

# Energy efficiency measures for traditional buildings in Ireland



Stephanie Brennan: Comharchumann Fuinnimh Oileáin Árann Teoranta

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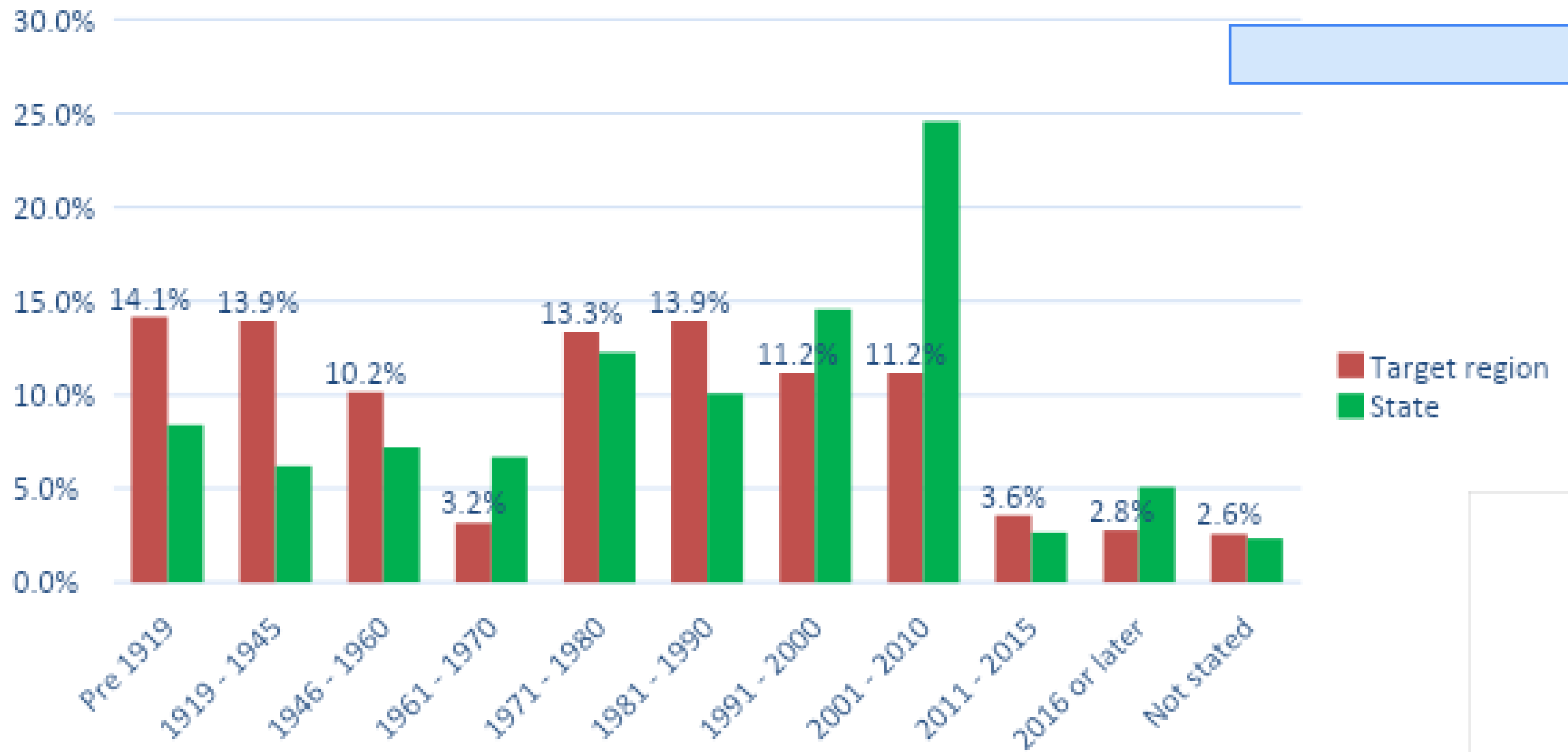


# THE ARAN ISLANDS

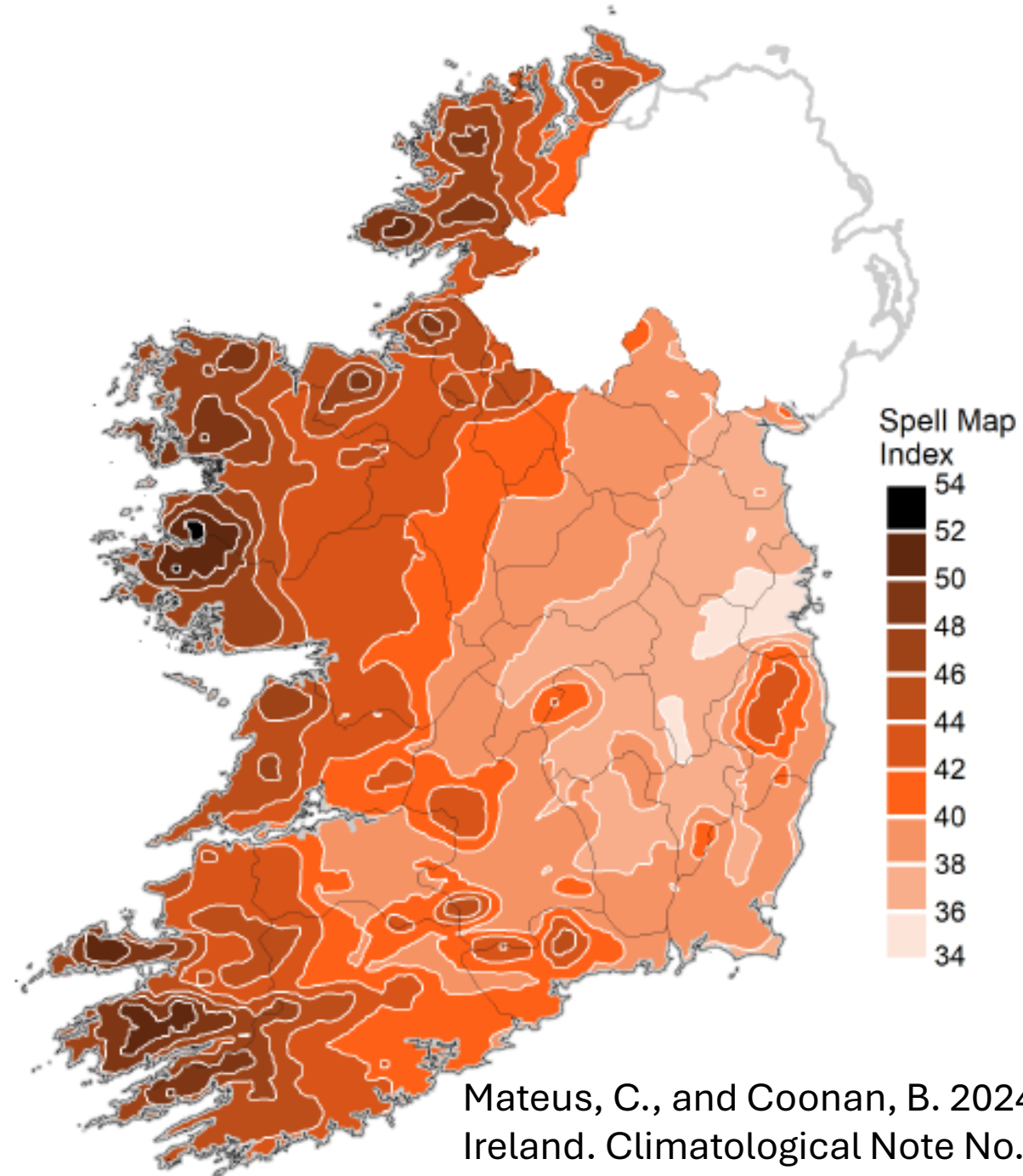
Population 1347



## Housing age







Mateus, C., and Coonan, B. 2024. Distribution of driving rain in Ireland. Climatological Note No. 17. Met Éireann



# Aran Islands the DZ in the Local Authority Climate Action Plan

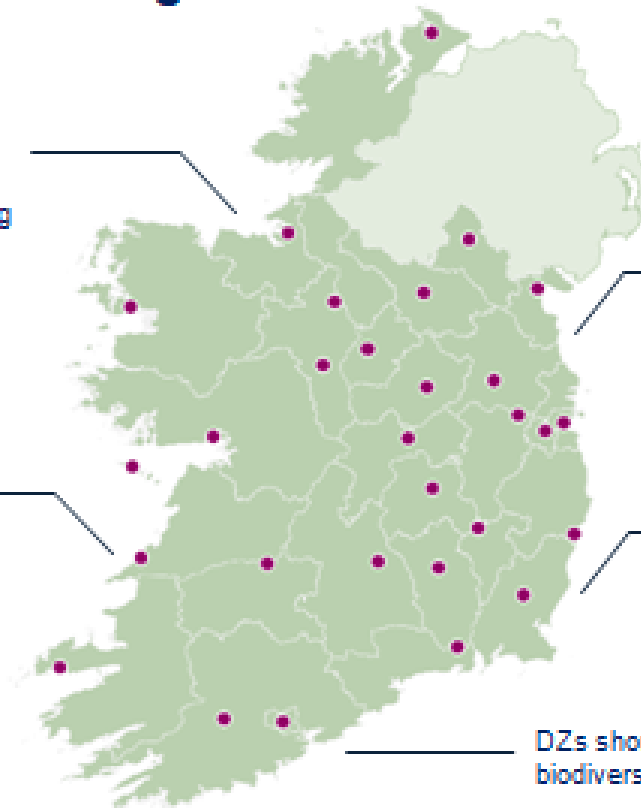
Slide credit: Tina Ryan

The Role of DZ and the LA

## What is a Decarbonising Zone?

A Decarbonising Zone (DZ) is a spatial area, identified by each local authority in Ireland, in which a range of climate change mitigation measures are identified to contribute to meeting national climate action targets

Through a feedback loop of experimentation and evaluation, the DZ enables a flexible, incremental and community-driven approach to ensure that its objectives are delivered



DZs are a demonstration and testbed of what is possible for Decarbonising and climate action at a local and community level

Each DZ is unique, there is no 'one size fits all' approach to developing a DZ

DZs should consider adaptation and biodiversity and address wider co-benefits

# Aran Islands Galway County Decarbonisation Zone Workshop 11/10/2023

- In addition to responding to actions for the Aran DZ in the local Climate Action Plan there was an opportunity to brainstorm in a visioning session to identify the islands' energy need
- With the stakeholders present, the three priorities identified were (in order of importance)
  1. Housing stock assessment/retrofit
  2. Energy security
  3. Transport on and to and from the islands

In relation to the first priority, the following statement was made *"That each home on the islands would achieve a BER rating of B2 and get support to achieve this"*



Clean energy for  
EU islands:  
Energy efficiency in  
residential stone buildings

Energy efficiency in residential stone buildings,  
especially in cold and damp climates

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Authors: Econoler

Reviewers: Th!nk E, 3E

Highlights EU regulations and directives to  $\uparrow$  energy efficiency and  $\downarrow$  carbon emissions, as well as Ireland's national policy framework.

Improve thermal performance while preserving the external appearance of buildings

Include thermal renders, insulating panels, cladding systems, double- /triple-glazed windows, and heat recovery ventilation systems.

Emphasises the importance of a holistic approach to retrofitting

Successful implementation of energy-efficient retrofits needs supportive policies, financial incentives, and well-structured programmes





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