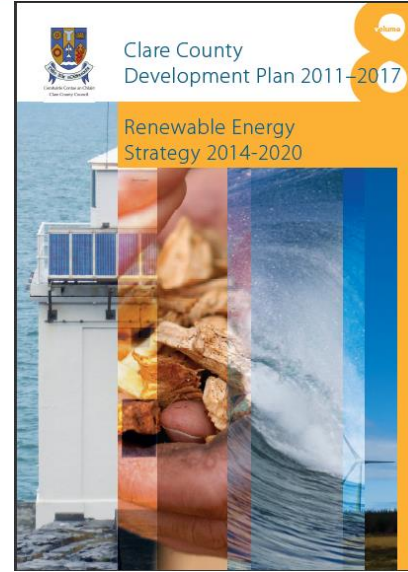


KERRY COUNTY COUNCIL - COMHAIRLE CONTAE CHIARRAI

Proposed 8th Variation to the Kerry County Development Plan 2009 - 2015 Material Alterations to the Draft Renewable Energy Strategy 2012-2015

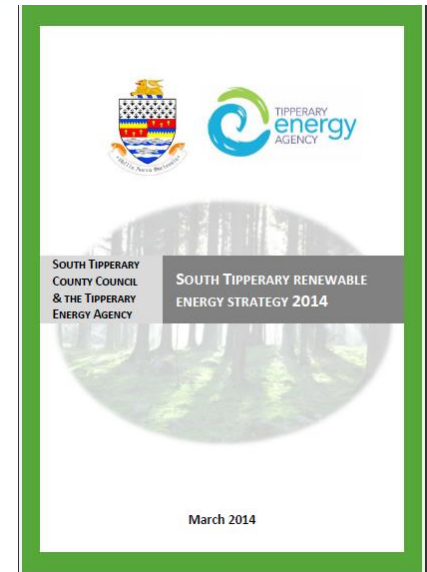
Kerry County Council Planning Policy Unit August 2012

VOLUME 1 Written Statement and Maps



Clare County Development Plan 2011-2017


Renewable Energy Strategy 2014-2020



SOUTH TIPPERARY COUNTY COUNCIL & THE TIPPERARY ENERGY AGENCY

SOUTH TIPPERARY RENEWABLE ENERGY STRATEGY 2014

March 2014



DRAFT ROSCOMMON COUNTY DEVELOPMENT PLAN 2014-2020

RENEWABLE ENERGY STRATEGY
May 2013




County Development Plan
2014-2020




South Dublin County Council
Development Plan
2016-2022



A VISION FOR SOUTH DUBLIN'S FUTURE

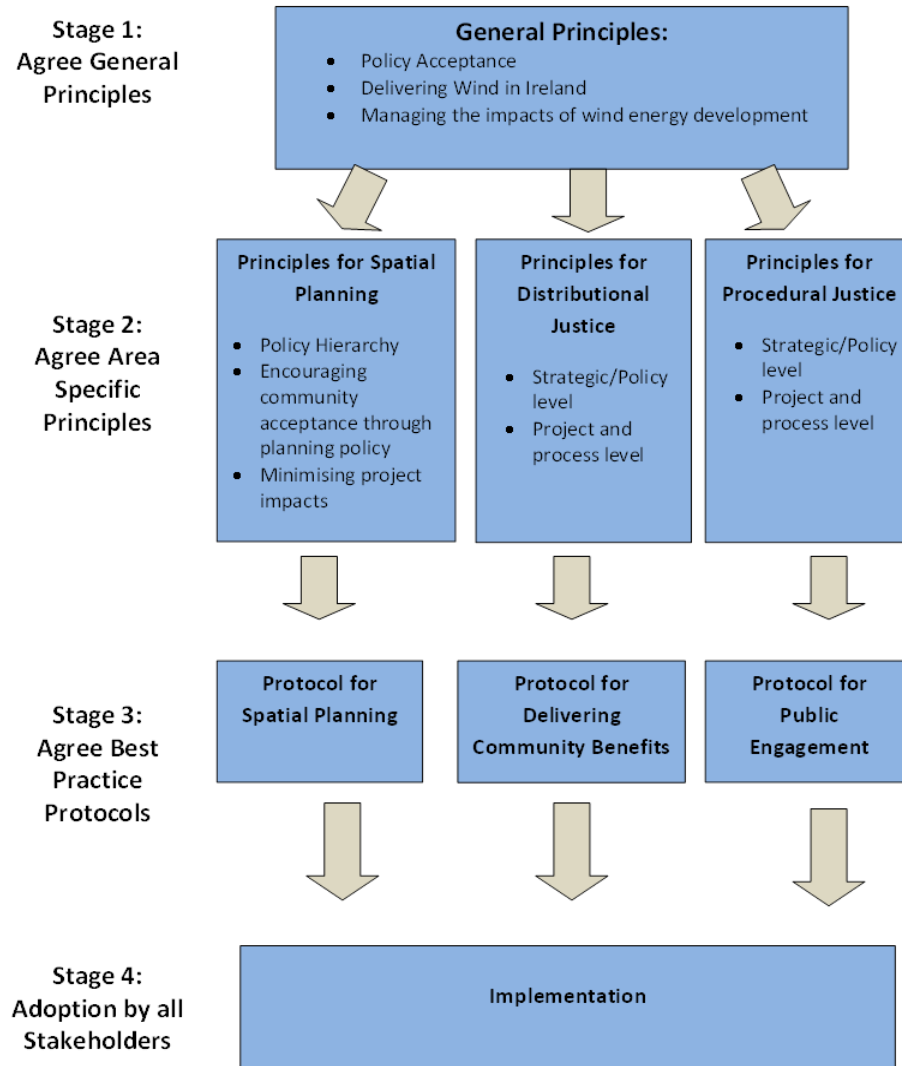
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Can LARES Help With Community Acceptance?



Photo: The Irish Times

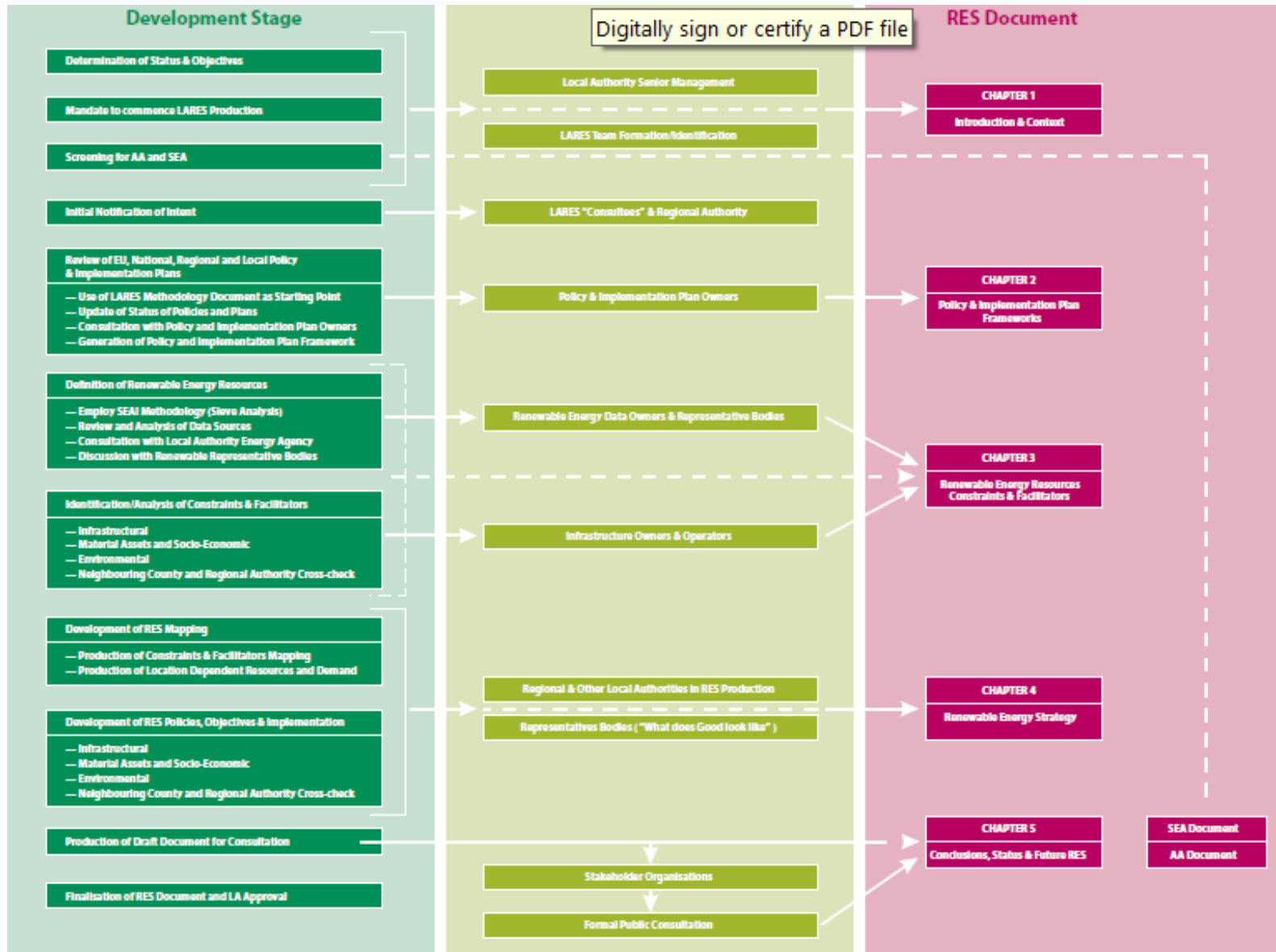
Best Practice Methodology to Promote Community Acceptance of Wind Energy



Key LARES Development Steps

	ACTIVITY	OUTPUT	PUBLIC CONSULTATION
PRELIMINARY PHASE	Define Requirement for LARES	Mandate to proceed with production of LARES	
	AA and SEA Screening	Decision on requirement to proceed with SEA and AA	
STEP 1	Renewable Energy Policy Review	Understanding of Renewable Energy Policy Drivers and "Snapshot" of Current Policy for inclusion in Renewable Energy Strategy	Consultation on LARES Issues Paper
STEP 2	Renewable Energy Resource Assessment	Understanding of available Resources within a Planning Authority area and Constraint and Success Factors for utilising those Resources	
STEP 3	Analysis of Constraints and Facilitators	Definition of 'Planning Authority area Renewable Energy Resource'	
STEP 4	Develop Renewable Energy Policy	Definition of Renewable Energy Policies	Draft LARES Consultation
		Definition of Planning Authority Aims and "Expectation" of Proposed Projects	
		Definition of Status of Renewable Energy within the Planning Authority area	
		Mapping where appropriate	Final LARES Consultation
		Definition of Planning Authority area Renewable Energy Objectives	

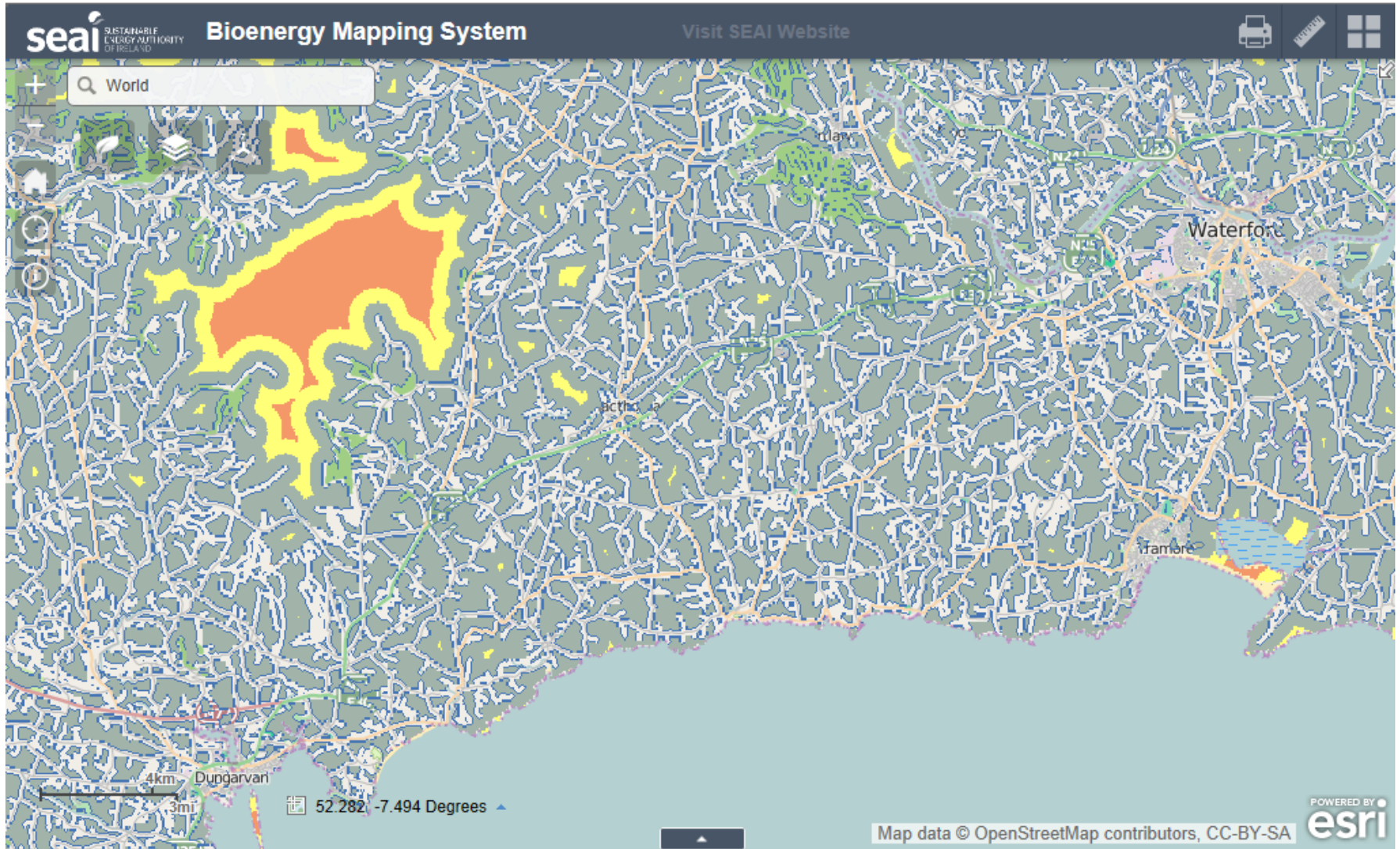
LARES Development Process



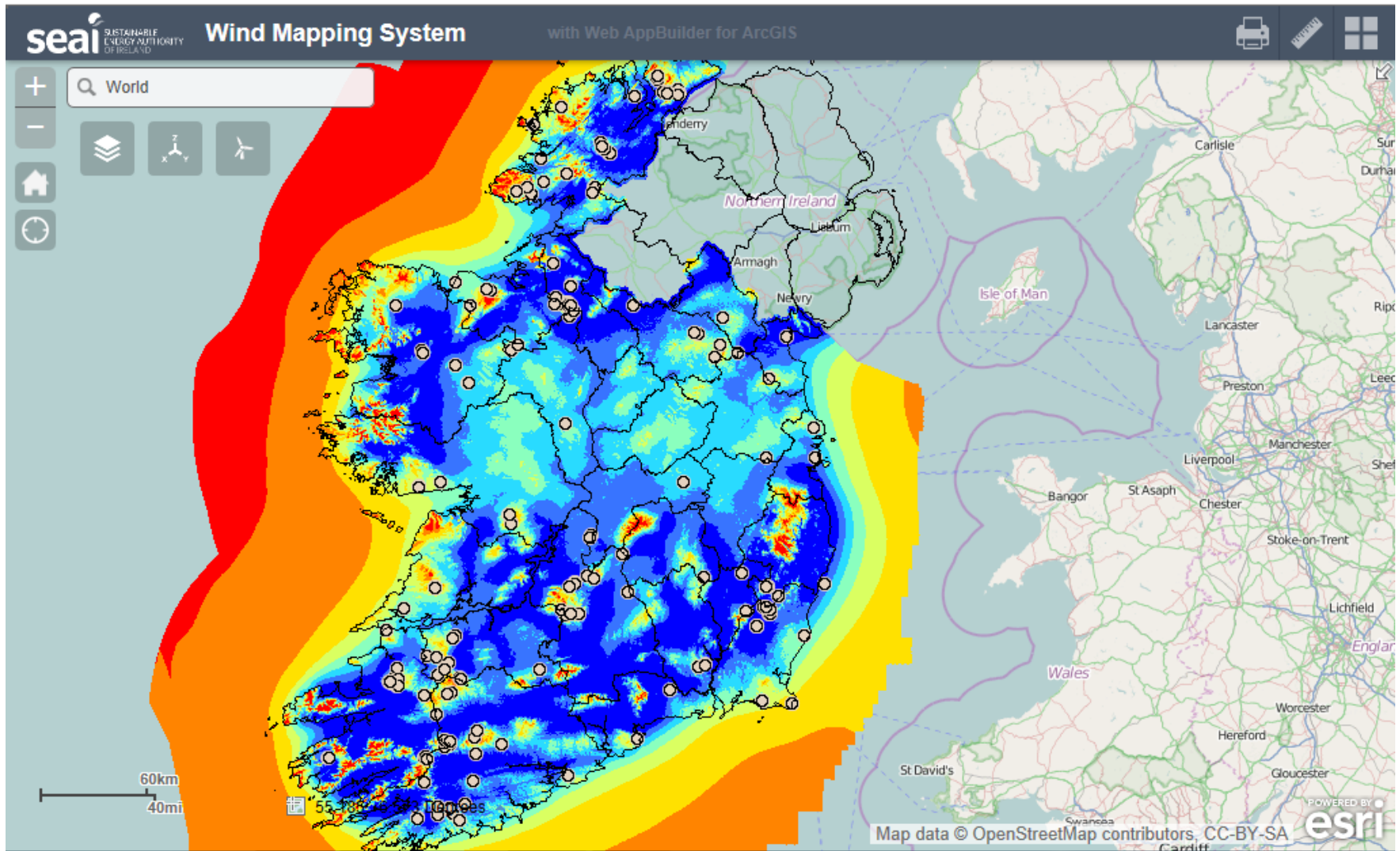
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- A. Renewable Energy Policy, Resources and Conversion Technologies
- B. Renewable Energy Utilisation in an Urban Environment
- C. Environmental Considerations for Renewable Energy Developments
- D. Planning and Implementing Community Engagement Programmes to Promote Social Acceptance of Renewable Energy Strategies

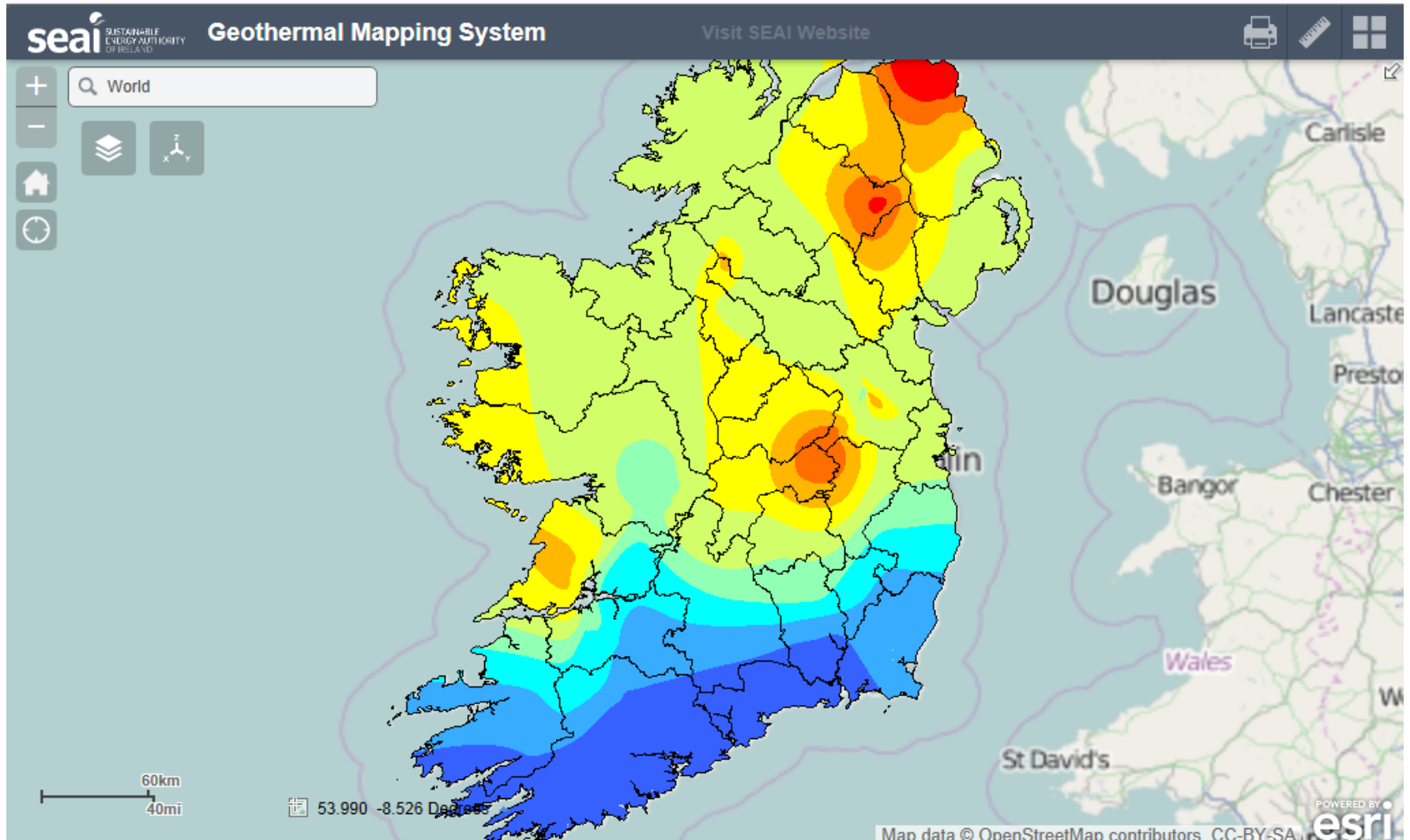
New Analysis Resources: SEAI Online Bioenergy GIS

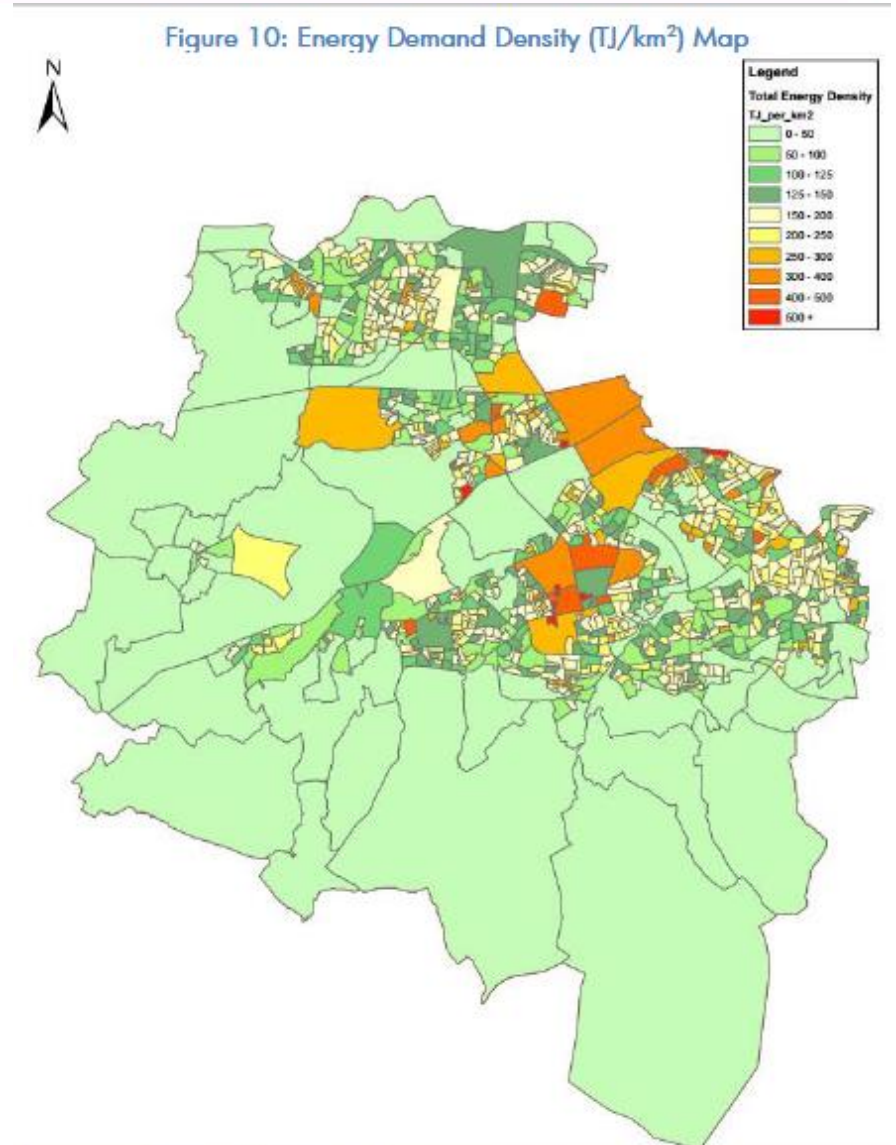
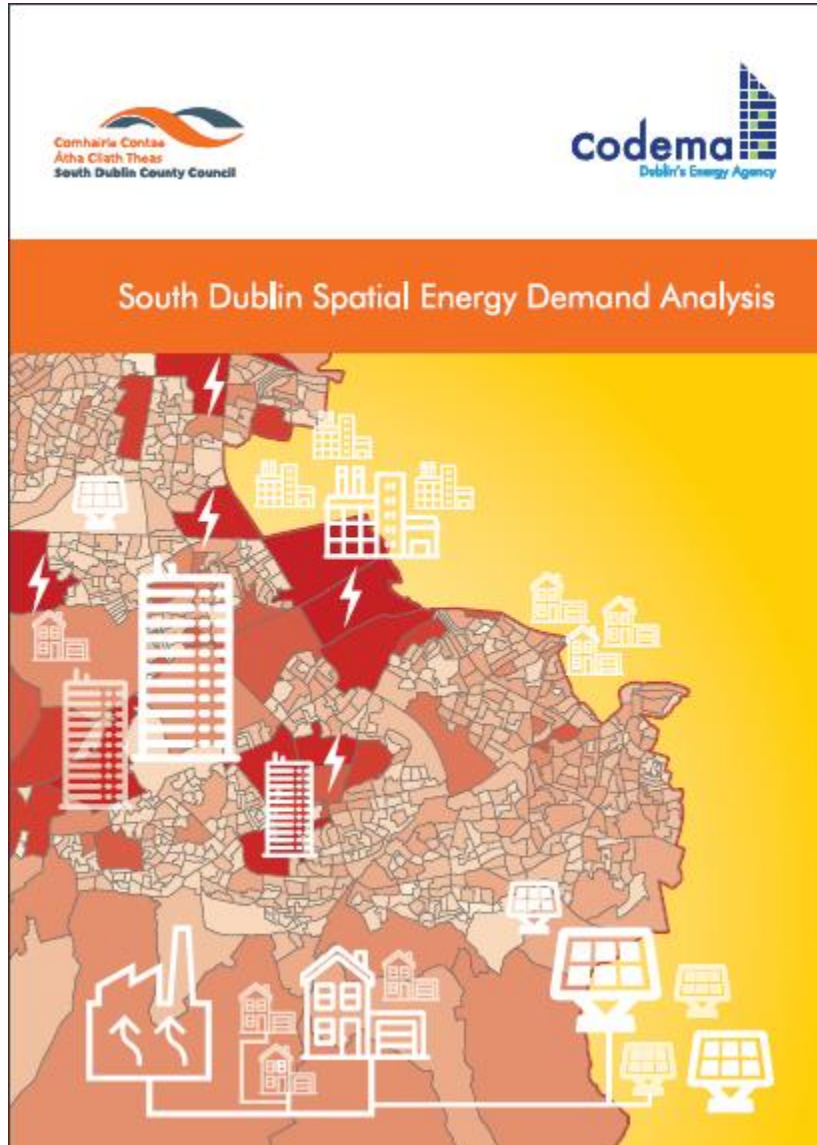


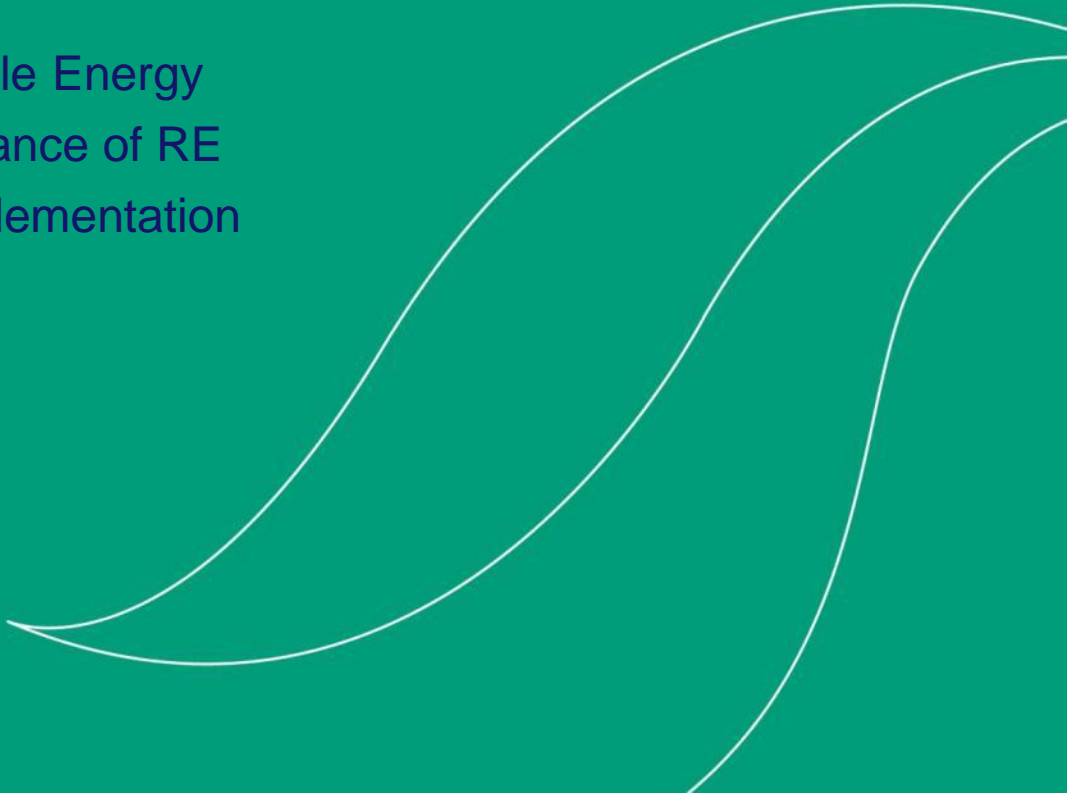
New Analysis Resources: SEAI Online Wind Atlas



New Analysis Resources: SEAI Online Deep Geothermal GIS





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Thank you

John.McCann@SEAI.ie

