



**EUROHEAT
& POWER**

第八届清华大学-国际能源署联合研讨会

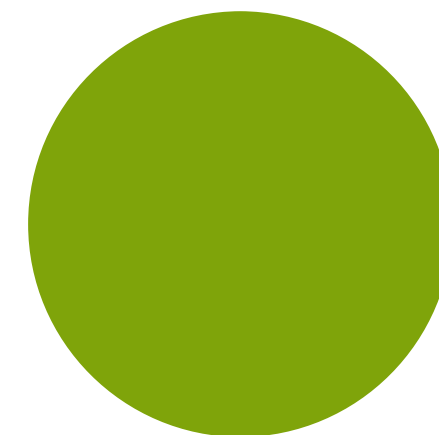
The 8th IEA-Tsinghua Joint Workshop

建筑领域碳中和路径和建筑供暖脱碳

**Making Buildings Zero-Carbon Ready by 2030 –
Near-term Solutions for Heating Systems**

Pauline Lucas, Policy Director, Euroheat & Power

欧洲供暖与电力，政策主任



21/10/2022

Heating and cooling matters

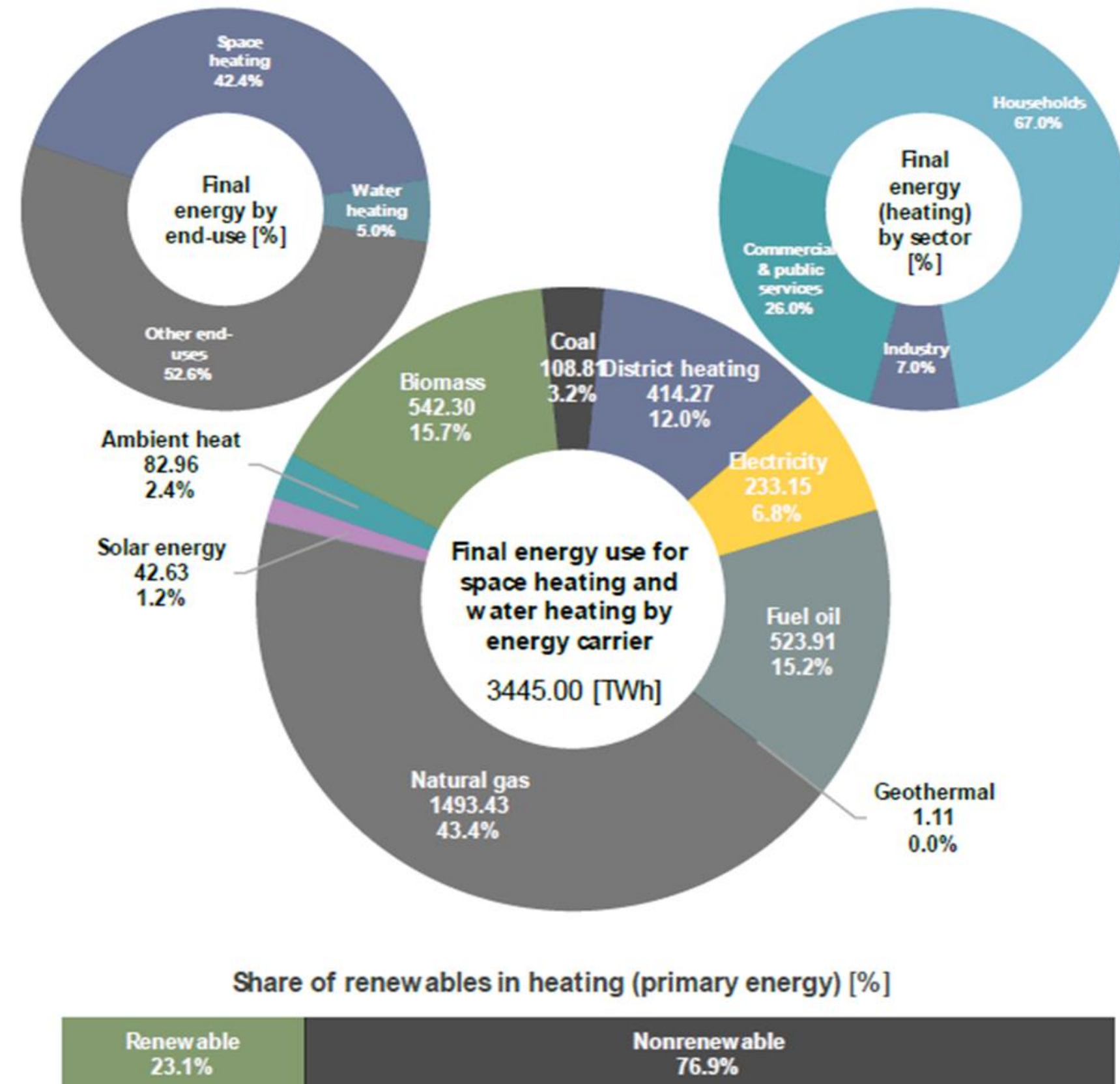
The **size of the challenge**:

The EU consumes **half** of its energy for heating and cooling purposes, for space and water heating.

The main consumer of thermal energy is **households** and **commercial/public buildings**.

Natural gas is the leading energy source for space and water heating.

Only **23%** of **renewable energy** used in heating and cooling.





Two major EU Energy initiatives ongoing




A **timid yet tangible shift** towards more recognition of the importance of H&C decarbonisation and the **role of DHC for building decarbonization** in the European legislative agenda

- Recognition of waste heat
- Push for municipal energy planning
- Connection of buildings to DHC
- DHC decarbonisation blueprint



Fit for 55
Reduce GHG emissions by 55% in 2030, Net zero in 2050
Renewables, energy efficiency, building renovations...

Q1 2023



REPower EU
Coping with the Energy Crisis, ensure resilience: energy savings, diversification of supplies, clean energy

Q2 2022

- 30 mio newly installed heat pumps in 2030
- 10 million units in the next 5 years
- Development & modernization of DHC with large scale HP + geothermal + solar thermal

We can do a lot more

DHC is one of Europe's most untapped clean heating & cooling solution.
From 13% today, it could supply up to 50% of the European heat demand in 2050.

A 10-Point plan to accelerate the EU heat transition



Develop a **robust EU Heating & Cooling Strategy** to align with the Climate Law and energy security imperative



Develop a **holistic approach to building renovations**: connecting with local renewable and sustainable waste heat sources



Introduce **mandatory heat planning** for local authorities



Rethink the **financing framework** to de-risk investments in sustainable district heating



Ban **individual fossil-only boilers** in new, refurbished and renovated buildings



Thank you,
ask your question!