



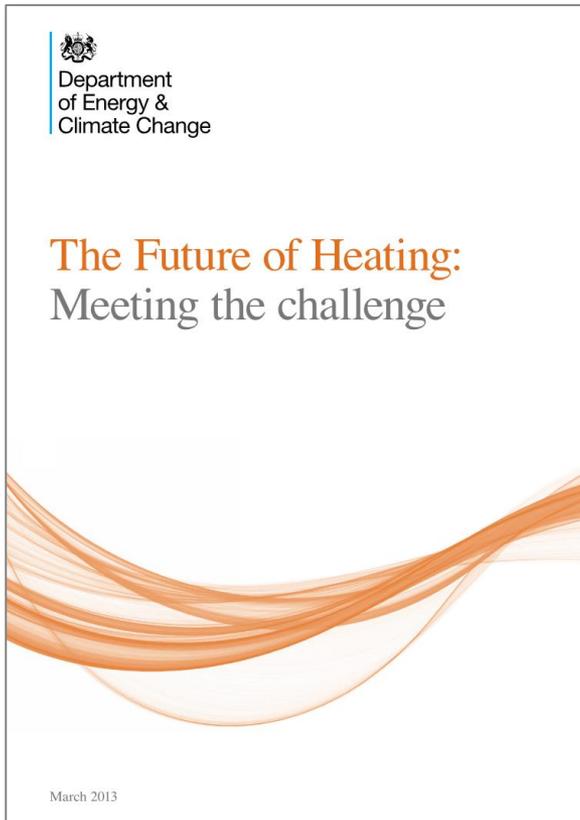
CIBSE
Homes for the Future Group

Future heating seminar

Hoare Lea, London, 14 Sept 2016

Chair - Ashley Bateson
CIBSE Homes for the Future Group



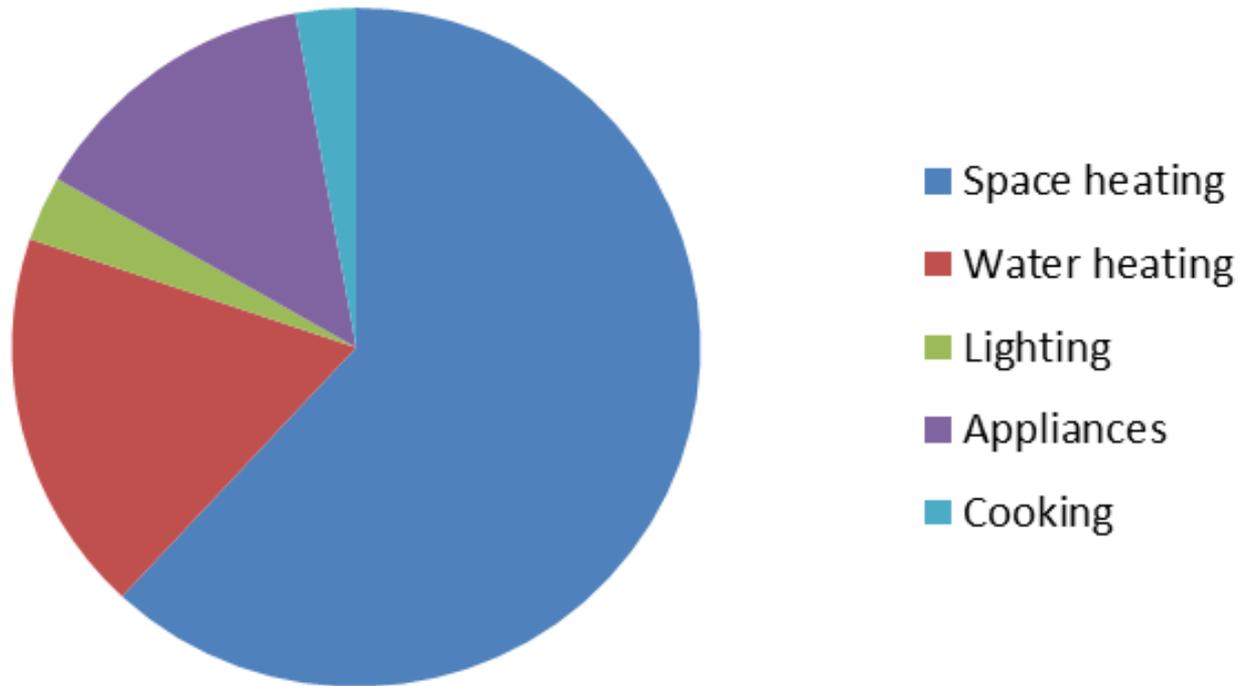


The recent national heating strategy and policy review, issued by the previous government in 2013, was ambitious about promoting low carbon heating

Driven by target to reduce UK greenhouse gas emissions by 80% by 2050, relative to 1990 levels, and vision to increase use of renewable heat sources.



Space heating and hot water represents approx. 75% of the energy use of existing UK housing stock

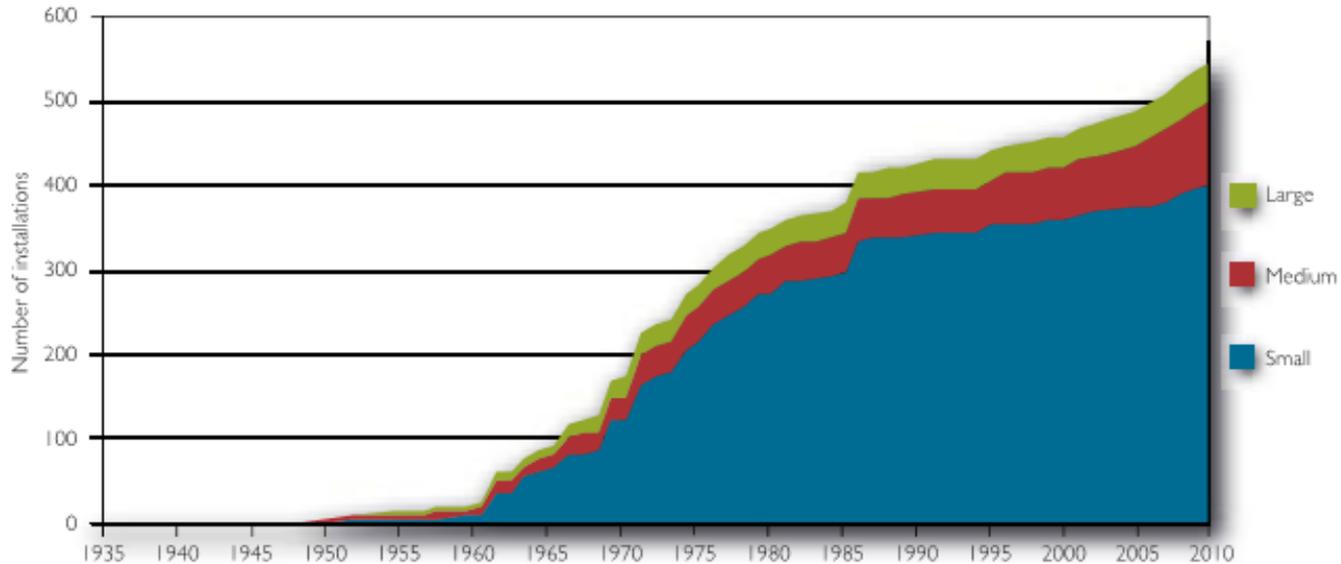




The number of district heating installations has increased rapidly in the UK in recent years

Planning and local authority policies have been key drivers, however district heating still represents a small proportion of domestic heating systems (less than 5%). (By comparison 55% of domestic heating in Sweden is served by district heating and in Germany and Austrian it is about 15%)

Chart 15: Growth in heat networks in the UK⁵⁴



Source: Databuild



Options for future heating strategies include:

- Gas-fire boilers
- CHP & district heating
- Heat pumps
- Direct electric heating
- Renewable sources

We need to consider impacts on infrastructure, environmental impact, comfort, cost, and user control...



Speakers

1. **Phil Jones** - Chair of the CIBSE CHP/District Heating Group
2. **Barney Evans** - WSP Parsons Brinkerhoff
3. **Huw Blackwell** - London Borough of Islington
4. **Susan May** - Affinity Sutton