

District Heating in Flanders

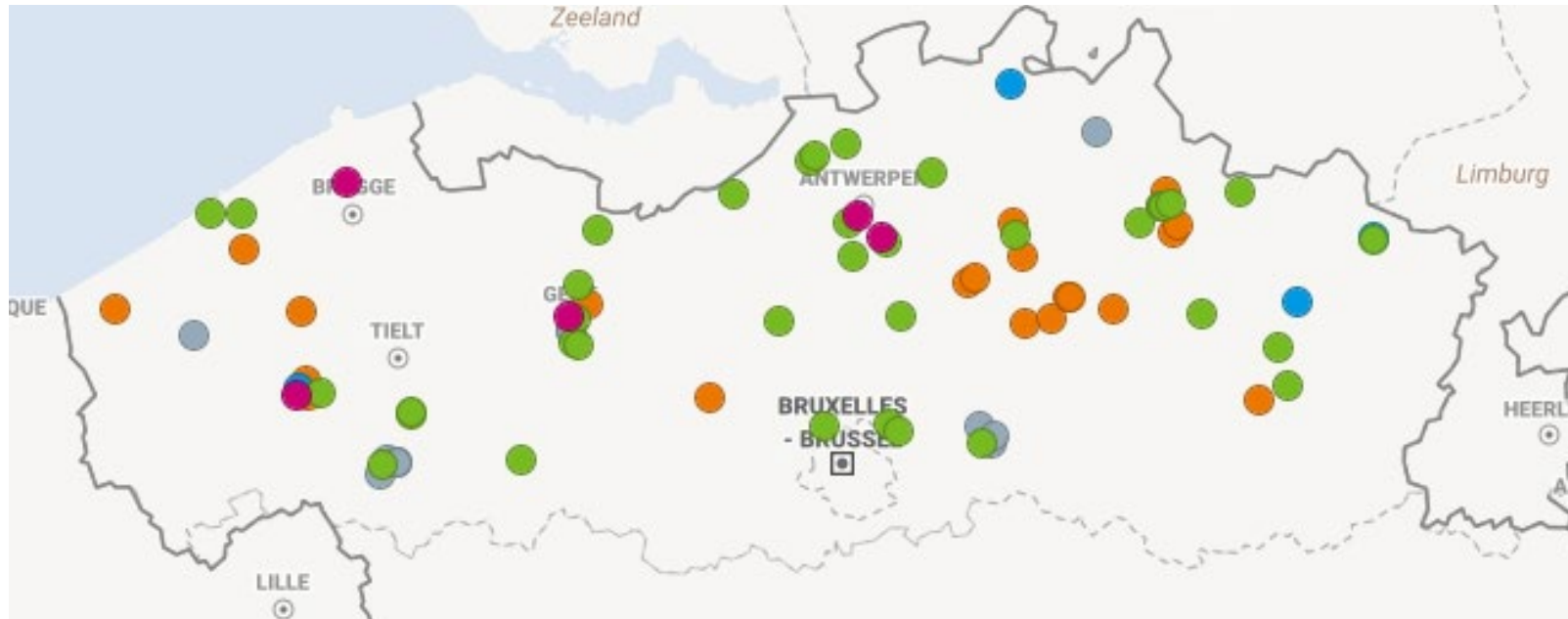
Regulation and statistics

3rd District Heating Workshop

Antwerp, June 2 2022



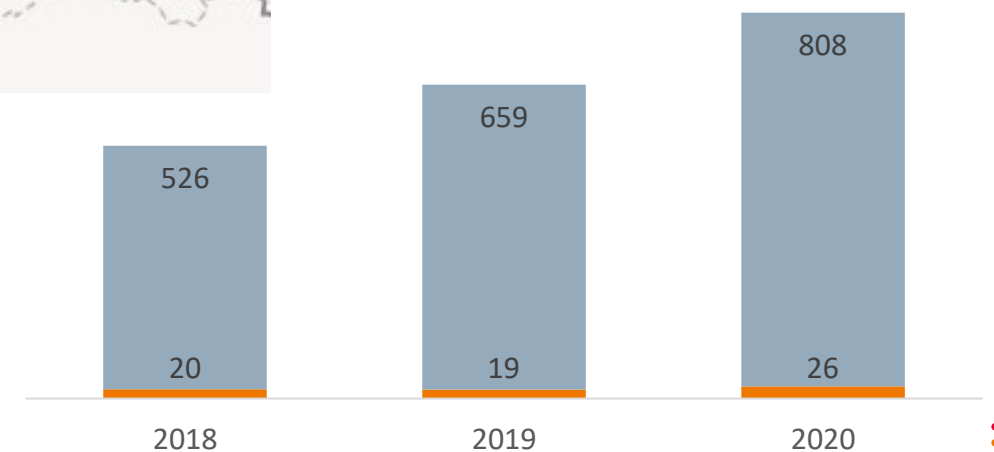
District heating in Flanders



78 DH networks

DH Heat supply (GWh)

■ Residential ■ Non-residential



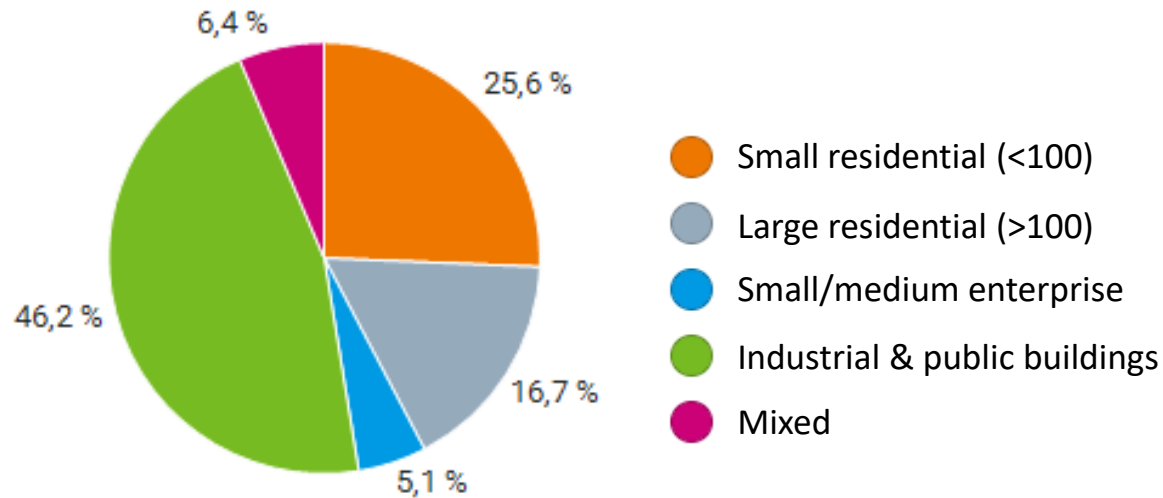
Interactive dashboard: <https://dashboard.vreg.be/report/Warmtenetkaart.html>

Stats for Flanders (data for 2020)

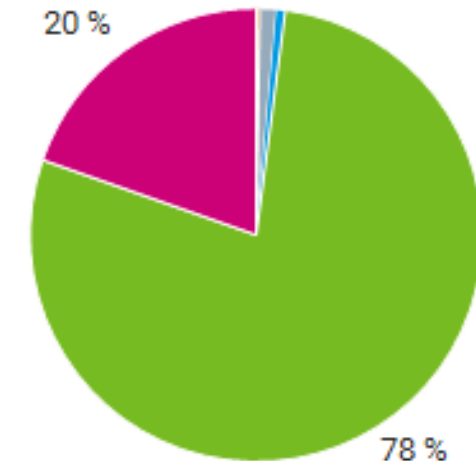
69 thermal networks
queried (in 2021)

834 GWh

Number of DH systems



Share of energy supplied per type



For comparison: End use of energy for heating in Flanders, 2019: **145.4 TWh**

Regulatory framework in Flanders

▶ Supervision by VREG (Electricity and gas regulator for Flanders)

- Since April 1, 2019
- Our role 

Inform consumers
and market actors

Build knowledge

Advise policy
makers

Supervise and
enforce

▶ Definition of “district heating and cooling”

- Central or decentralized production installation(s)
- Connected by pipes, heat transfer through steam, water or refrigerant
- Connected with at least two *buildings*
 - ▶ Building: every (part of a) building adapted for individual use, and for which energy is consumed
- Networks within one industrial site exempted

▶ Mandatory registration with VREG

Regulatory framework in Flanders

Network operator

- Manage, maintain and develop network
- Provide connections and access
- Install meters and process data
- Access register

Heat supplier

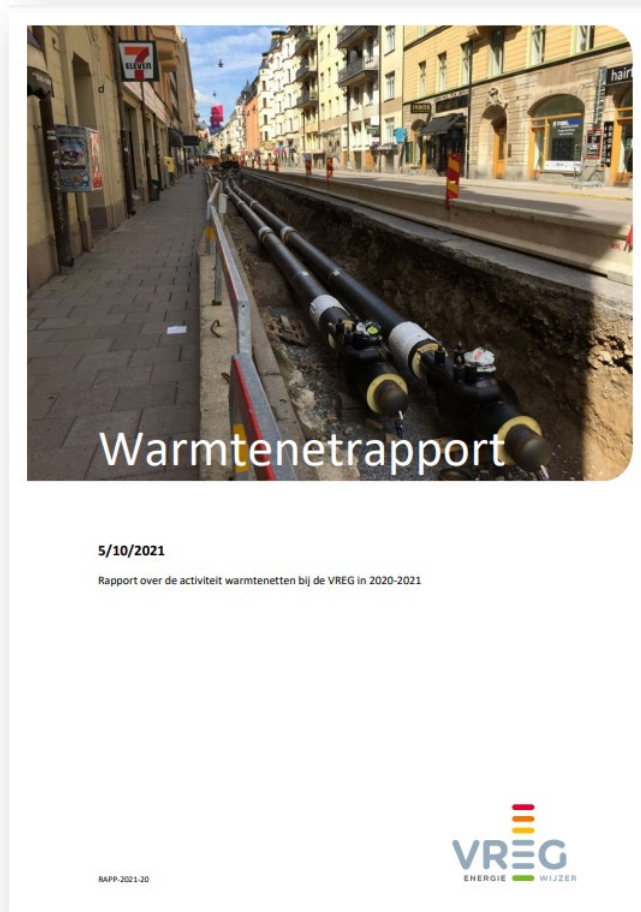
- Supply heat and balance supply & demand
- Provide information and invoices
- Handle complaints and answer questions
- Apply social energy measures

Heat producer

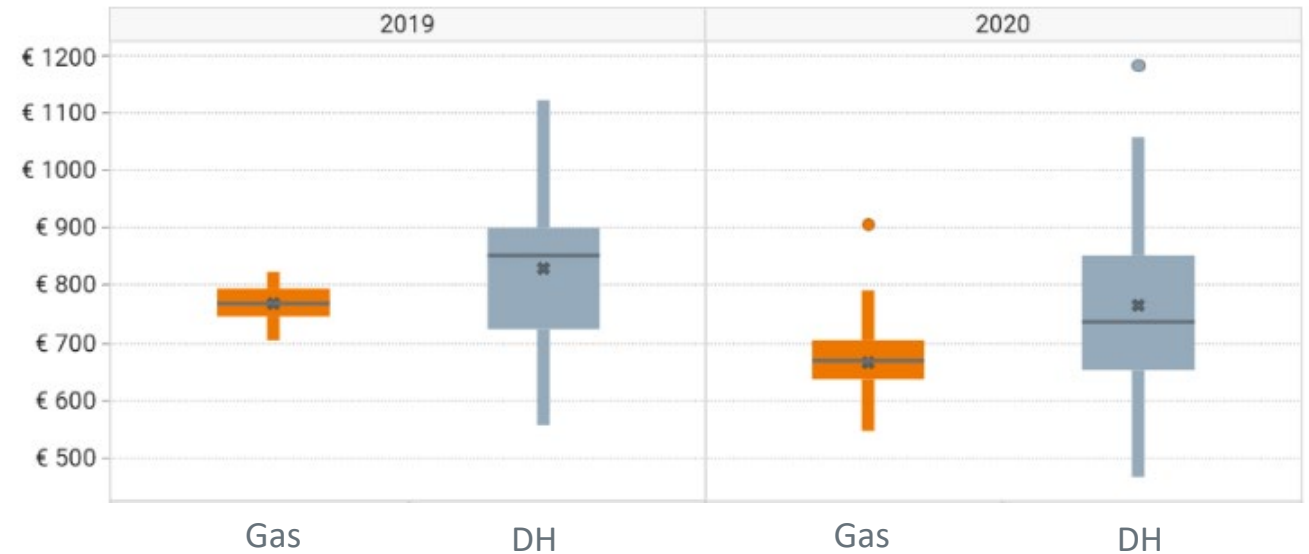
- No specific tasks

No mandatory unbundling
→ Vertical integration is allowed

Annual district heating report



Comparison of total annual cost (7.4 MWh/a)



Disclaimer: based on a number of assumptions regarding TCO of gas boiler. We intend to continually improve this comparison in the next DH reports.

Consult report here: <https://www.vreg.be/sites/default/files/document/rapp-2021-20.pdf>

More information?

- ▶ Dashboard about registered DH systems
 - <https://dashboard.vreg.be/report/Warmtenetkaart.html>
- ▶ Dashboard about DH prices and contracts
 - https://dashboard.vreg.be/report/DMR_Warmte_Marktaanbod.html
- ▶ Sector information
 - Regulatory framework, meter obligations, cost allocation for central heating sources,...
 - <https://www.vreg.be/nl/warmte-en-koude>

gratis telefoon 1700

<https://www.vreg.be/nl/contact>

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