

A large, dynamic splash of water in shades of blue, forming a shape reminiscent of a world map, serves as the background for the slide.

# Introducing the Carbon Trust

**Ben Lynch**, Public Sector Manager,  
ICN Summit 2014, Copenhagen

# Introduction to the Carbon Trust

- › We are an independent, expert partner of leading organisations around the world, helping them contribute to and benefit from a more sustainable world
  - We **advise businesses, governments and the public sector** on their opportunities in a sustainable, low carbon world
  - We **measure and certify the environmental footprint** of organisations, products and services
  - We help **develop and deploy low carbon technologies and solutions**, from energy efficiency to renewable power
- › We have about 160 employees working around the world from offices in the UK and China

***Our mission is to accelerate the move to a sustainable, low carbon economy***

Check out our Low Carbon Cities website.....  
[www.lowcarboncities.co.uk](http://www.lowcarboncities.co.uk)



lowcarboncities



Email:

Password:  

[Forgotten your login details?](#)

## The Programme

### The LCCP process

- Step 1

- Step 2

- Step 3

- Step 4

- Step 5

Baseline Tool

About us

Contact us



Mobilise City  
Stakeholders



City-Wide State  
of Play Audit



Identify City-Wide  
Opportunities



Develop City  
Strategy

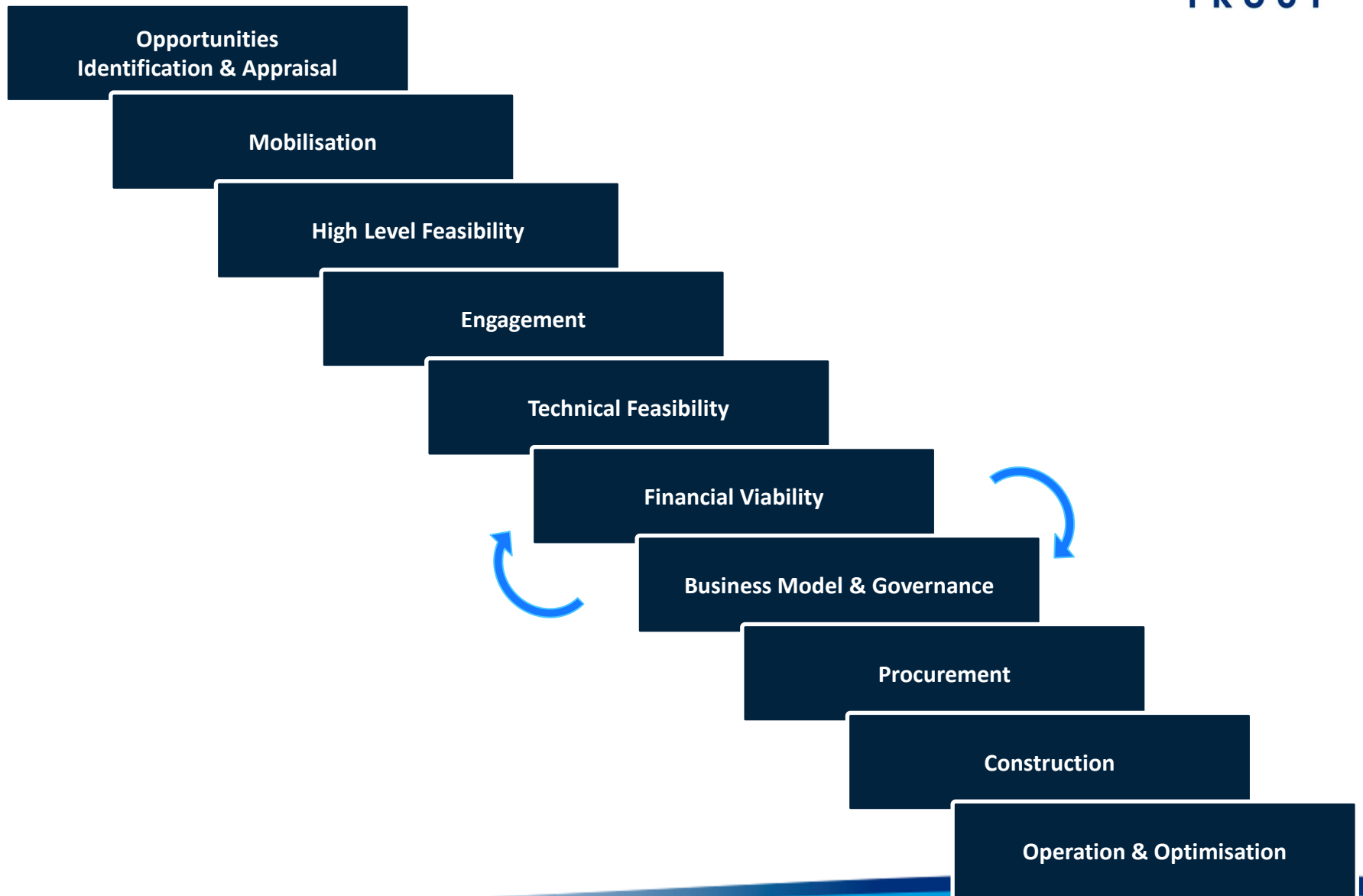


Implement  
and Review

## The LCCP process

Please use the links on the left to navigate around the different steps of the toolkit.

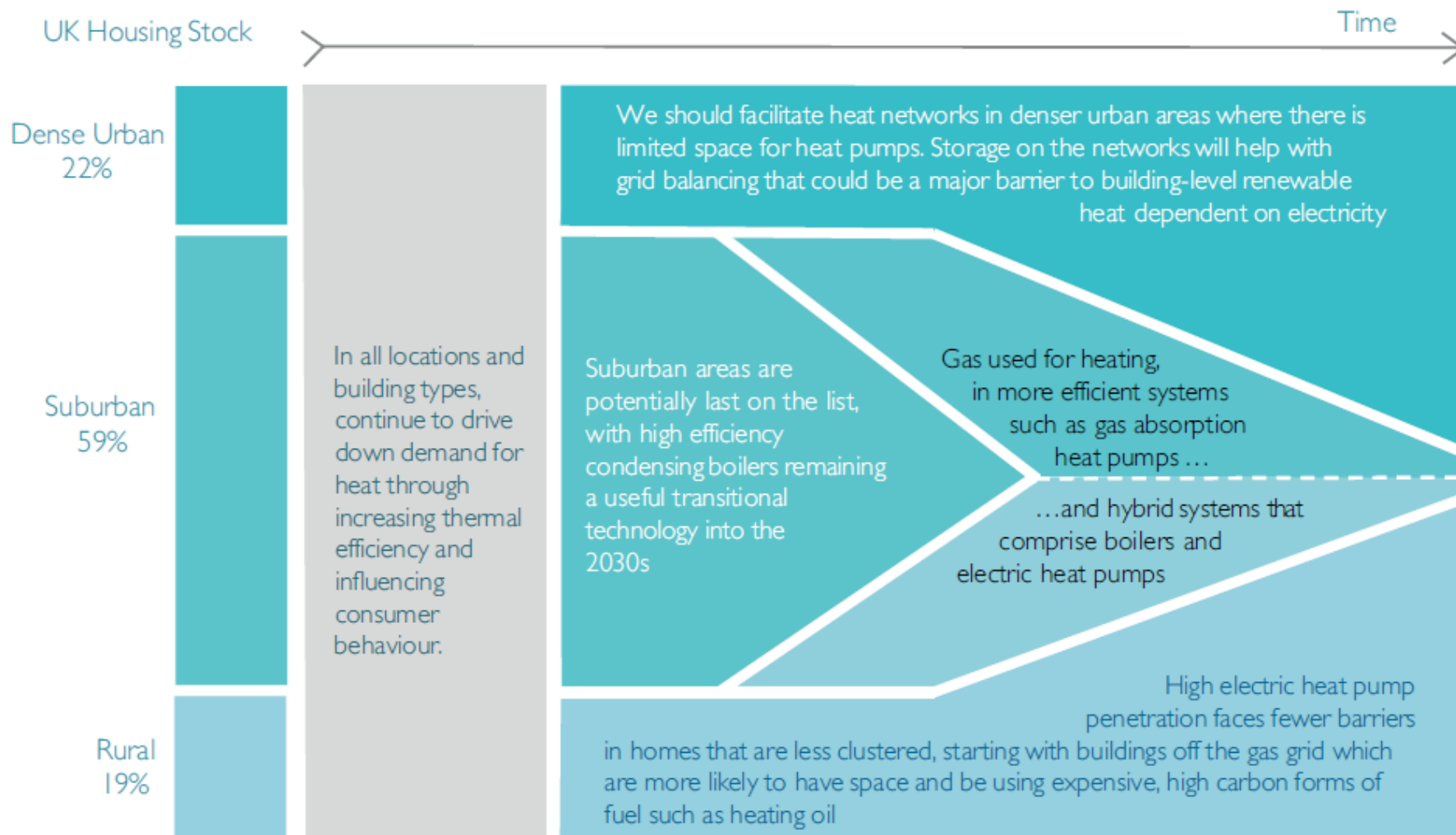
# Decentralised energy customer journey



## Bristol – 2015 European Green Capital

- › Bristol City Council secured ELENA funding
- › European Investment Bank Grant for feasibility/taking projects to market
  - › District Heating
  - › Large scale roof Solar PV programme
  - › Green Deal/Domestic retrofit
  - › Public Sector retrofit
- › BUT, requires the City to go ahead with projects in a timely manner if economically viable

# Strategic Framework for Low Carbon Heat in Buildings



# Achieving Decarbonisation of Heat in cities

## Renewable heat in individual buildings

Replacing fossil fuel heating systems with alternatives such as heat pumps and biomass boilers

at building level

## Heating networks using a low carbon heat source

Generating heat centrally and supplying it to buildings via pipes and heat exchangers

at district level

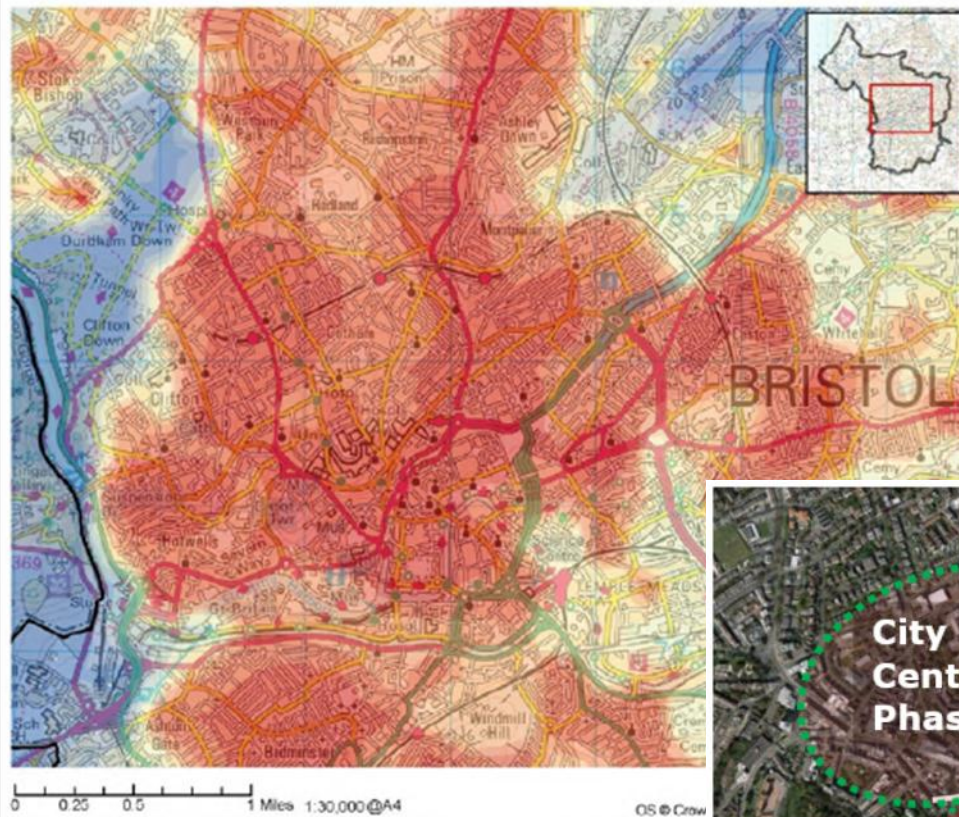
## Creating a low carbon gas grid

Injecting biomethane into the existing gas grid or building a grid that can use hydrogen

at national level



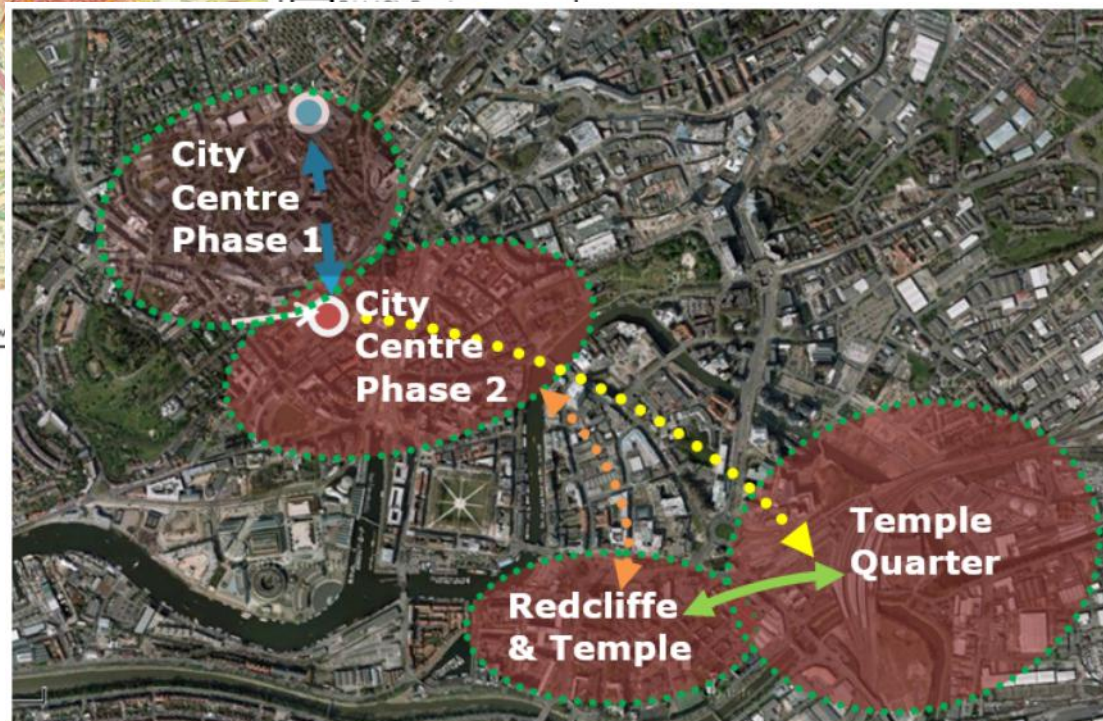
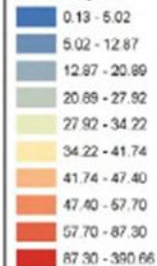
# Heat Demand Density Contours, City Centre detail



BRISTOL SUSTAINABLE  
ENERGY SURVEY  
2009

CSE on behalf of  
Bristol City Council

Heat Density Deciles  
kWh/m<sup>2</sup>/year





# Thanks for listening!

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