

Supporting the transition to an inclusive, net zero-emissions, climate- resilient economy in Belfast Debbie Caldwell, Climate Commissioner, Belfast City Council



Belfast declared a climate emergency

Resilience and Sustainability Board

Living With Water in Belfast Carbon Disclosure Project, RTZ and RTR Established a £1m Climate Fund Sustainable Tourism Index NI Climate Change Act Green Growth Strategy

## Belfast's Net Zero journey





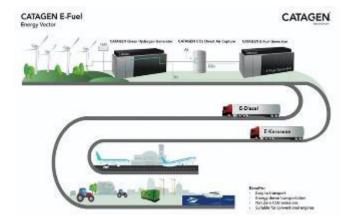
### Focus in on the opportunities

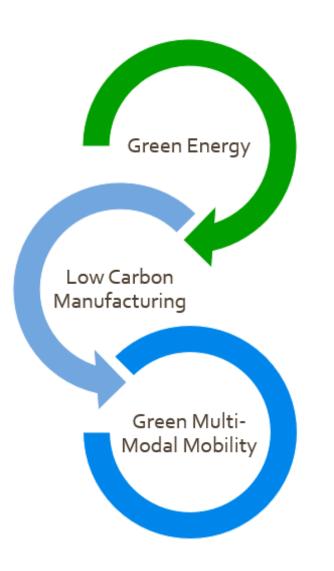
### And on unlocking the economic, social and environmental benefits

### Create a value proposition for Belfast as a green city











# Keeping climate at the top of the agenda



# Measuring, monitoring and reporting

#### A NET-ZERO CARBON ROADMAP FOR BELFAST

Andy Gouldson, Andrew Sudmant, Jessica Boyd, Robert Fraser Williamson, John Barry & Amanda Slevin









WAST

The Carbon Footprint of Waste

Belfast

# **1.5C**

The level of rise where we trigger dangerous climate change

# 14m

Tonnes. Belfast's share of the global carbon budget 2020-50

1.5m

Tonnes of carbon per year emitted by Belfast



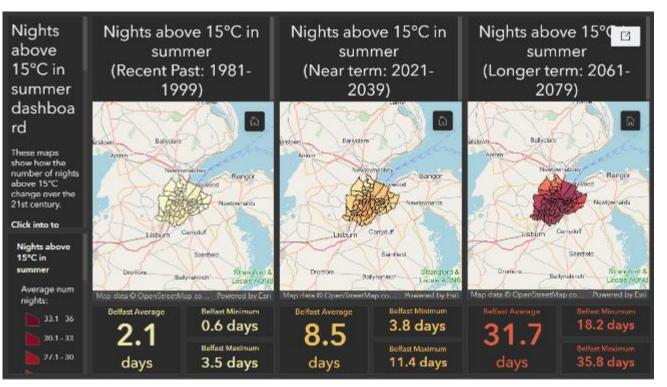
The year we will have used up our carbon budget

42%

Decline in Belfast's emissions since 2000 66% by 2025 80% by 2030 100% by 2050

# Belfast - the road to





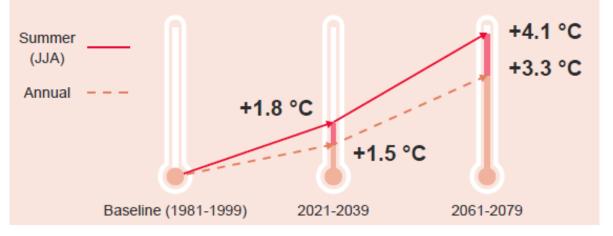


CSE

3154

C18

858



Heat maps for Belfast

Four Winds

0270

Holywood

Redburn Country Park

C282

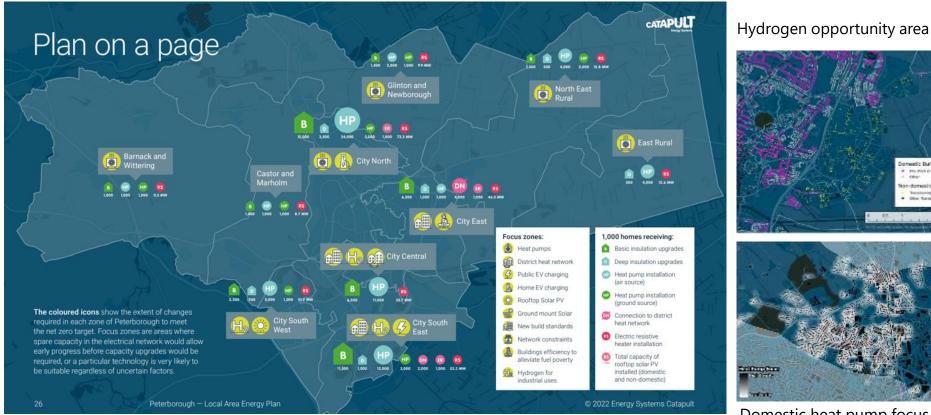
Andonald

C270

#### **LAEP OUTPUTS - EXAMPLES**

### Local Area Energy Plan for Belfast





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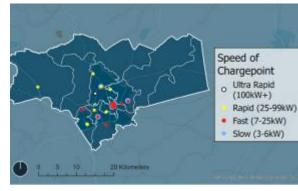
Domestic heat pump focus zone



Domestic rooftop PV focus zone



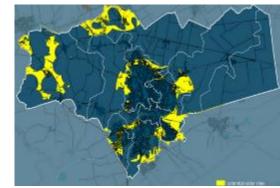
Heat network focus zone



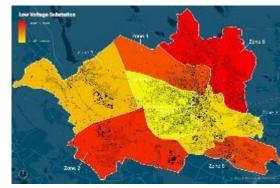
Public EV charging hubs



Fabric retrofit focus zone



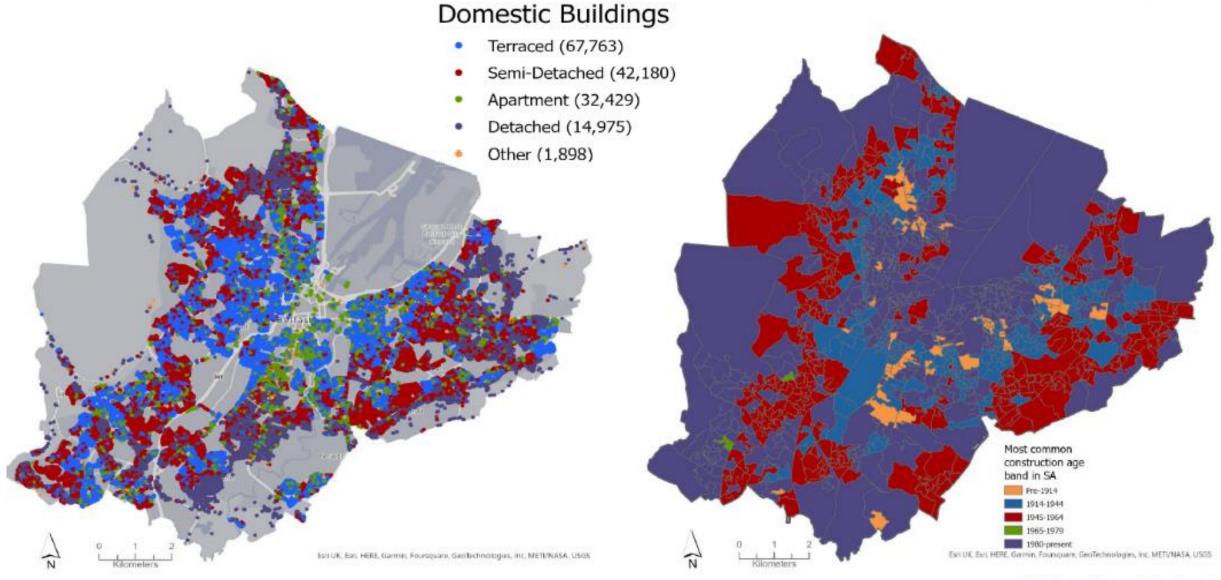
Large scale renewables opportunity areas



Energy network impact

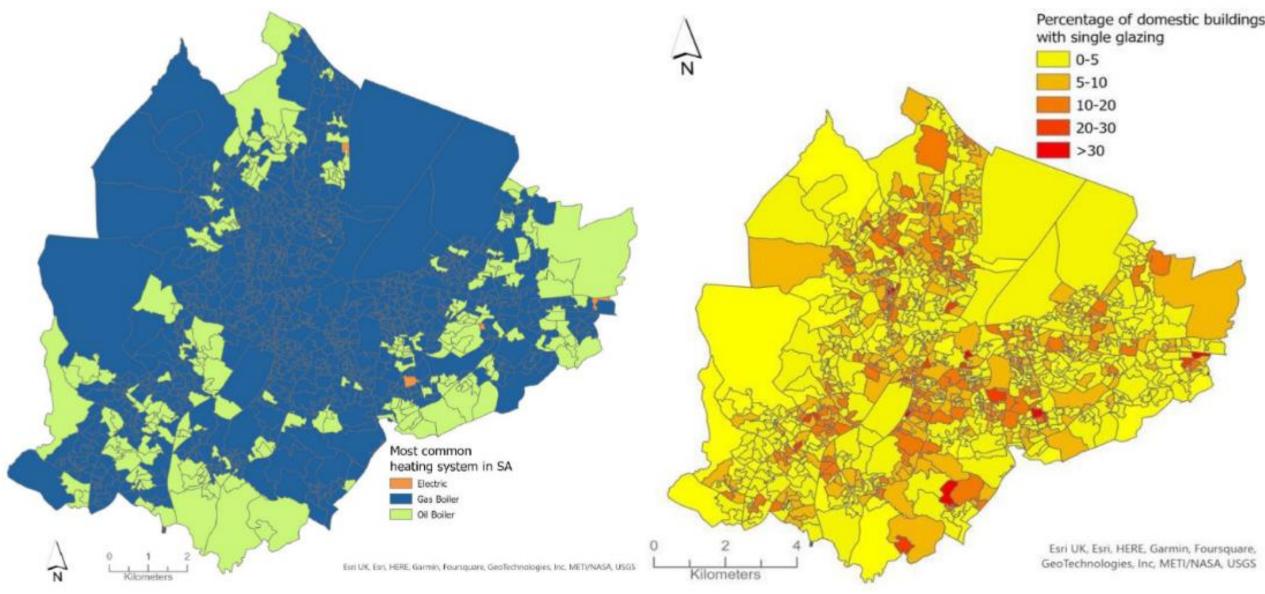
#### Domestic

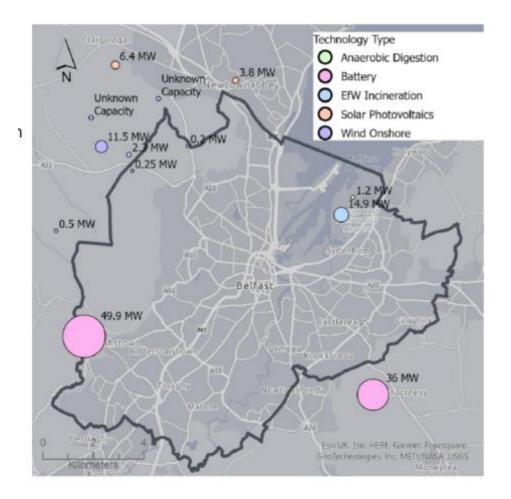


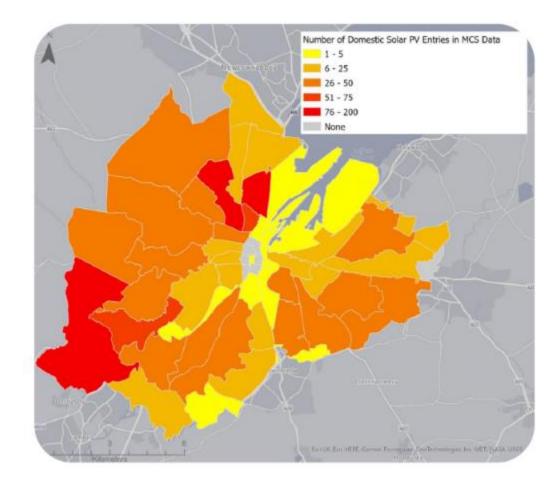










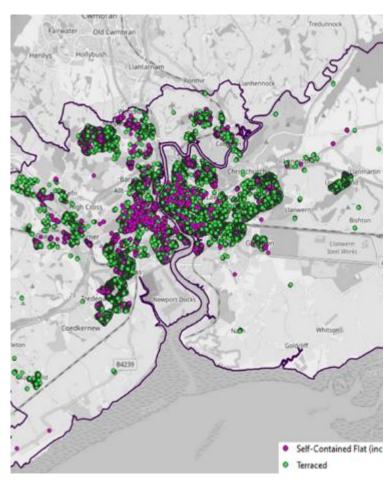




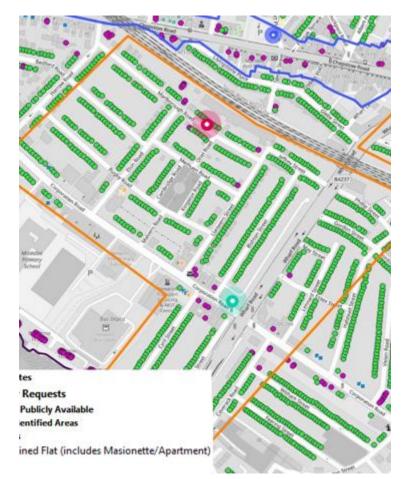
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### EVI – strategy Area Site Technology Model

Area



Site

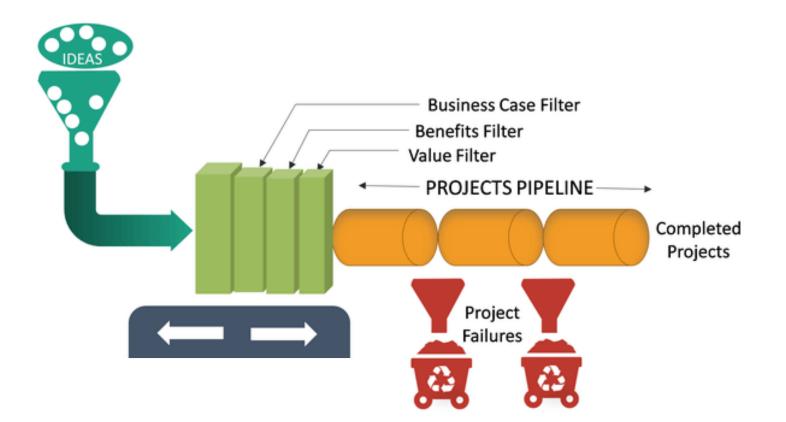


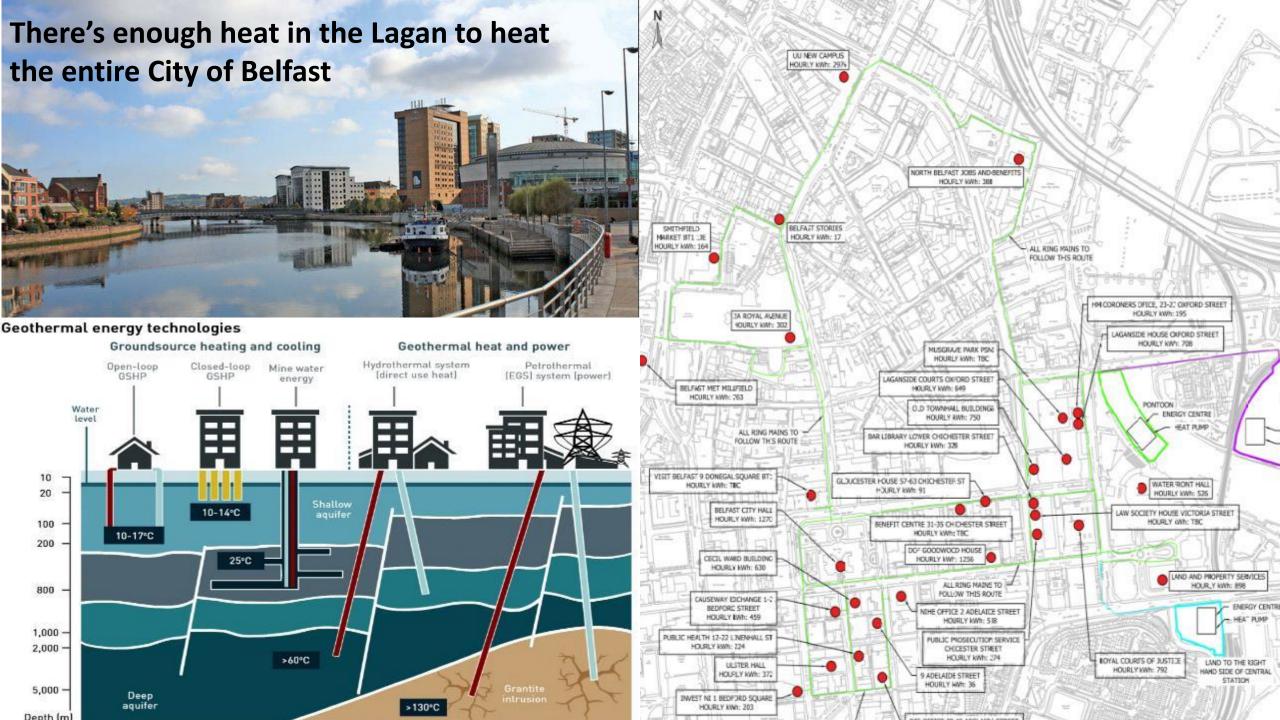
Technology



Keeping the issue at the top of the agenda

# Build a pipeline of projects





### **City centre heat network**





Key issue

50 100 150 200 250m

No heat network support scheme for NI and no planning requirement for new builds to connect to heat networks if available

# Keeping the issue at the top of the agenda

### Strengthen coordination, collaboration, outreach





### Belfast retrofit hub

# **Belfast retrofit hub**



Greening Our Existing Homes National retrofit strategy A consultative document





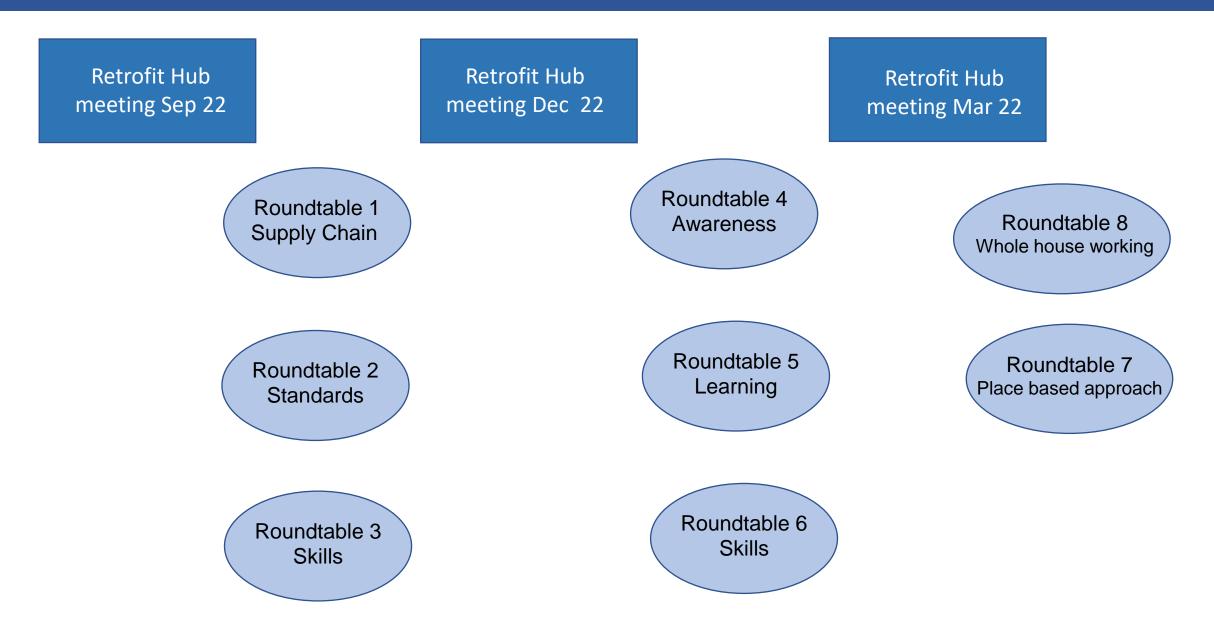








# **Belfast retrofit hub**



# Keeping the issue at the top of the agenda

Engaging financial institutions and the investment community



E2.2bn per year to decarbonise Northern Ireland E2.5bn to decarbonise housing and transport in Belfast

















1. Grants for retrofit and heat networks

2. Seed funding for project development

3. Behavioural change

4. Capacity to engage across multiple sectors to ensure a whole system approach

# It can be done