

## HEAT TRANSITION IN LOCAL AUTHORITIES

The role of district heating at local level to accelerate the decarbonisation of heating systems

#### Speaker:

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#### **Event:**

Final event REPLACE project

2000+

**MEMBERS** 

30+

COUNTRIES





# MISSION

WE ARE DRIVEN BY THE DESIRE TO STRENGTHEN THE **ROLE** AND **SKILLS** OF LOCAL GOVERNMENTS IN TRANSITIONING TOWARDS CLIMATE NEUTRALITY







## The Decarb City Pipes 2050 project

7 cities, 7 different situations, 1 goal: 100% decarbonised urban H/C systems by 2050

City	Bilbao	Bratislava	Dublin	Munich	Rotterdam	Vienna	Winterthur
Climate neutral by	2050	2050	2050	2035	2050	2040	2040
Gas	85%	30%	72%	50%	<b>72</b> %	42%	41%
DH	0%	70%	0%	30%	18%	39%	20%
Oil	5%	0%	17%	0%	0%	4%	29%
Other	10%	0%	10%	20%	10%	15%	10%
Utility / DSO	Iberdrola	Semi- city- owned	Semi- state- owned	city owned	Semi-city- owned	city owned	own city company



## The Decarb City Pipes 2050 project

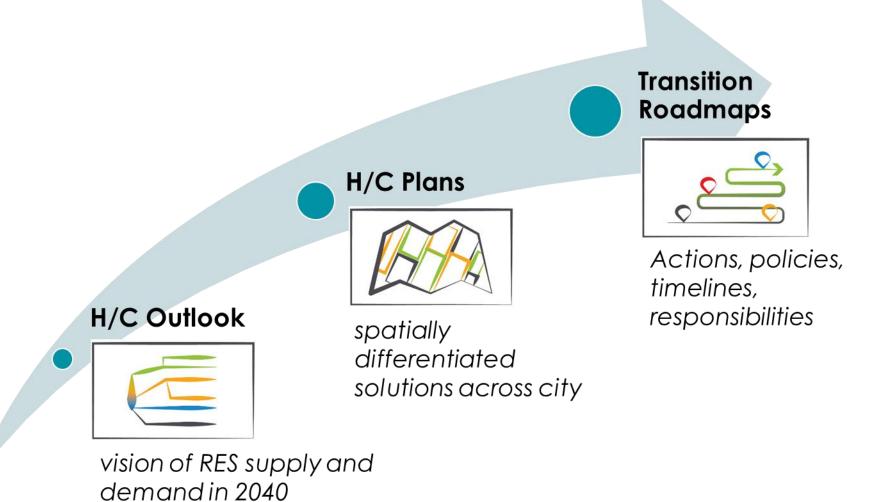
Equip cities with the know-how, capacity and mandate to act

- ➤ A whole decarbonisation strategy: no more fossil-gas (nor gas boilers)
- Multilevel aspects: EU and national policies, but also local ones
- Build-up planning and implementation capacity in each city
- ► Learning from each other





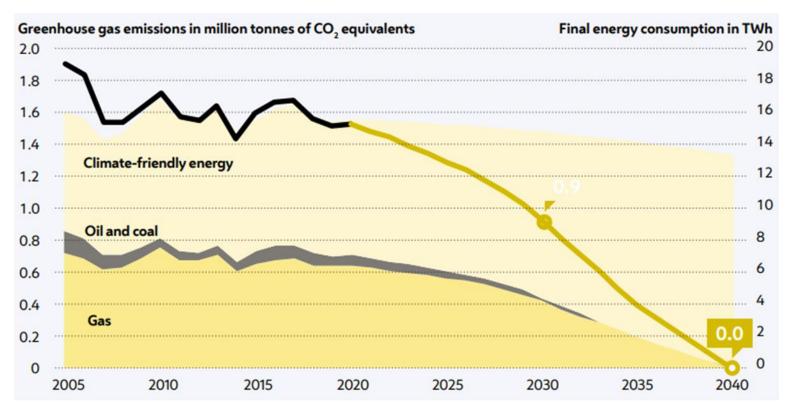
## Triple Jump To Readiness





## The example of Vienna

Pathway for greenhouse gas emissions in the building/heating sector till 2040.

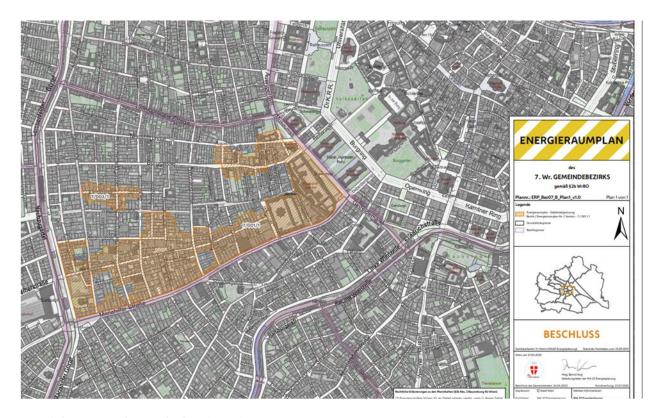


Source: Vienna Climate Guide, City of Vienna 2022



## **Energy Zoning in Vienna**

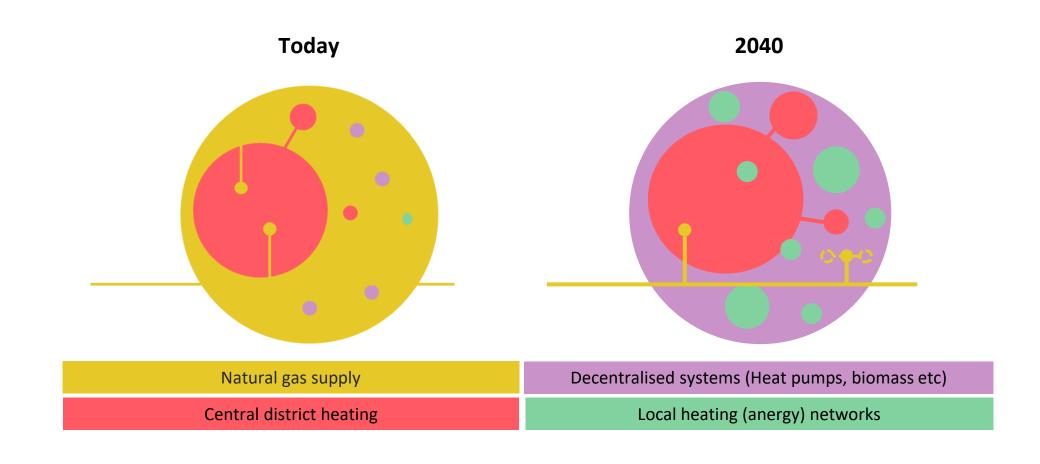
Since 2020: Prohibition of gasboilers in new buildings in designated areas



Spatial Energy Plan, 7th district, Vienna



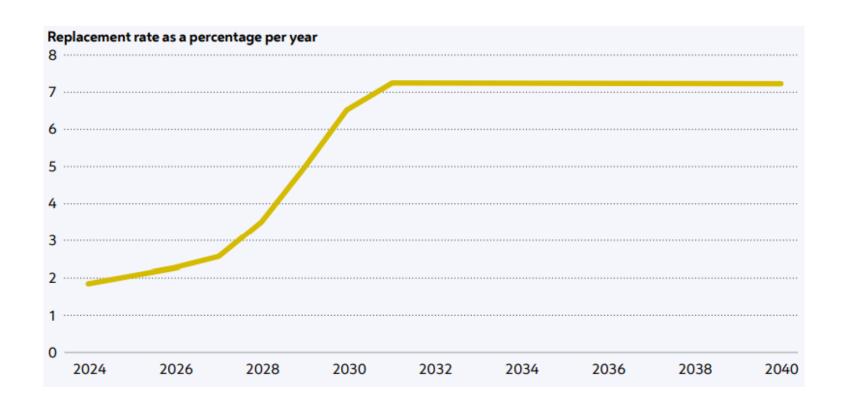
## Spatial Vision for H/C in Vienna in 2040





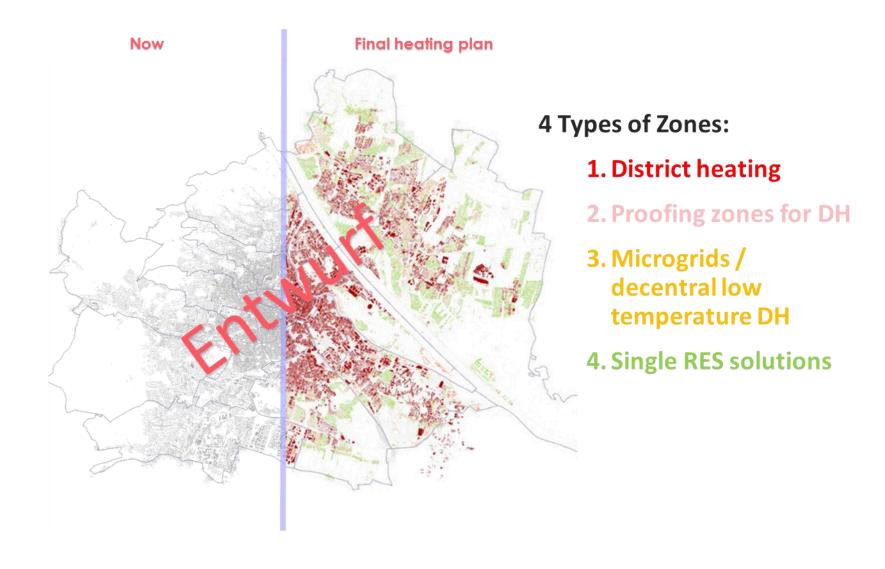
### Getting rid of gas boilers in more than 500,000 units!

#### Roadmap for annual replacements till 2040





## Heating & Cooling Plan in Vienna





## Challenges for decarbonising heating systems

#### **Examples of discussed topics**

- ► Legislative framework?
- ► What is enough data?
- Enough skilled staff in municipalities?
- ▶ Grid ownership?
- Stakeholder engagement?





## District heating development in municipalities

Key learnings for the short and medium terms

#### LOCAL HEAT PLANNING

Accelerating decarbonisation & political support

#### SUPPORTING LEGAL, TECHNICAL, FINANCIAL **FRAMEWORK**

At EU, national, and local levels

#### INTEGRATED NEIGHBOURHOOD **APPROACH**

Energy zoning, district approach, and stakeholder engagement





## District heating development in municipalities

#### Check out these deliverables:

- Draft recommandations for heating & cooling outlook 2050
- Guidance for cities developing heating & cooling plans
- Heating & Cooling Plans (Bilbao, Munich, Vienna)





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