



# Heat Networks Delivery Unit

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**Heat Networks Delivery Unit**

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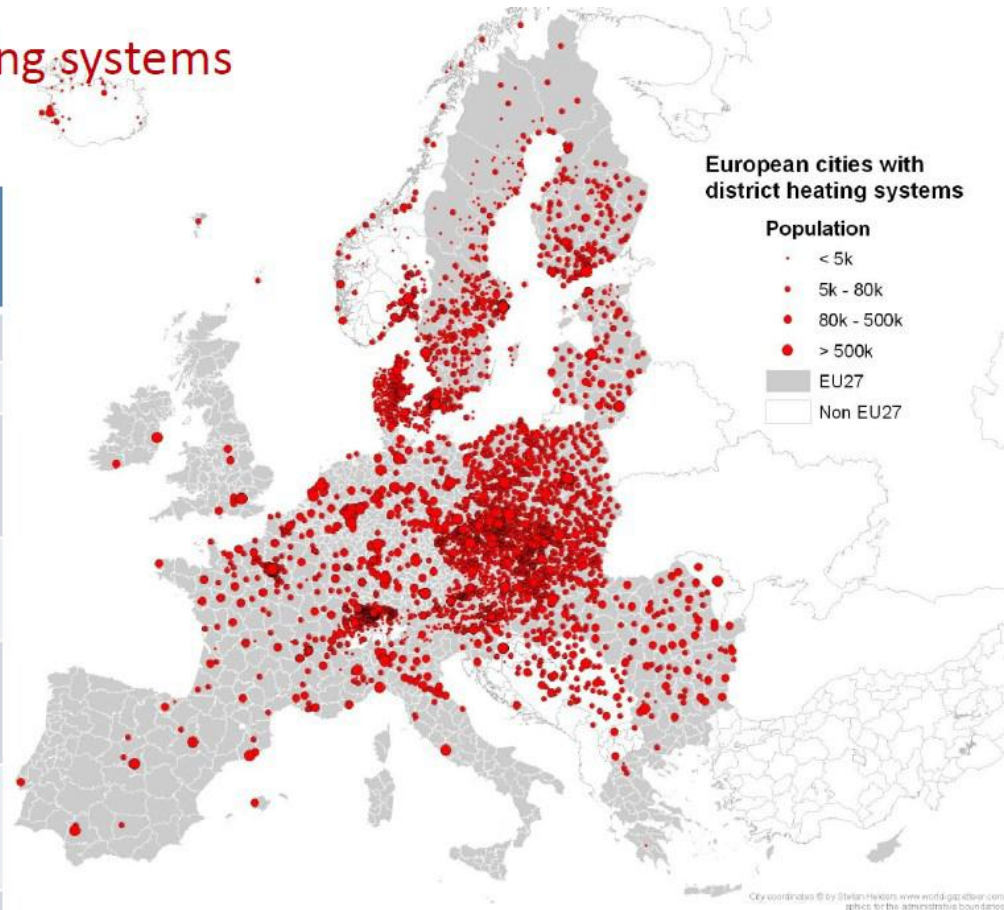
# Background

# Number of heat networks in Europe gives an indication of the overall potential...



- European district heating systems

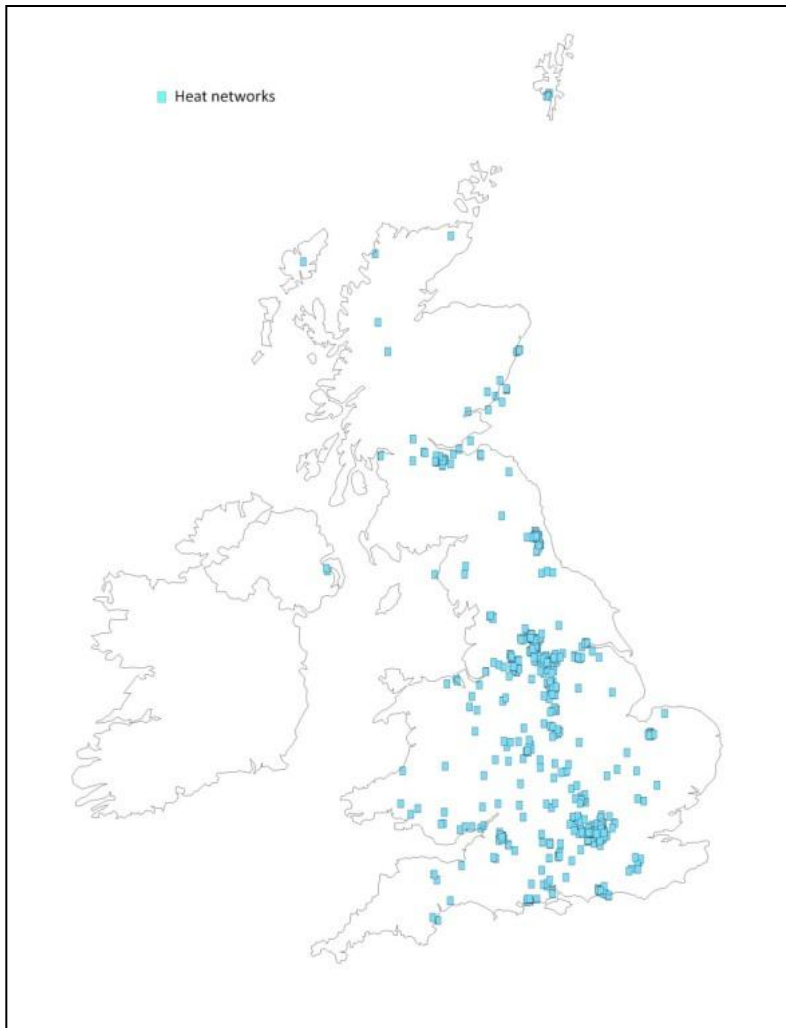
	Europe	EU27	EU27 population concerned	
			[Mn]	[%]
<b>Systems</b>	4174	3549	60	12
- in cities over 5000 residents	2778	2430		
<b>Cities concerned</b>	3731	3233	141	28
- cities over 5000 residents	2432	2173		
<b>NUTS3 regions - concerned</b>	660	600	287	57
<b>NUTS3 regions - all</b>	1461	1303	500	100



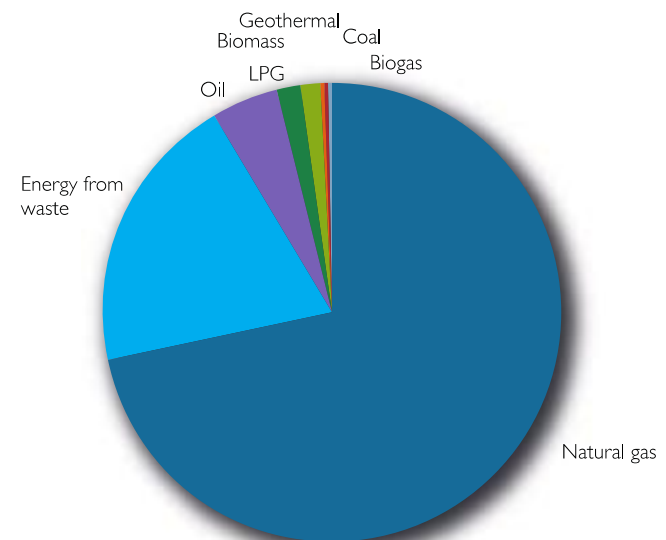
District heating systems in Europe according to the current content of the HUDHC database (June 2012)



# Heat Networks: the situation in the UK now



- 2000 networks
- 2% of domestic, public and commercial demand
- Predominantly natural gas fired



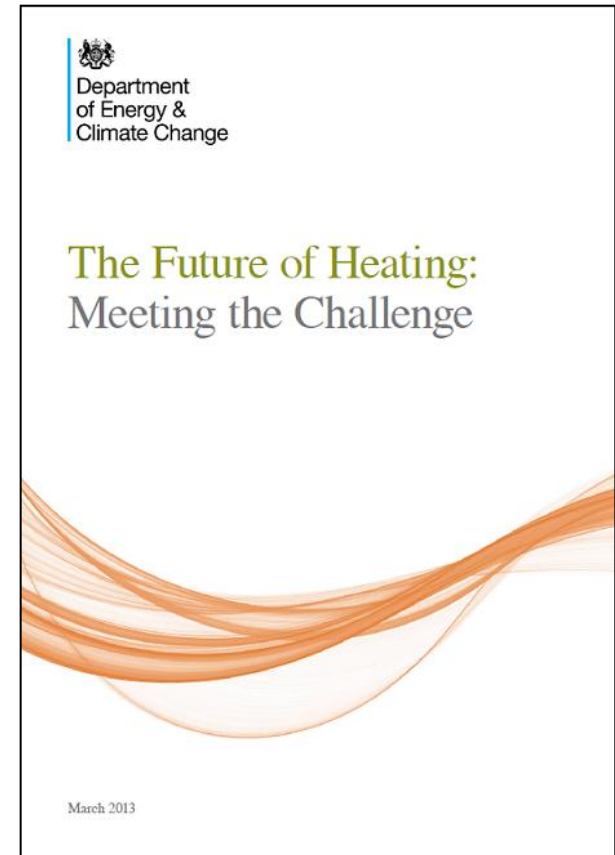
# “Meeting the Challenge” covers the whole spectrum of heat in the UK



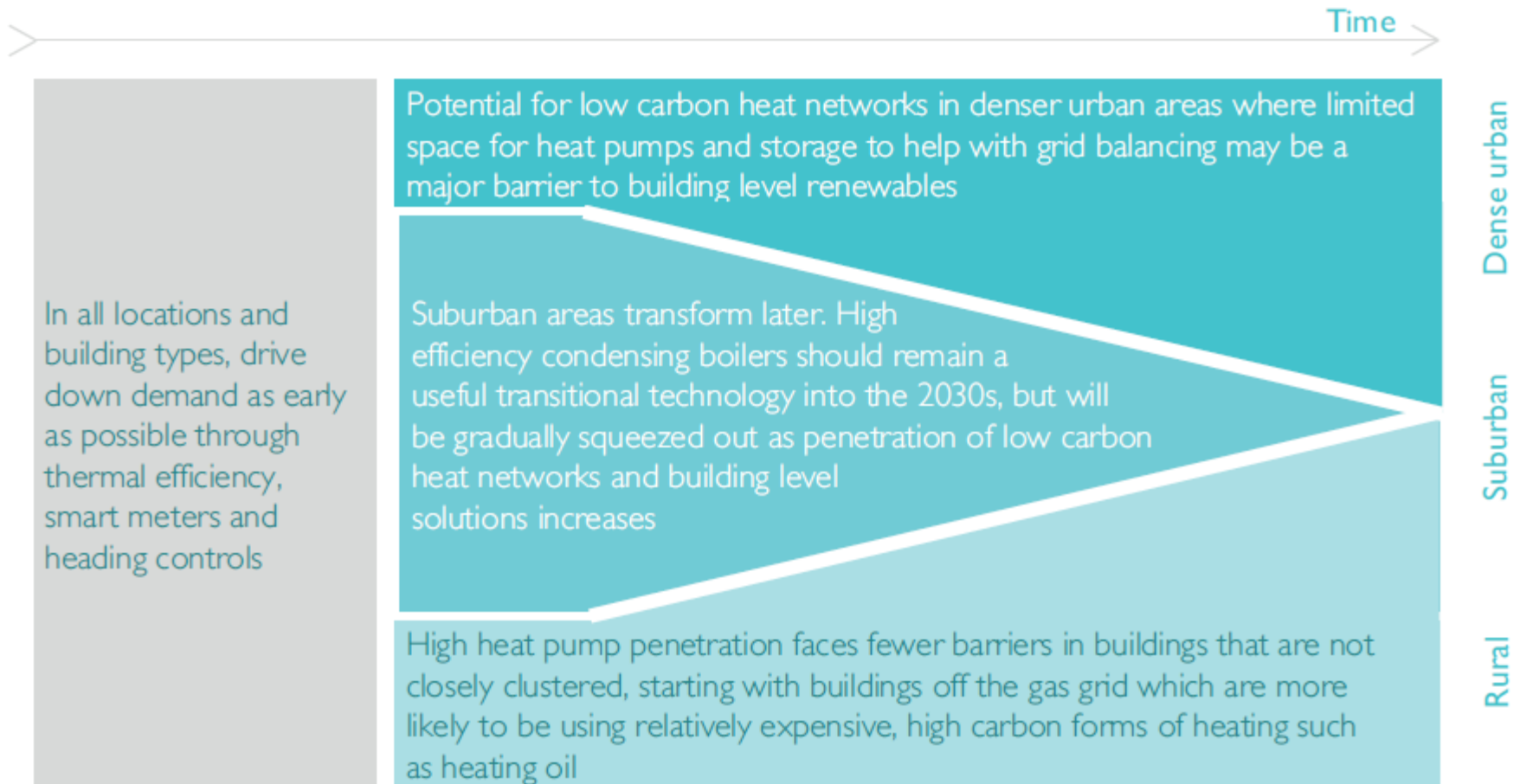
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## Contents

- Ministerial Foreword
- Introduction
- Chapter 1: Efficient low carbon heat in industry
- **Chapter 2: Heat networks**
- **Chapter 3: Heat and cooling for buildings**
- Chapter 4: Grids and infrastructure
- Evidence Annex



# “Meeting the Challenge”





## Importance

- Strategic planning – based placed to develop supporting policies and masterplanning
- Geographical responsibility – road management, land ownership provision of sable heat loads
- Heat networks benefits: fuel poverty / de-carbonisation / promoting growth

## Barriers

- Capacity and capability
- Skills & knowledge
- Capital cost
- Development funding



## Local authority-led schemes

- Obtaining funding for feasibility/viability work
- Selecting suitably qualified consultants and procuring advice
- Identifying internal resources to instigate scheme and overcoming lack of knowledge
- Obtaining capital funding for project delivery



## Next steps



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### ‘Meeting the Challenge’ identified 11 actions, including:

- Setting up a **Heat Networks Delivery Unit** and **making a development funding stream available** (£6m, available to support and assist local authorities over the next 18 months)
- Supporting the establishment of an industry-led customer **code of conduct**
- **Supporting technical innovation** in design and installation
- Examine scope for extra **financial support** for heat networks through the **RHI** (as part of RHI review 2014)
- Transposition of the **Energy Efficiency Directive**, with regard to heat metering
- Development of **technical standards**



# Operation



## **The Heat Network Delivery Unit funding stream is ONLY available to Local Authorities.**

Funding will be delivered in accordance with Section 31 of the Local Government Act.

The process is designed to deliver the funding to the Local Authorities quickly and with as little bureaucracy as possible.

***“It’s not just about the money...”***

## **Expert support and advice**

- Support, guidance and advice to Local Authority project teams
- Improving skills & knowledge base
- Delivery focussed

## **Fund management (£6m)**

- Contribution (67%) towards the cost of external advice
- HNDU to assess applications on the basis that the project should be working towards an ‘investable solution’



# The HNDU offer - Typical criteria

- Credible prospects for commercial development
- Political and Chief Officer support from the LA
- Clear contribution of outputs and outcomes of support
- Compliance with the EU Directives
- Track record of delivering capital projects
- Development of a project structure: Evaluation, monitoring and governance of project



# The HNDU offer – scope of works

The funding is available to support a wide range of activities associated with the development of heat networks

This will include initial works, such as heat mapping, energy master planning and feasibility work

Preparation of a business case, commercial delivery options and project economics

Financial and technical evaluation

Development of governance structures for ongoing operation of heat networks

Preparation of funding proposals

# The HNDU Offer



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GIB /  
private  
investment

HNDU



DECC funding



## HNDU Recruitment

- HNDU team recruitment almost complete

## HNDU Timeline

- Round 1 Closed – 54 applications from 31 Local Authorities
- Round 2 Open – Bids round open until **31<sup>st</sup> January 2014**



# Contact Details



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For more information go to:

<https://www.gov.uk/government/policies/increasing-the-use-of-low-carbon-technologies/supporting-pages/heat-networks>