

WELCOME

The event will start in 5 min





Agenda

Part I (12.00h)

- **Keynote:** Dr. Jan Rosenow, Regulatory Assistance Project
- **Panel debate** with Dr. Jan Rosenow (RAP) and Prof. Thomas Hoppe (TU Delft)

Part II (12.45h)

- Heat strategy **Middelburg** Winnie Versol
- Heat strategy **Bruges**: Lies Debbaut
- **Panel debate** with all speakers



Introducing... **SHIFFT**

Ighor Van de Vyver – City of Mechelen
SHIFFT event 18/10/2021

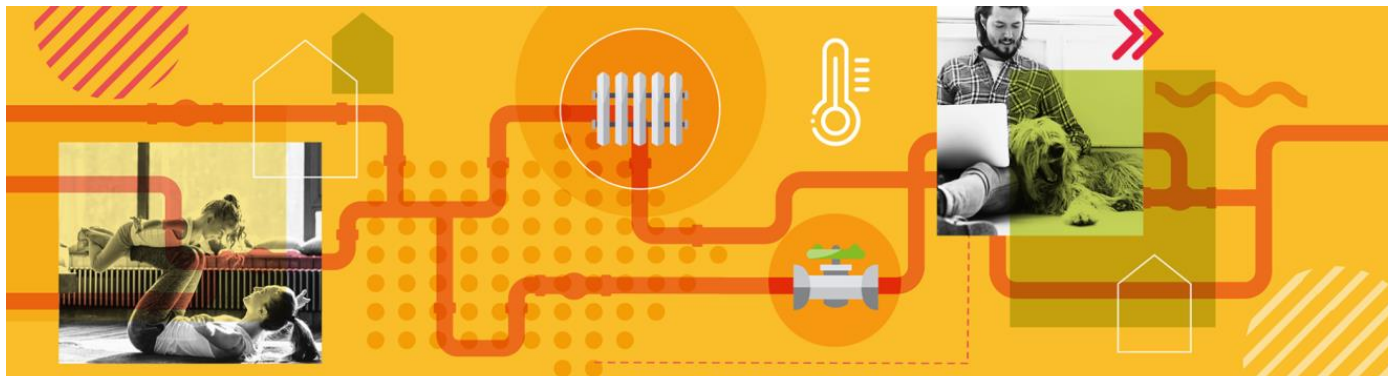


The SHIFFT project

- **Sustainable Heating: Implementation of Fossil-Free Technologies**
- Period: Feb. **2019** tem. Sep. **2022**
- Budget: **5.707.426 €**

shifftproject.eu

www.linkedin.com/company/shifft-project





The SHIFFT partnership

10 partners from 4 countries: local authorities, knowledge institutes, housing corporations



With the support of



**Provincie
Antwerpen**



provincie **HOLLAND
ZUID**





Challenge

- How to decarbonize our cities and municipalities by 2050?

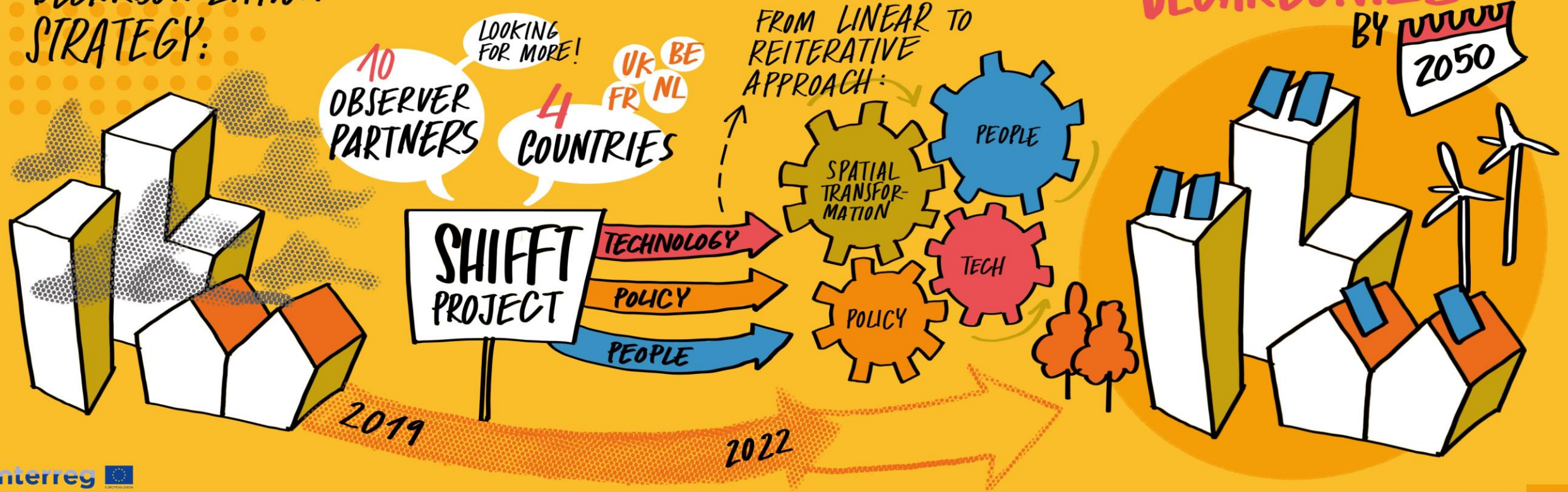


INTRODUCING...SHIFTT

Professor PETER CONNOR
University of Exeter

How to **DECARBONIZE**
OUR CITIES & MUNICIPALITIES?

DECARBONIZATION
STRATEGY:



IMPLEMENTATION OF
FOSIL FREE
TECHNOLOGY

DECARBONIZE



SHIFFT city strategies: approach

A common approach for sustainable heating strategies for partner cities

SHIFFT WORK PACKAGE 1 DELIVERABLE 1.1.1

Interreg  
2 Seas Mers Zeeën
SHIFFT
European Regional Development Fund

January 2020

Ighor Van de Vyver¹
Calum Harvey-Scholes²
Richard Hoggett³
Thomas Hoppe⁴
Sabine Jansen⁵
Michiel Fremouw⁶
Tess Blom⁷
Anatol Itten⁸
Alexandre Pauvert⁹

¹ Mechelen
² University of Exeter
³ Delft University of Technology
⁴ CDDE

Additional contributors: Lies Debbaut (Bruges); Arpan Dutta (Fourmies); Tiny Maenhout (Middelburg)

SHIFFT is funded through the European Union ERDF Interreg 2 Seas, with additional co-finance from the Province of South-Holland under reference PZH-2019-083220948 DOS-2019-0000596, and from the Ministry of Economic Affairs and Climate Policy under reference INTER2015.

- 2 versions available
- Full detailed report produced in Jan 2020 (122 pages)
- Summary report produced in May 2020 (40 pages)

A common approach for sustainable heating strategies for partner cities

SUMMARY REPORT

Interreg  
2 Seas Mers Zeeën
SHIFFT
European Regional Development Fund

May 2020

Ighor Van de Vyver¹
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Richard Hoggett³
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Decarbonising our homes and cities

Dr Jan Rosenow – Regulatory Assistance Project
Keynote SHIFFT event 18/10/2021



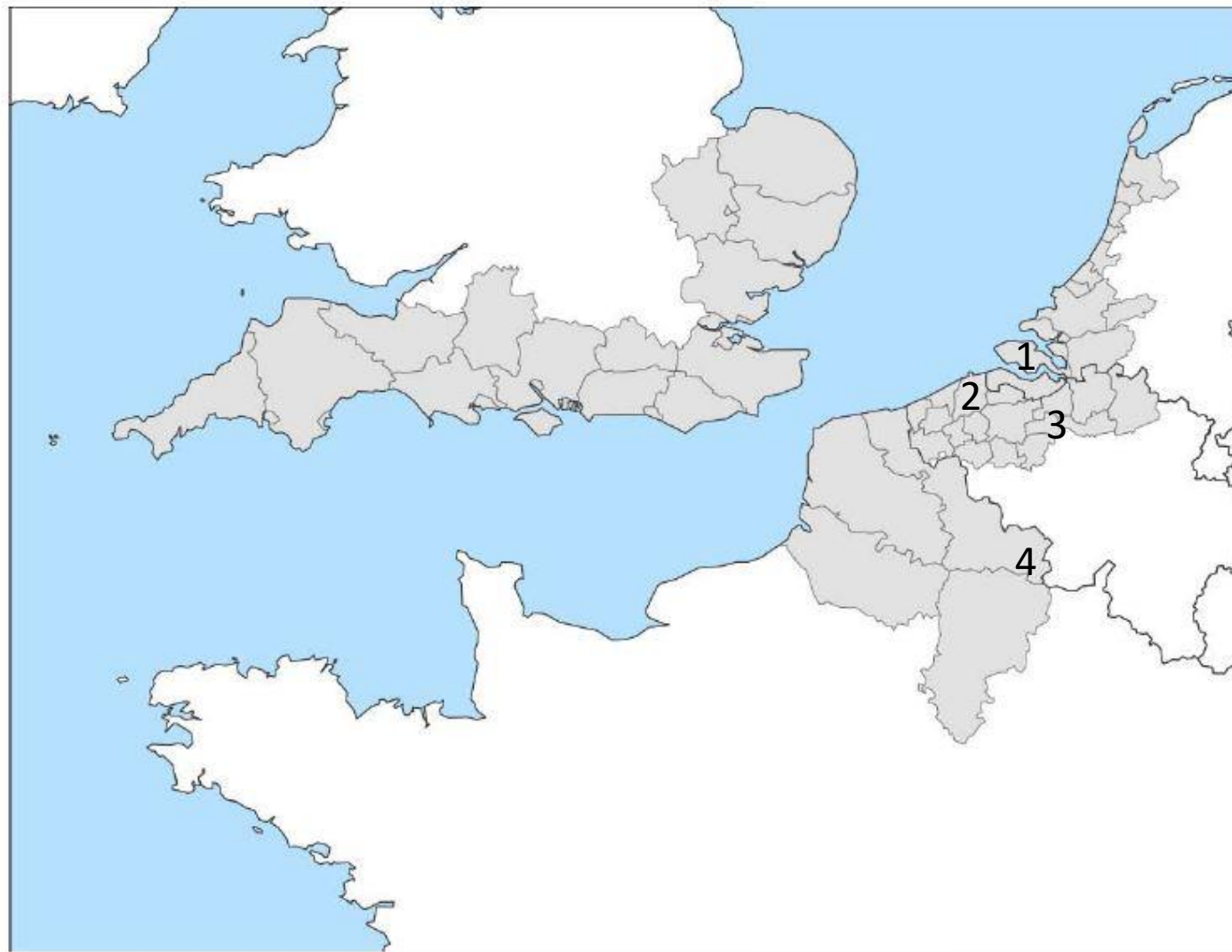
SHIFFT city strategies

2Seas region

UK – FR – BE – NL

SHIFFT cities

1. Middelburg
2. Bruges
3. Mechelen
4. Fourmies





- Sustainable heating strategies for Bruges, Fourmies, Mechelen and Middelburg
- Progress report (June 2021)
- Soon available for download on shiftproject.eu



D1.1.2: Draft sustainable heating strategies for partner cities

SHIFFT deliverable report 1.1.2
June 2021



Author(s):
Ighor Van de Vyver (Mechelen); Calum Harvey-Scholes, Peter Connor (University of Exeter); Thomas Hoppe, Michiel Fremouw, Anatol Itten (TU Delft); Romain Gitton (CD2E).

Contributor(s):
Lies Debbaut (Bruges); Arpan Dutta (Fourmies); Tiny Maenhout (Middelburg)

Version history: v01 June 2021

Partners:



HEAT STRATEGY MIDDELBURG

ANNET HANNEWIJK

IN PARTNERSHIP
WITH 12 MUNICIPALITIES

5 STEP APPROACH

ASSUMPTIONS
+ STARTING
POINT

INSIGHT
IN HEAT
SOLUTIONS

PRIORITISING

STRATEGY

DECISION
MAKING

DELIVERABLES:

- DEADLINE TO STOP NATURAL GAS BY NEIGHBOURHOOD
- HEAT ALTERNATIVE
- HOW MANY HOUSES BY 2030?

HISTORIC TOWN



INSUFFICIENT
ISOLATION

> 90°
NECESSARY
FOR HEAT
ON COLDEST
DAYS

FACILITATE
CUSTOMIZATION
NO REGRET
MEASURES

POTENTIAL SOLUTIONS

ELECTRIFICATION
HYDROGEN GAS
RESIDUAL &
AQUA THERMAL HEAT



CHALLENGE:

50% NEIGHBOURHOODS
UNCERTAIN

ACTIONS:

SUSTAINABLE
BUILDING
COUNTER

ZERO ENERGY
RENOVATION
EXAMPLE

PILOT GAS-FREE
NEIGHBOURHOOD

DIGITAL
MEETING WITH
INHABITANTS

ANIMATION
FILM + INFOGRAPHIC

SURVEY

Heat strategy - MIDDELBURG

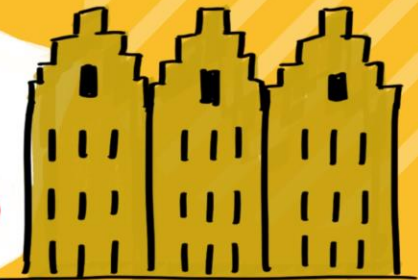
Winnie Versol – City of Middelburg
SHIFFT event 18/10/2021



HEAT STRATEGY BRUGES

LIES DEBBAUT

3rd LARGEST
City in Flanders



HEATING SYSTEM
IN HISTORICAL CENTRE

TOWARDS A CO₂-NEUTRAL City

HEATING NETWORK

A LOT OF PEOPLE
THINK OF WASTE,
ETC. WHEN
THEY THINK
OF CLIMATE,
BUT NOT OF
HEATING

TALKING TO
CITIZENS IS
KEY!

INTERNAL
CLIMATE
TEAM

1

CLIMATE PLAN



"CARING FOR
HEATING
STARTS TODAY"

SHIFFT Lunchtalk: DECARBONISING OUR HOMES AND CITIES

2

CITIZEN & STAKEHOLDER ENGAGEMENT

FOSSILE FREE
DWELLING

BRUGSE
VERWARMINGSREVOLUTIE

BOTTOM-UP-
CO-CREATION

3

HEAT STRATEGY



FEASIBILITY
STUDY

5

HEAT MAP

STAKEHOLDER
ANALYSIS?

4

Spatial impact

EXPAND NETWORK

BROAD SUPPORT & INFORMING

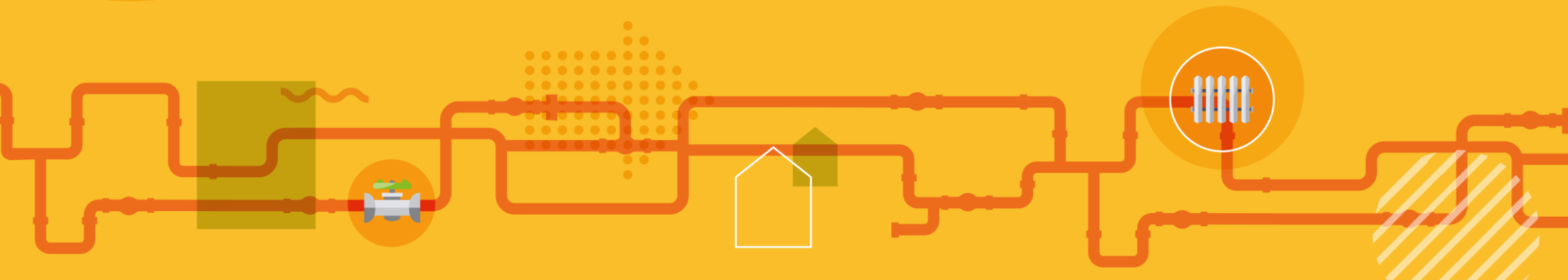
IMPACT
COVID-19



VISUALS BY visuality

Heat strategy - Bruges

Lies Debbaut – City of Bruges
SHIFFT event 18/10/2021





THANK YOU FOR YOUR ATTENTION



More information?

www.mechelen.be/shifft

www.linkedin.com/company/shifft-project

Contact?

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