HeatNet NWE - Business models for DH schemes

Focus on Mijnwater B.V.
Decarbonising cities with geothermal district heating: how to finance it?

December 2019
Objectives of the project (1)

HeatNet will address the challenge of reducing CO2 emissions in North West Europe by creating an integrated transnational NWE approach to the supply of renewable and low carbon heat (incl. waste heat) to residential and commercial buildings.

15,000 tonnes of CO₂ saved per annum
Objectives of the project (2)

1. A transferrable HeatNet model;

2. Six living labs develop, test and demonstrate through investments the HeatNet model;

3. Transition Roadmaps plan for roll out of new technical, institutional & organizational arrangements;

4. Promotion and fostering of the HeatNet model in North-West Europe.
Pilots

- Aberdeen (UK)
- Boulogne-sur-Mer (FR)
- Dublin (IR)
- Heerlen (NL)
- Kortrijk (BE)
- Plymouth (UK)
Take best practice examples from each of Pilot’s Roadmaps

Combine into Guide for all areas in NWE
Heerlen

Source: Mijnwater B.V.
Heerlen

Mijnwater 2.0, municipality Heerlen

Source: Mijnwater B.V.
Heerlen

Step 1: Savings
Effective energy demand → Remaining energy demand

Step 2: Heat generated by cooling + waste heat
+ Low temperature waste heat

Step 3: Generation of heat with a CoP > 5
Additional supply via heat pumps

Cooling

Source: Mijnwater B.V.
Heerlen

Source: Mijnwater B.V.
Ground source heating
Motivation & influence

Figure 3.1: Stakeholder Map
More information:

HeatNet NWE community on https://www.construction21.org/belgique

Or

Thank you!