



INTERNATIONAL PRACTICES OF PROMOTING ENERGY-EFFICIENT AND CARBON-NEUTRAL BUILDINGS AND NEIGHBOURHOODS

# EUROPEAN AFFORDABLE HOUSING CONSORTIUM (SHAPE-EU)

ENERGY-EFFICIENT BUILDINGS AND PROGRESS TOWARDS CARBON NEUTRALITY IN UKRAINIAN CITIES

Workshop organized in the framework of the project “UN4Kharkiv: Integrated Rehabilitation of Settlements (Territories) in Ukraine with a pilot project in the city of Kharkiv”

18 November 2022, 15:00-17:30 CET/16:00-18:30 Kyiv



The SHAPE-EU project has received funding from the European Union's Single Market Programme under Grant Agreement no. 101069909

*Massive, effective action is crucial to meet 2050 sustainability targets*

75%

Inefficient building stock in Europe

34M

Europeans unable to afford to heat their homes properly

1%

Energy-efficient renovation in buildings / year



*Contribution of the public, social and cooperative housing sector*

4M

Buildings renovated by 2030

- **Learn** from, rather than repeat the mistakes of the past.
- Innovation in housing = introducing **tested strategies, useful tools** and **new links with agents** of change.
- A **holistic approach** capable of contemplating different perspectives and layers of action + a **district-level approach** also to reach economies of scale.

## European Affordable Housing Consortium

Support **SMEs, public authorities and social and affordable housing providers**, in their planning and building renovation projects (district level)

SOCIAL AND  
AFFORDABLE  
HOUSING

DISTRICT  
RENOVATION

INNOVATIVE  
(LIGHTHOUSE)

*Picture removed*



*Not any kind, but that integrate...*

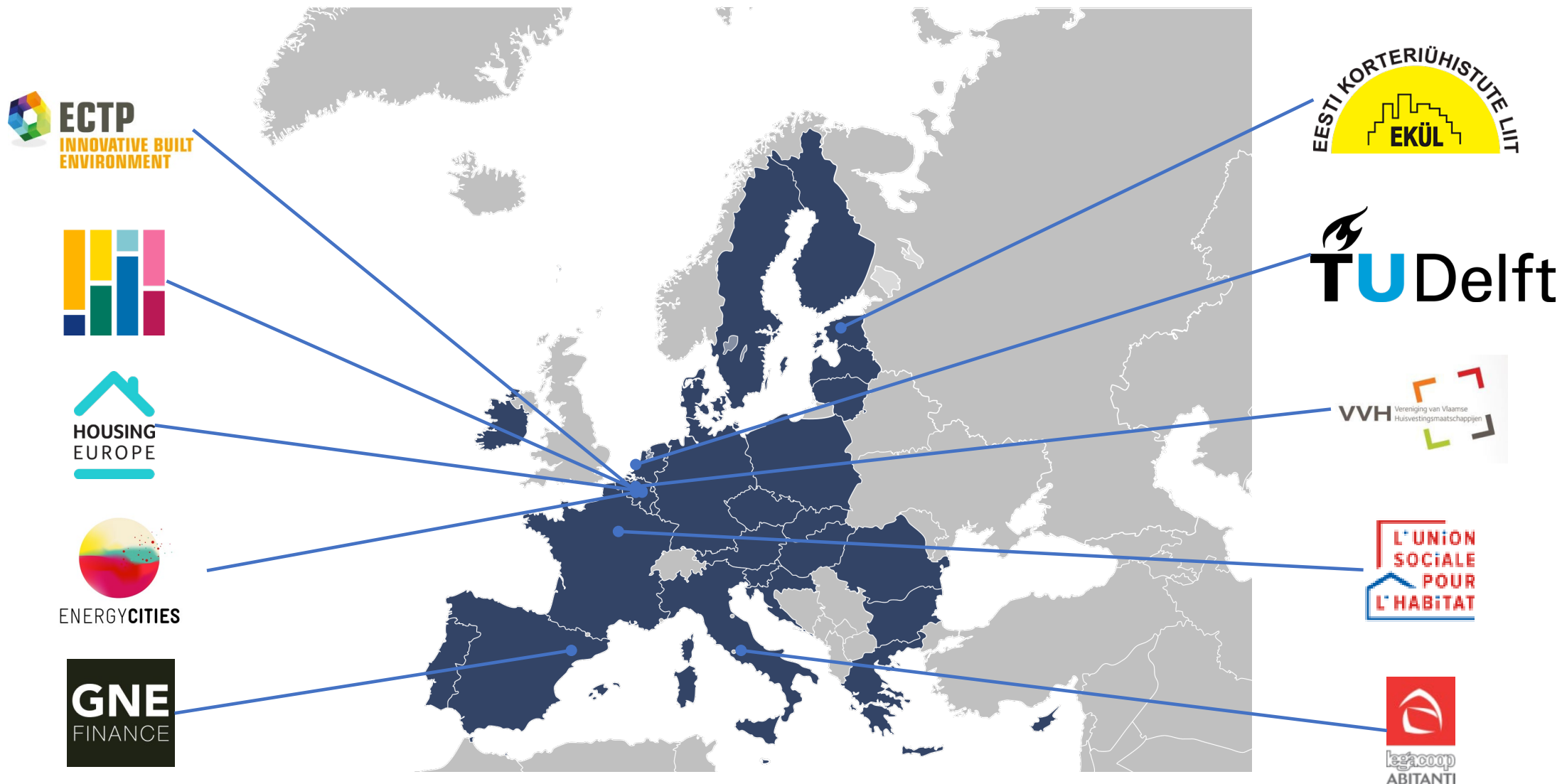
Smart, circular and modular renovation approaches,

People-centred models,

Co-creation and engagement practices  
> NEB

Liveability, Affordability at their core

# THE EUROPEAN AFFORDABLE HOUSING CONSORTIUM (SHAPE-EU)





# SAVONNERIE HEYMANS, BRUSSELS

- Former soap factory transformed into 42 middle income rental housing around 3 courtyards.
- Industrial frames kept.
- Solar panels + insulation work to increase performance to a passive standards.
- Natural materials, collective heating system and a rainwater harvester.

*Picture removed*



# NETTELBECKPLATZ, BERLIN

- Resident involved in the transformation.
- Renovation of a cooperative housing estate.
- Ateliers and co-housing solutions to create occupation mix.
- Common facilities like gym, community hall, common urban gardens.
- Support to self-organised community and neighbourhood.

*Picture removed*

# Örebro, Sweden

- *“Homebuilders” initiative*
- Initial relatively high rate of unemployment in Vivalla neighbourhood.
- 60 unemployed individuals offered work placement with contractor Skanska for the renovation works.
- Adequate procurement content to enable specific clauses.
- Trainees were mentored by experienced Skanska workers.

*Picture removed*



# Tailored Support



**'Seekers'**

*"I am planning a district renovation and I have a problem!"*



**Register online  
@Renovation  
Helpdesk**

<https://shape-affordablehousing.eu/apply-for-support/>



**Analysis**



**Selection of  
'seekers'\***

*Nov. 2022 > Nov. 2023*

*Matching with mentor*



**1-1 meeting**

*Brussels  
Vienna  
Paris  
Barcelona*

*June 2023 > Jan. 2024*



**'Experts'**

*"I can help: I have gone through a similar issue and found a solution!"*



**Register online**

<https://shape-affordablehousing.eu/call-for-experts/>



**Pool of  
experts**



**Call for experts \*\***

*Nov. 2022 > Nov. 2023*

*Matching with mentee*



*\* By geographic area, and then by topics covered*

*\*\* by expertise in topic and language*

## “IMPLEMENTATION ISSUES”

- accommodate tenants during the renovations?
- attract private investment to fund renovation?
- design procurement procedures that facilitate access of innovative SMEs?
- ensure cost-neutrality for residents after renovation?
- team up with local authorities to implement new technologies?
- renovate multi-apartment blocks where the involvement of multiple owners is required?
- adopt architectural approaches that allow individual housing buildings to fulfil different approaches: housing, leisure, nature, etc.?

## “SOCIAL ISSUES”

- involve residents in the process of renovating social and affordable homes?
- enable people with different backgrounds to thrive together and feel empowered?
- involve mediators to promote social cohesion before, during and after district renovations?
- Develop alternative models of ownership, for example of the energy utilities?
- Promote co-creation and co-design of the district renovation?

## “TECHNICAL ISSUES”

- ensure energy efficiency at district-level by combining different sources of energy?
- use modular building systems?
- adopt a circular approach?
- avoid that all the renovation expenses weigh solely on the owner?
- Choose the right digital tool for energy monitoring, customer relations or waste collection or others?
- aggregate different renovation projects so as to achieve economies of scale?
- standardize renovation solutions?

## Financial issues

- ensure your project is financially sound and sustainable?
- ensure the policy framework is conducive for innovation

# Calendar of events

## In June 6-9<sup>th</sup>, '23 in Barcelona

- ▲ **AHI Tech Camp**, held during the International Social Housing Festival which attracts over a 1,000 attendees
- Collaboration with the City of Barcelona

### Technology

- ▲ **Topic: "Technological innovation in affordable housing"**
  - ▲ Presentations of affordable technical solutions
  - ▲ Onsite exhibition of technological innovations
  - ▲ Affordable housing challenges workshops
  - ▲ Study visit to a lighthouse project
  - ▲ Sunset Sessions
  - ▲ Renovation Helpdesk.

## In June 21-23<sup>rd</sup>, '23 in Paris

- ▲ **AHI Summit**  
A 2-day full high-level programme dedicated to Finance.

### Finance

- ▲ **Topic: "Financing the Energy Transition in the Housing Sector"** – sessions dedicated to discussing the funding gap, financing models, and sustainable business models, including:
  - ▲ High level conference
  - ▲ Renovation Talks
  - ▲ Pitch with investors
  - ▲ Sunset sessions

## In September 18-19<sup>th</sup>, '23 in Vienna

- ▲ **AHI Bootcamp**  
Capacity-building event for SMEs, local authorities and housing providers.
- ▲ Collaboration with EFL, EBZ City of Vienna and GBV

### Capacity-Building

- ▲ **Topic: "Learn how to develop "Lighthouse Districts" renovation projects"**
  - ▲ Module 1: Funding and financial models
  - ▲ Module 2: Planning and Implementation of renovation projects
  - ▲ Module 3: Social Innovation
  - ▲ Module 4: Technological and technical innovations
- ▲ Study visit to a lighthouse project
- ▲ Renovation Helpdesk.

## All through '23 Online

- ▲ **AHI Virtual Training Days**  
Training in innovative methods to improve planning and implementation of social and affordable district renovations.  
"The Lighthouse District approach"

### Training

- ▲ **Training from experts** related to the content of the Blueprint Modules and the insights from the good practices analysed.

## All through '23 Online

- ▲ **AHI Webinar Series**  
Information and case presentations of financial issues related to housing and current funding opportunities.

### Training

- ▲ **Informative sessions** on the different ways to **finance housing district renovations**.

When & What

Early info...

# How to get support



Discover the project ▾

Get support ▾

Find inspiring examples ▾

Find policy solutions ▾

Join the movement ▾

Events



## Apply for support

Welcome to the helpdesk.

Would you like to know more about how to...

- ▶ attract private investment to fund renovation?
- ▶ enable people with different backgrounds to thrive together and feel empowered?
- ▶ accommodate tenants during the renovations?
- ▶ avoid that all the renovation expenses weigh solely on the owner?
- ▶ ensure your project is financially sound and sustainable?
- ▶ standardise renovation solutions?
- ▶ another renovation-related question that you are faced with?

The European Affordable Housing Consortium, SHAPE-EU is working closely with a number of experts who are committed to support you, those who make the fair renovation happen.

**You can benefit from the knowledge of mentors free-of-charge to receive advice on how to advance with innovative technologies, introduce people-centred models and/or experiment and co-create together with tenants and citizens.**

<https://shape-affordablehousing.eu/apply-for-support/>

# How to join as an expert



Discover the project ▾ Get support ▾ Find inspiring examples ▾ Find policy solutions ▾ Join the movement ▾ Events

## Call for Experts

**SHAPE-EU is looking for experts to support the process.**

The European Affordable Housing Consortium, SHAPE-EU, is welcoming external experts who are interested in providing advice to professionals of municipalities, social housing providers, or managers, and/or SMEs.

Experts will be part of the SHAPE-EU movement by mentoring professionals on how to go the extra mile in planning and implementing renovation projects at the district level. The mentorship will take place online or during a one-on-one meeting where both parties are given time to discuss a specific challenge that they have previously agreed upon.

Interested?

Tell us who you are and what is your expertise.

[I AM JOINING](#)

<https://shape-affordablehousing.eu/call-for-experts/>



# How to add your project



## Call for Lighthouse Districts

SHAPE-EU is looking for lighthouse districts to support the process.

When we speak about 'Lighthouse Districts' we usually mean working models of affordable, decent homes that include one (or more) of the following features:

► **Projects that use technologies**

*This could be digital, smart energy efficient solutions, circular and modular renovation toolkits and eco-design, use of renewables as energy sources to improve energy efficiency, sustainability of the district.*

► **People-centred business models**

*Here we are referring to energy communities, common spaces, co-investment in renovation, frameworks to empower residents, such as co-investing and resident-owned services, integration of circular economy approaches, as well as innovative financial models that promote social innovation, access to health and social services, opportunities for social economy enterprises, improving social inclusion, and fighting energy poverty.*

► **Experiment co-creation and engagement practices**

*More specifically, these are approached to renovation at a district level, engaging several disciplines (creative, green, digital, mobility) as a link to the New European Bauhaus.*

You can get involved and receive more details by contacting Housing Europe's Innovation and Project Manager.

GET IN TOUCH

<https://shape-affordablehousing.eu/call-for-lighthouse-districts/>



# Thank you for your attention!

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