



Department for
Energy Security
& Net Zero

LOCAL NET ZERO HUBS

MAKING NET ZERO PROJECTS HAPPEN





Department for
Energy Security
& Net Zero

Local Net Zero Hubs

A national network of local partnerships, created by government to support local authorities and the communities they serve to develop and deliver heat and energy projects

 north east & yorkshire
NET ZERO HUB

 north west
net zero hub

 MIDLANDS
NET ZERO HUB

South West
NET ZERO
HUB 

 Greater
South East
Net Zero Hub

Our aims



Increase the number, quality, and scale of local projects being delivered



Enable local areas to attract public or private finance for projects



Raise awareness of the opportunities and benefits of local projects



Support co-ordination and collaboration between partners



Projects we support



**Net Zero Strategies
and Planning**



**Building
decarbonisation**

**Tackling fuel
poverty**



**Local
renewable
energy and
storage**



**Transport
decarbonisation**



**Community
energy**

**Heat network
development**



**Local Area
Energy Planning**



Heat network zoning

We are hosting support for local authorities on behalf of the Department for Energy Security and Net Zero's central implementation team.

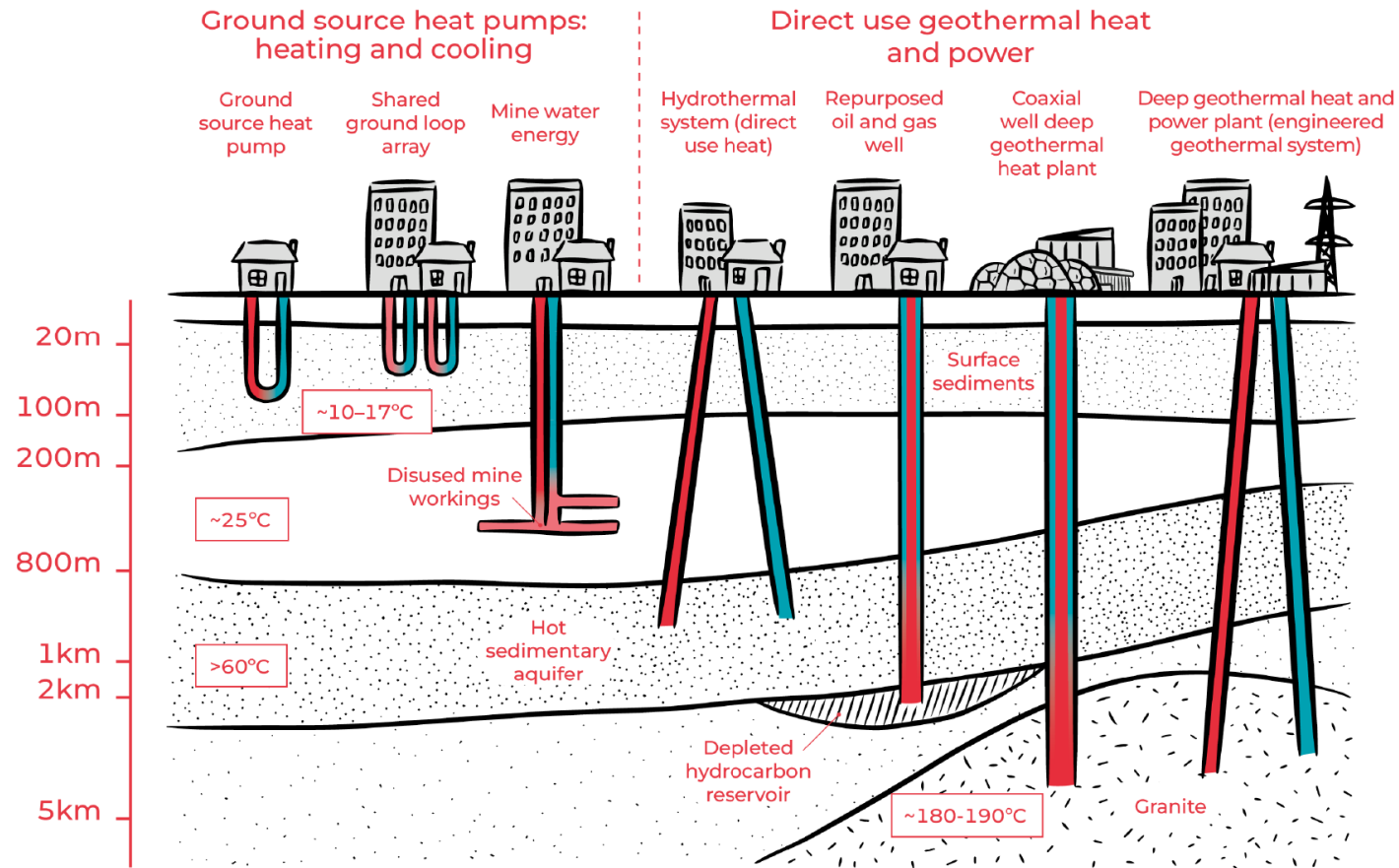
- Coordinating zoning communications to prepare local authorities for heat zoning.
- Studying and raising awareness of local needs and supporting informed decision making which optimizes the use of local heat energy.
- Providing a link between local operations and national objectives - ensuring local activities align with broader strategic goals.
- Helping to plug gaps in local knowledge and preparedness for zoning.



Heat networks in the UK

- Heating accounts for 37% of UK carbon emissions
- Currently 2-3% of UK heat demand met by heat networks - but CCC say it needs to be 18-20% achieve Net Zero by 2050.
- In Denmark - it's already 70%
- There are about 500,000 homes in the UK which are heated by heat networks - a similar figure to Paris and Munich.
- Public estate are huge emitters - but with predictable and continuous heating requirements could be ideal customers.

Geothermal technologies



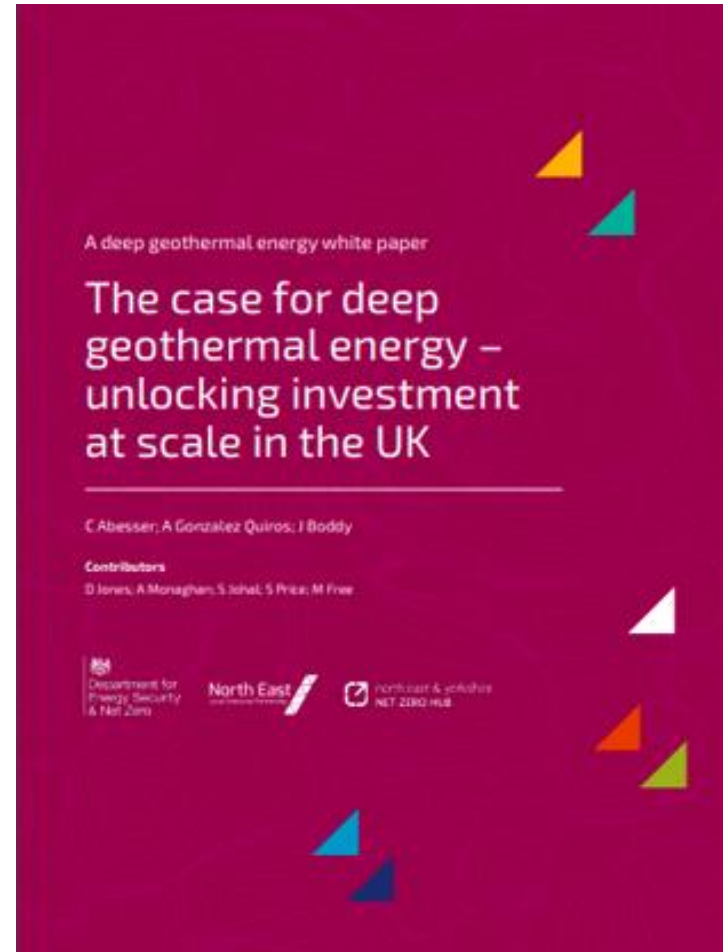
Deeper underground

- Deep geothermal makes up just 0.2% of UK heat
- 93% emissions reduction compared to gas
- Smallest geographical footprint of any energy source
- Constant supply 24/7 + no geopolitics, insecurity of supply or price fluctuations
- Germany's deep geothermal sector is a £14bn industry and has created 36,000 jobs
- Potential transition area for oil and gas industry
- British Geology Survey estimates opportunities in half of local authorities, and a third of constituencies

Unlocking UK geothermal at scale

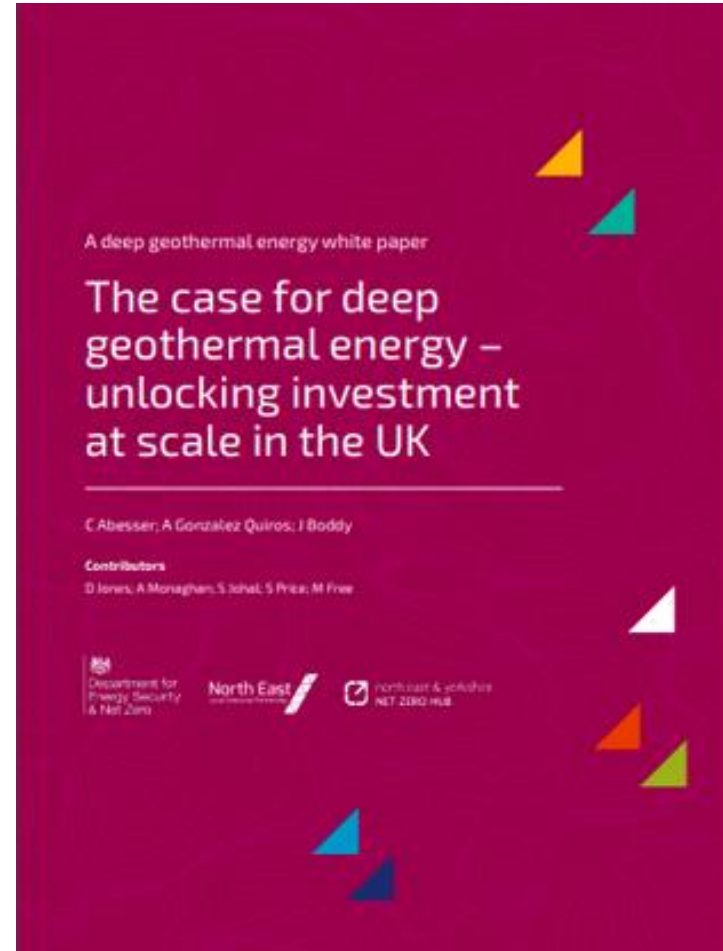
Research from the NEY Net Zero Hub has identified four main obstacles to geothermal at scale in the UK.

- Visibility
- Lack of regulatory regime
- Data - it's literally a minefield!
- High capital costs - and a lack for financial mechanisms to reduce risk/improve investor confidence (both revenue and insurance)



Unlocking UK geothermal at scale

- Working with National Geothermal Centre and UK Geothermal taskforce to address obstacles
 - *Next meeting March 18th at 3pm*
- Hub local capacity support in North East and York & North Yorkshire supporting development of demonstrator projects
- Supporting British Geological Survey to improve data



THANK YOU

Find out more about Local Net Zero Hubs

<http://tinyurl.com/NetZeroHubs>

