

Buurtwarmte Paddepoel: Citizens taking an active role in decarbing their city

Decarb Cities Forum Vienna 2020-02-25

Paddepoel – city of Groningen

Typical '60
neighbourhood

6.000
inhabitants
Paddepoel-
North

Over 20%
students



Ambitious cities

Groningen planning to be energy neutral in 2035

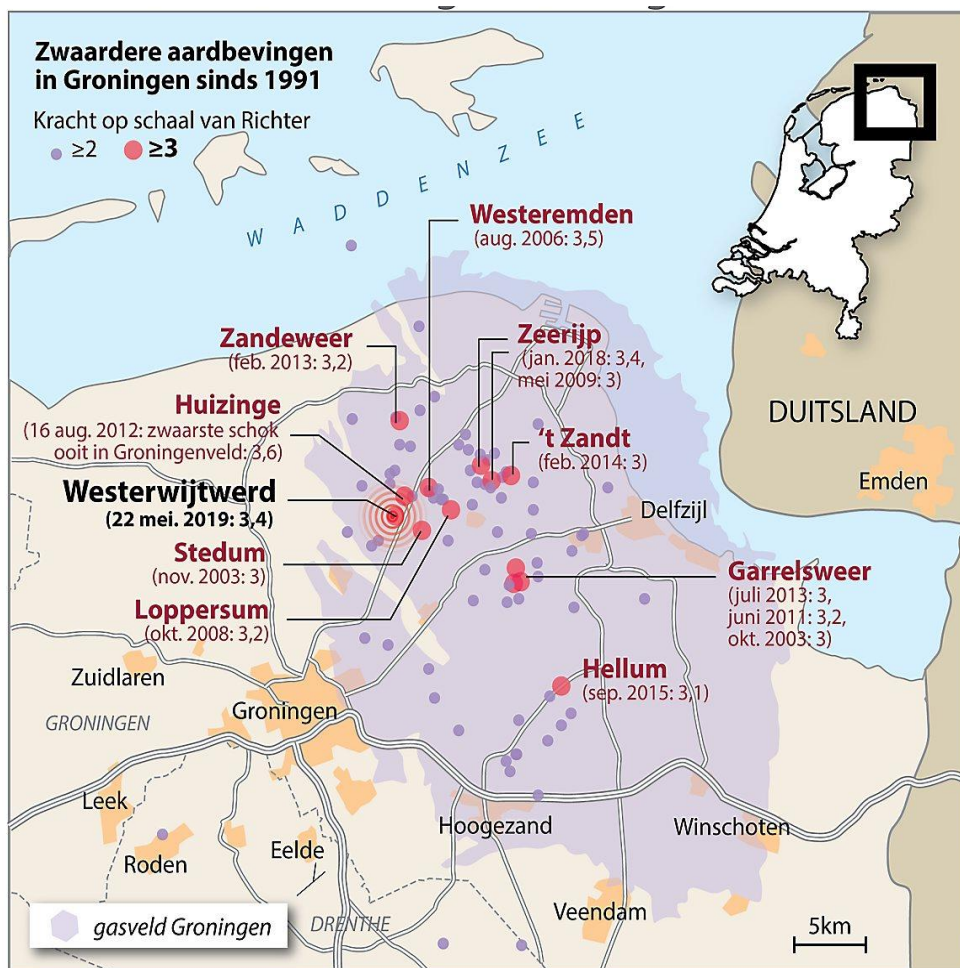
Routekaart
Groningen Energieneutraal⁺ 2035



Student residents in the local community



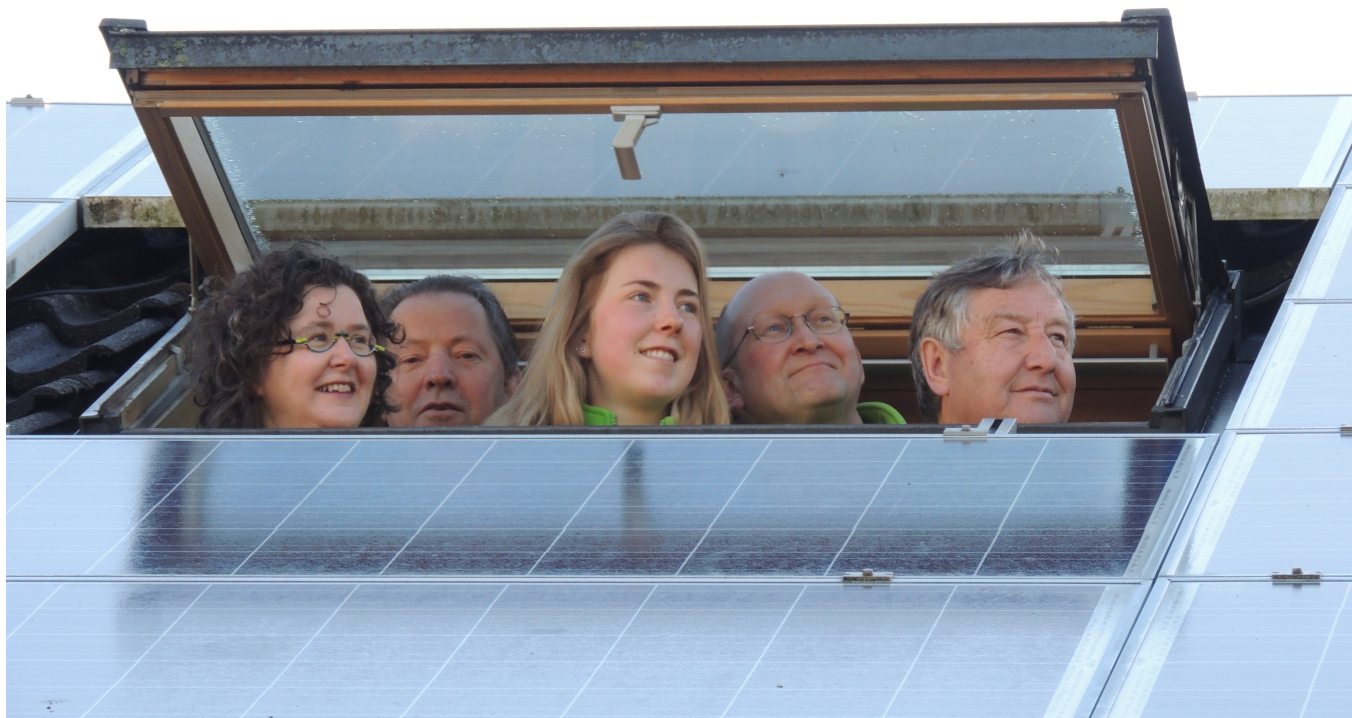
Earthquakes in the province of Groningen, due to gas extraction



**050
BUURT
WARMTE**



2016 start Energy Initiative Paddepoel



stichting
Paddepoel **E**nergiek
deze wijk spaart energie!



www.paddepoelenergiek.nl

Cooperation Paddepoel Energiek and cities energy cooperative Grunneger Power



The Buurtwarmte team



- Cooperation between Grunneger Power and Paddepoel Energiek
- Goal: sustainable heat for 500 households
- Paddepoel is a pilot project for other districts

Survey: How about heating your home without gas

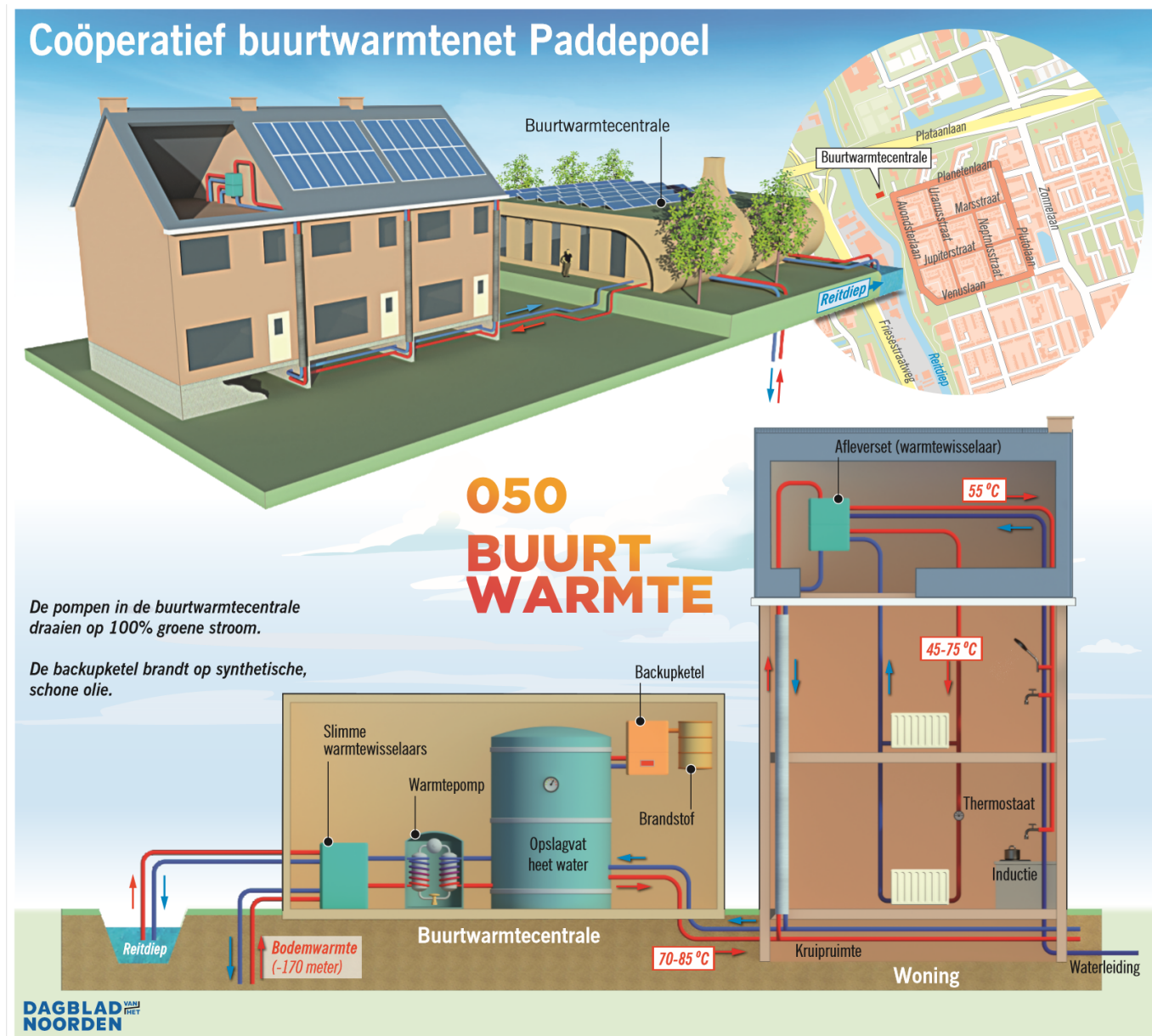
- 25% of the residents in the project area participated in the survey
- Face-to-face
- More than half know little about heat networks
- Sun, wind and residual heat are viewed positive
- Empowerment options increase acceptance
- A commercial heat supplier is viewed negative
- A citizen cooperative is seen positive but people fear a lack of professionalism



Large and small meet-ups to discuss the plans and concepts with fellow citizens



Infographic in the local newspaper : concept of design



BUURT PADDEPOEL WARMTE



**Bewoners de baas
over duurzame warmte**

BEWONERS DOEN MEE

Het grote
buurtonderzoek

WARMTE UIT EIGEN BRON

Bron, wijkcentrale en
leidingnet in woord en beeld

NIET DUURDER DAN AARDGAS

Wat gaat het kosten en
wat levert het op

Want to know more?
Download the magazine
Buurtwarmte:
www.050buurtwarmte.nl

Buurtwarmte: Our seven core values

- Local and sustainable heat source
 - Reliable and scalable
 - Affordable (not more expensive than natural gas)
 - Profit for purpose
- Heat cooperative run by local citizens
 - Connecting to the heat grid on a voluntary basis
 - No loss of thermal comfort & no hassle switching to renewable heat

Citizen engagement: do's and don't's

- Organising meet-ups and communicating face to face is time consuming
 - Making co-creation happen requires patience and time from the team
 - The project development has its own pace, not always in line with the citizen engagement process
- Organise meet-ups, take care that residents feel that it's 'their project'
 - Find ways to reach all groups, use different communication tools for all scales of engagement
 - Work on building trust: it's not just about technique

- Governance
- Scalability
- From 500 to 3.200 connections
- Financing
- National and local regulations
- Keeping commitment



Bringing ambitions to a local scale: What's in it for them?

