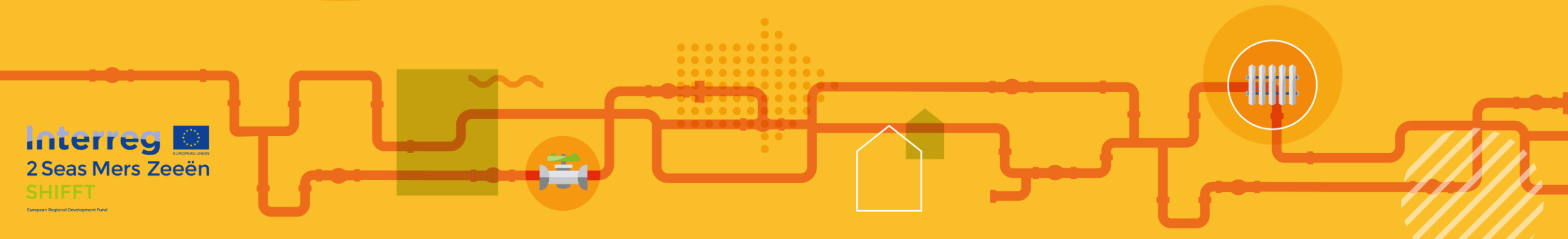


Heat strategy - Bruges

Lies Debbaut – City of Bruges

SHIFFT event 18/10/2021



EUSEW Program 18 October 2021: Heat policy in Bruges



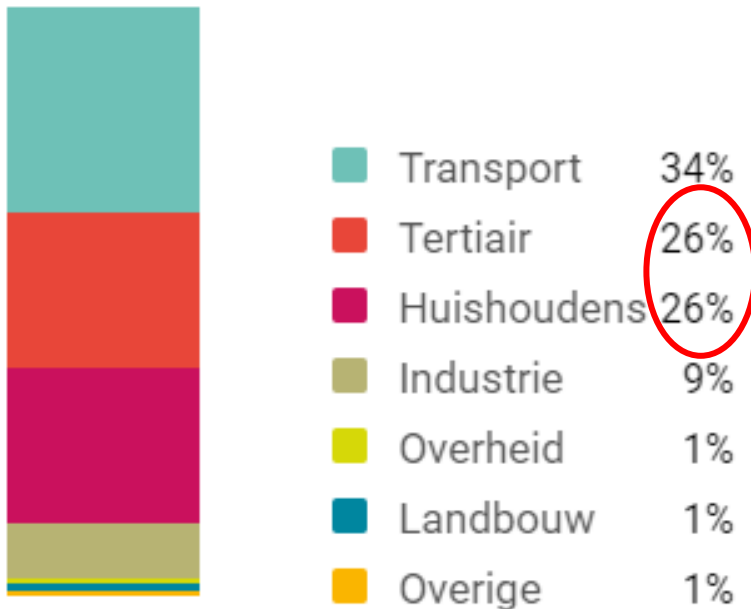
Heat policy in Bruges

1. Development climate plan
2. Heat zoning plan
3. Feasibility study
4. Co-creation process Buurtkracht

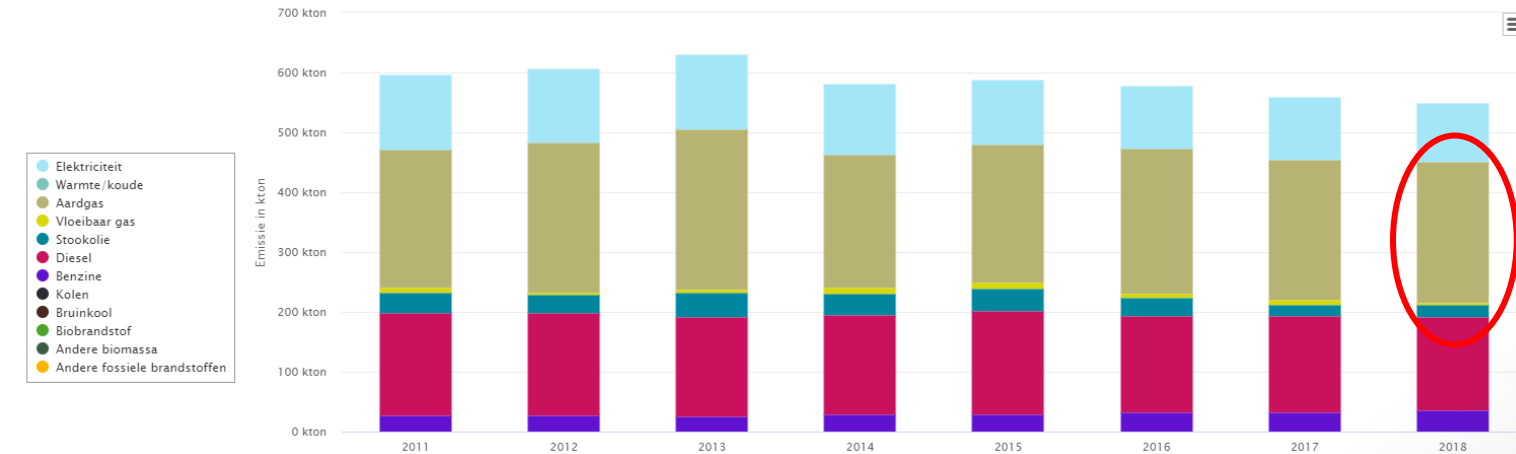
1. Development climate plan

- 'Caring for tomorrow starts today
- Internal climate team

CO₂-emission per sector in Bruges (2018)



Emissie



CO₂-emissie per brandstoftype



1. Development climate plan

Guidelines:

1. Bruges is heating fossil free → **Ambitious Flemish heat policy**

2. Bruges is a renewable electricity city

3. Bruges is moving smartly, fossil free and healthily

4. Bruges is enterprising in a climate-friendly and circular way

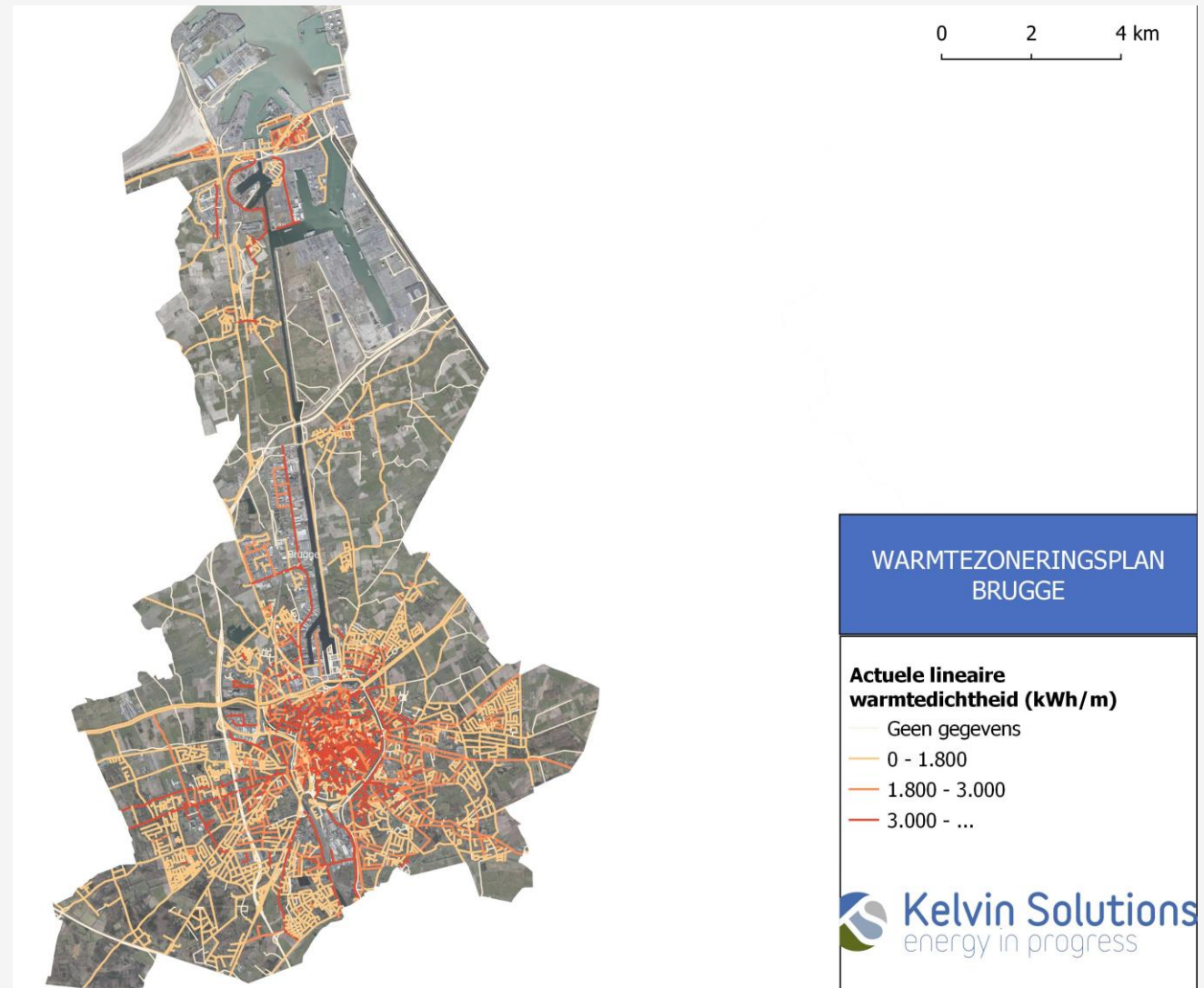
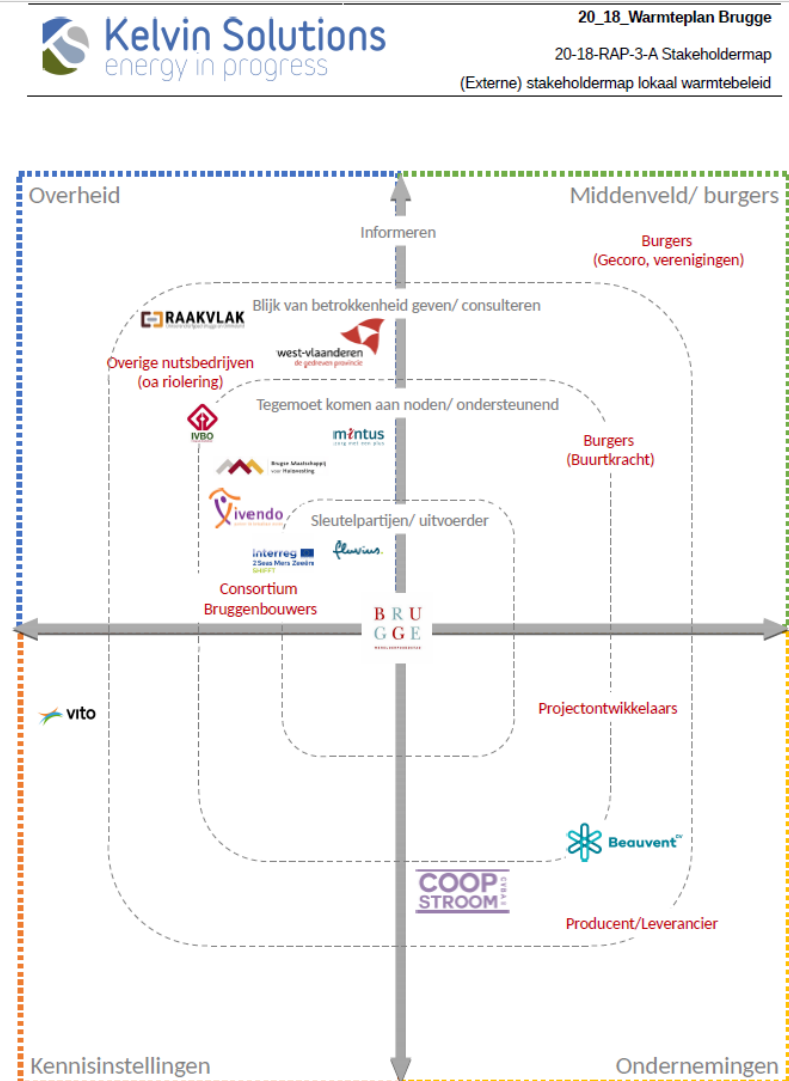
5. Bruges is tasting

6. Bruges is a climate robust city

7. Bruges is striving for a climate neutral future for everybody



2. Heat zoning plan



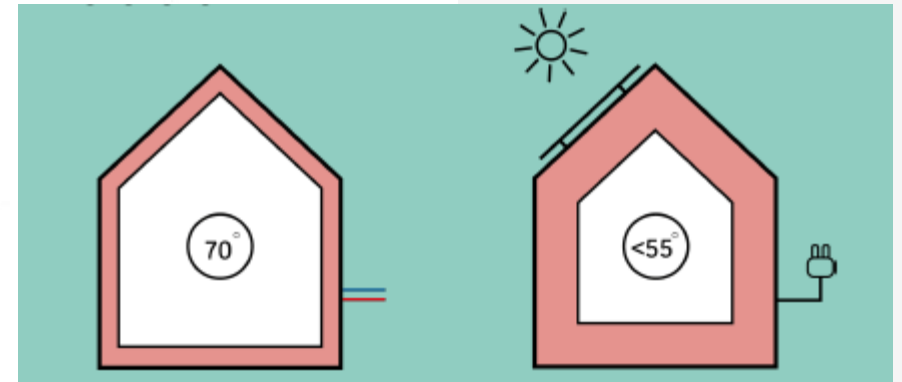
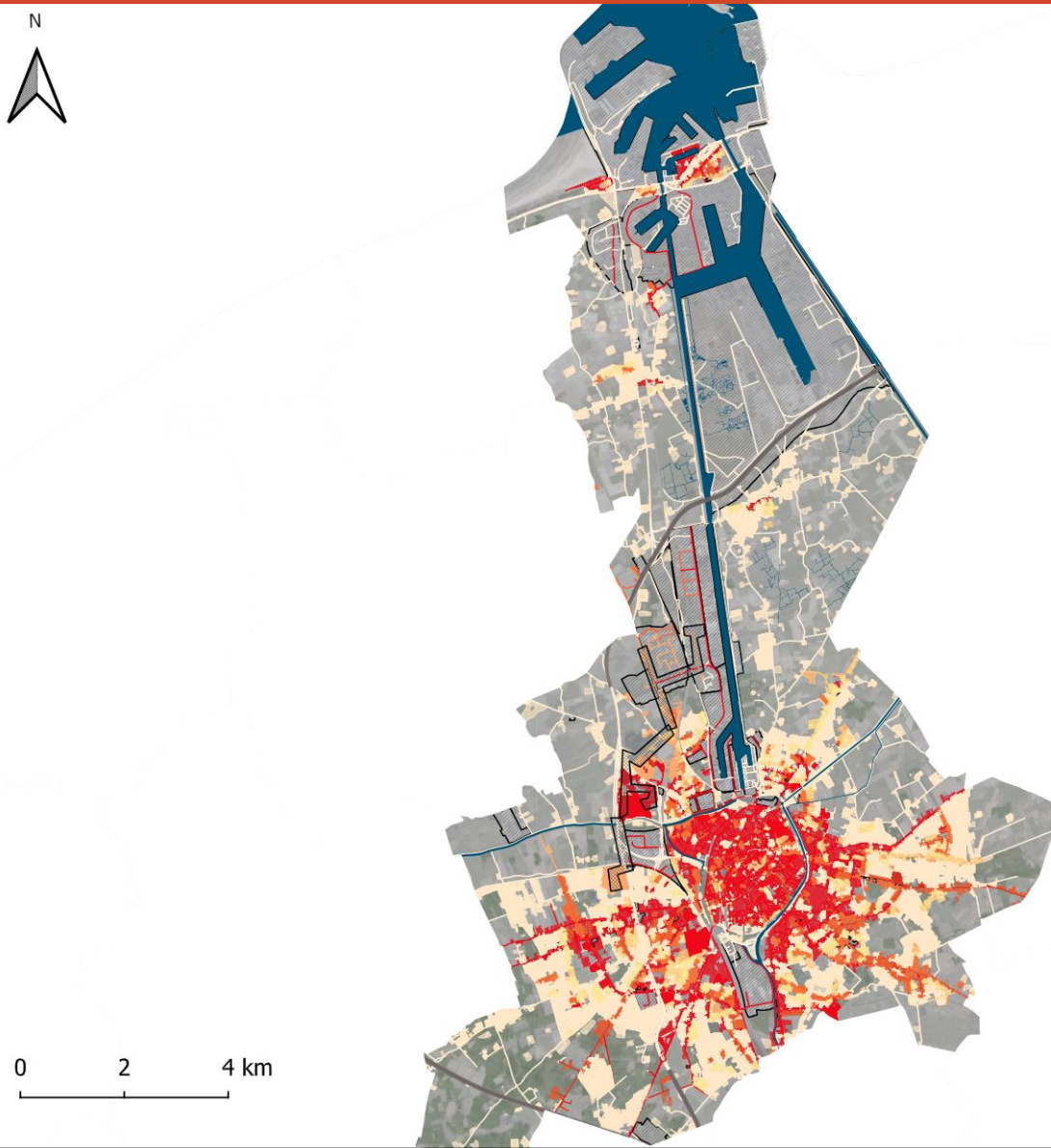
2. Heat zoning plan

Heat demand in 2050:

- Potential for the reduction of the heat demand (ratio rented and owner-occupied dwellings, age of the buildings, income of the inhabitants, family composition, age of the inhabitants)
- Additional heat demand (undeveloped parcels, new developments)
- Pace of renovation
- Depth of renovation
- Rebound effect

Population growth	Pace of renovation	Pace of renovation	Pace of renovation
50% van berekende bijkomende wooneenheden (+7.023 inwoners)	0,74%	1,9%	3%
100% van berekende bijkomende wooneenheden (+14.046 inwoners)	0,74%	1,9%	3%

2. Heat zoning plan



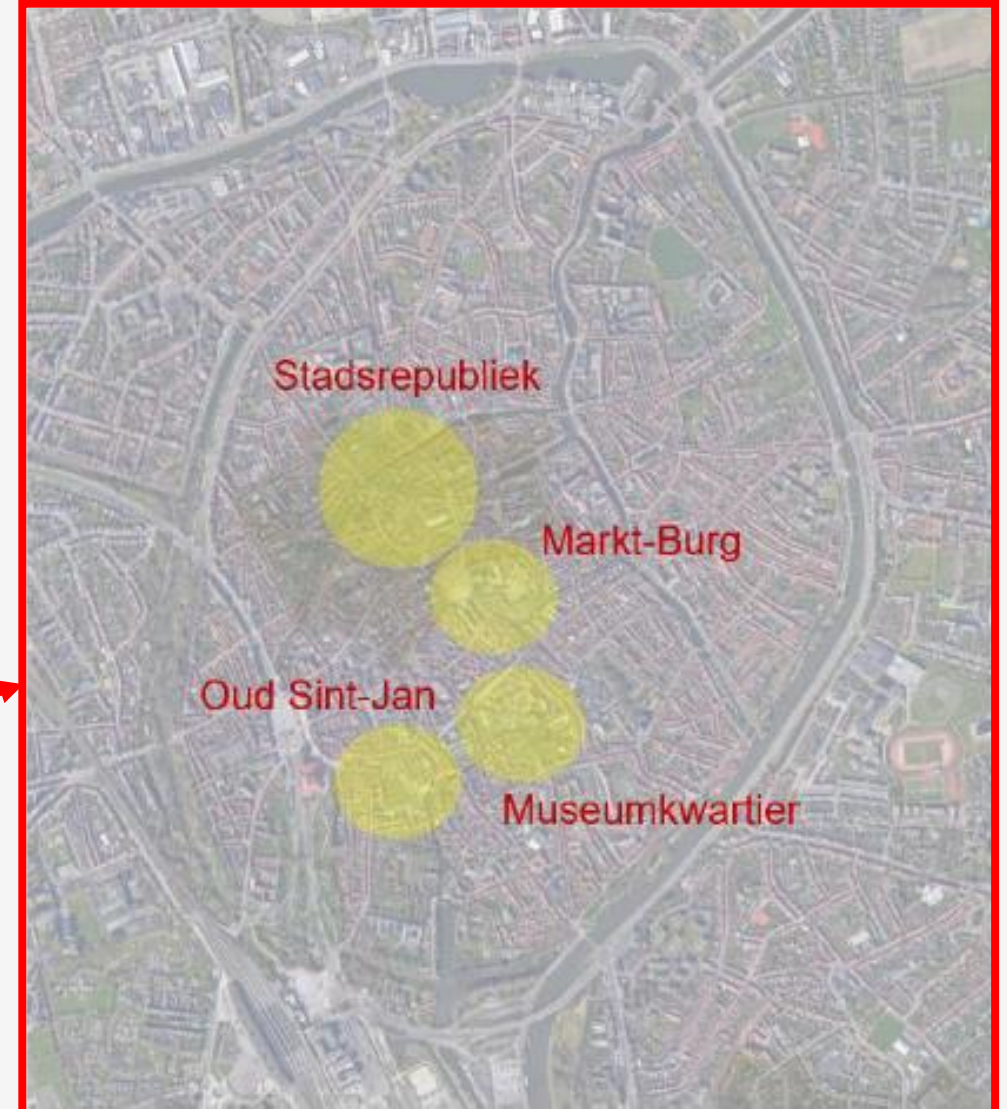
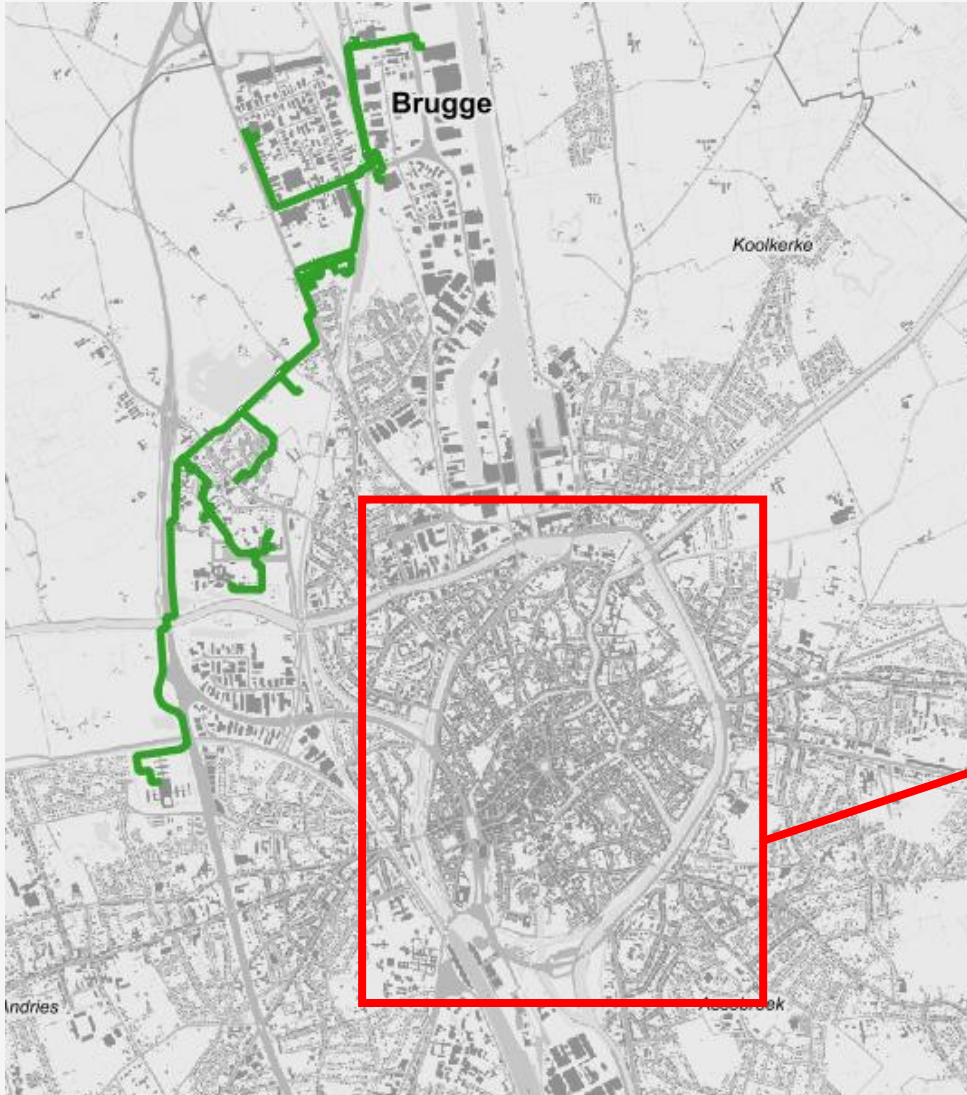
WARMTEZONERINGSKAART BRUGGE

Warmtezoneringskaart

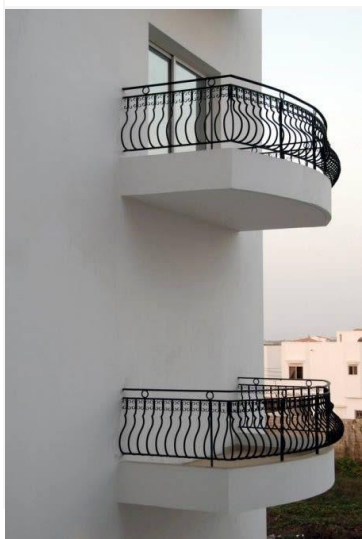
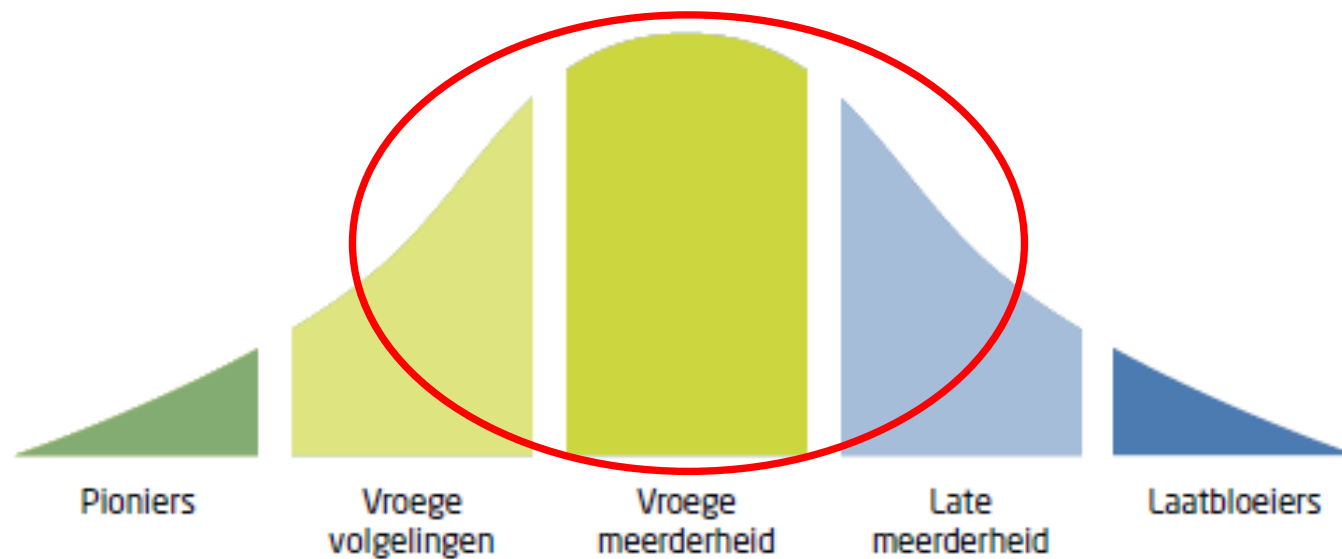
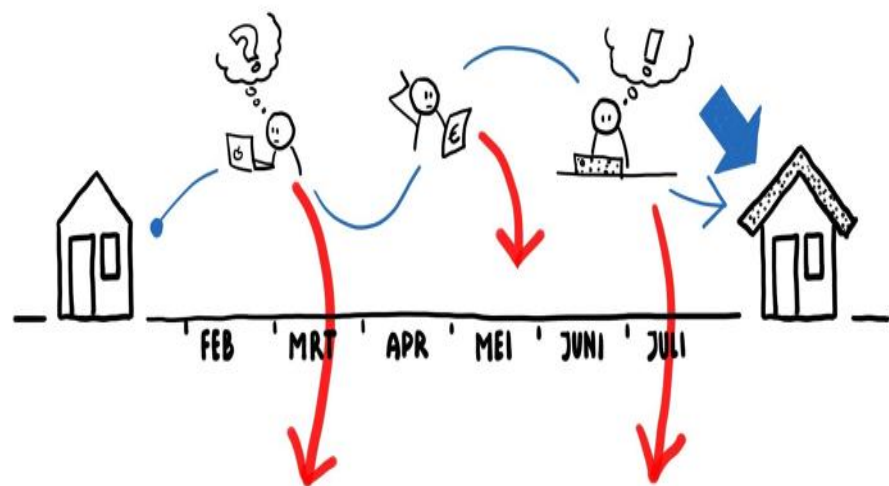
Maatschappelijk optimale warmte-
invulling o.b.v. Total Cost of
Ownership

- Individuele oplossing
- Contextafhankelijke oplossing
- Collectieve oplossing
- Bestaand warmtenet
- Bedrijventerreinen

3. Feasibility study district heating in the city centre



4. Co-creation process 'Buurtkracht' – Power of the neighbourhood



4. Co-creation process 'Buurtkracht' – Power of the neighbourhood

Wijkrenovaties

Buurtgedreven

Bottom-up

Integrale
aanpak

