



# Keeping our cities sustainably warm

Inspiring the Efficient Renewal of  
District Heating for the Just Transition



This project is funded by the EU's Horizon 2020 research and innovation programme under grant agreement N°784966.

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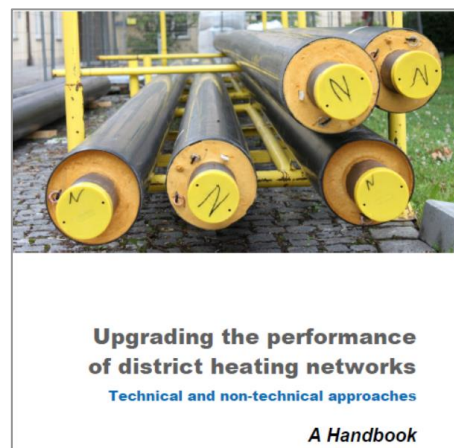
# RELATED PROJECTS



## 8 district heating demo cases

Bosnia-Herzegovina, Denmark,  
Croatia, Germany, Italy, Lithuania,  
Poland, and The Netherlands

- + replication to other 8 cities



## Best practice examples and tools

Innovative business and organisational  
models, capacity building measures  
and national DHC action plans

- + support for selected DH networks

## UpgradeDH

Upgrading the Performance of District  
Heating Networks in Europe



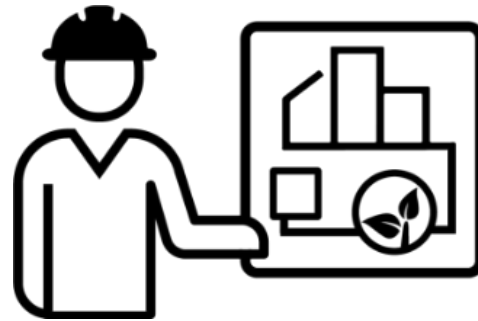
## Image raising campaign

Webpage, brochure, videos, public  
webinars, social media campaign,  
photo contest „Meet the ones who  
keep you warm!“

- Become a #DHCitizen!

Scaling up implementation on the ground through  
strategic policies & planning:

# LOCAL ASPECTS, CHALLENGES AND POLICY SOLUTIONS FOR ENERGY EFFICIENCY IN DH SYSTEMS



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*12. November, 2020*



JP Elektroprivreda BiH d.d.,  
Bosnia and Herzegovina



AALBORG UNIVERSITY  
Aalborg University,  
Denmark



Latvian DH  
Association



Lithuanian DH  
Association

## PRACTITIONERS' EXPERIENCES WITH DH SYSTEMS' EE



Source: JP Elektroprivreda BiH



Source: Wikimedia Commons

## NATIONAL POLICY CHALLENGES AND NEEDS

Individual heating

District heating

Environmental tax & ETS

Use of RES & zero emission  
technologies  
~ 56%

Energy efficiency

NO regulations

Requirements and regulation

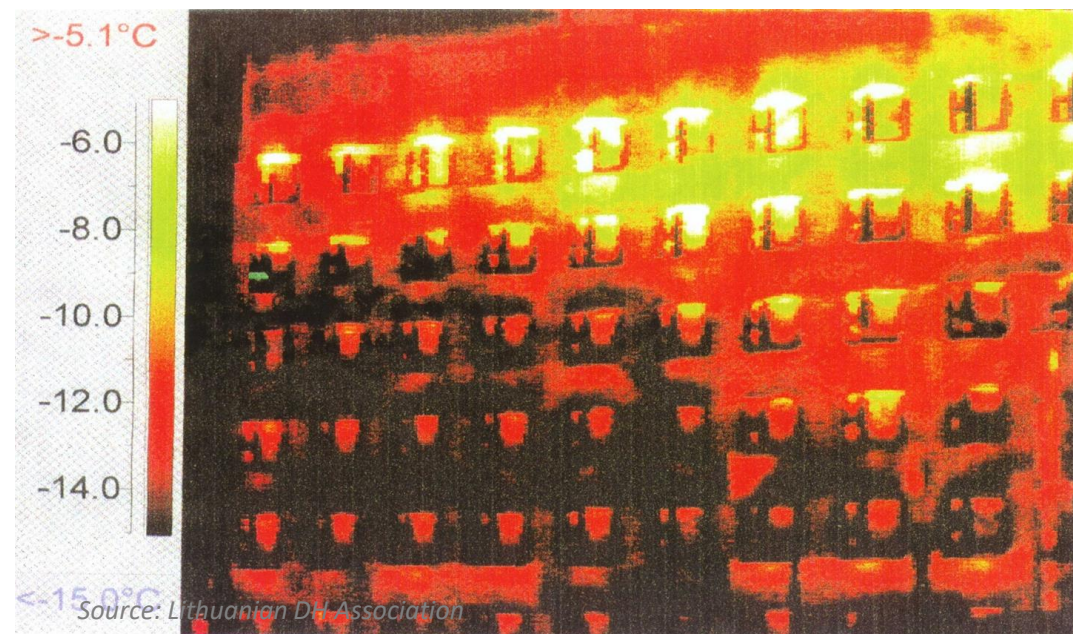
- **Individual heating very inefficient and pollutant**
  - But often creates unfair competition
- **District heating is a complex sector**
  - Specific legislation does not exist
- **Energy infrastructures need clarity**
  - Unpredictable and risky investment
  - Complicated, inadequate and demotivating regulation and pricing
- **Damaged reputation of DH service**
  - Caused by slow and limited progress in renovation of buildings
- **No specific feed-in tariffs for heat production from CHP or RES**
  - Hence no financial incentives to improve EE

Source: Latvian DH Association



## LOCAL POLICY CHALLENGES AND NEEDS

- **National climate and energy policy not transferred to municipalities**
  - Municipal heat plans are rather formal
  - DH companies' tactics based on lowest cost economy
- **No heat management plans**
  - Oversized heat production and transmission capacities
  - Low share of cogeneration
  - Low energy efficiency buildings
- **The pricing is not adequate**
  - Prices of thermal energy are not based on actual costs and are quite low (CHP)
  - Very few dwellings are equipped with thermostatic valves
- **No financial support for consumers to switch to sustainable heating solutions**

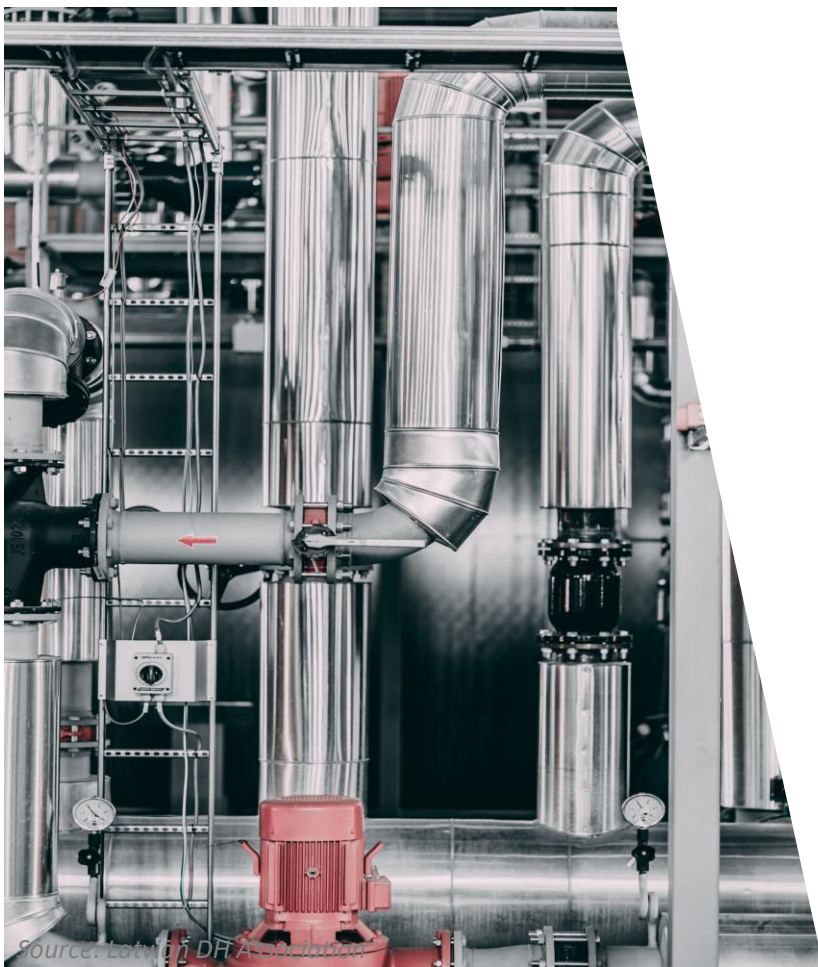


## RECOMMENDED POLICY SOLUTIONS – LOCAL

- **Changing from surface-based billing to consumption-based billing**
  - And include it into Law on thermal energy
- **Installing thermostatic valves for heating room temperature regulation**
  - Pay-back time = 3-4 years!
  - Local financial assistance
- **Renovation of buildings**
  - Local campaigns and support schemes
- **Financial support for the local development of renewable heating technologies**
- **Utilities are key partner!**



Source: JP Elektroprivreda BiH



Source: Latvian DH Association

## RECOMMENDED POLICY SOLUTIONS – NATIONAL

- Consensus on sustainable energy policy as well as adoption of NECP
- Adoption of laws and by-laws that regulate the heating sector
- Promotion of the DH network extension
- Focus on equal regulations and taxes for individual heating solutions & DH
- Subsidies and other reliefs for domestic production and procurement of equipment used for heating or cooling using RES
- Commercial banks to offer specialized products (favorable credit lines) for DHC



## POLICY OPPORTUNITIES – EU & BEYOND

- **The work on article 14 under the EED should go further**
  - It's far from perfect – but these quantifications are important
- **Renovation wave**
  - Combination savings/heat supply is emerging
- **Energy System Integration Strategy**
  - Far more sophisticated discussion on how to make the transition
  - Need for regulatory and financial support to ensure that the DH potential is transformed into reality





# KEEP WARM & Upgrade to DISTRICT HEATING

## Thank you! Questions?

For **more information**, and to be part of our **#DHCitizen** campaign:

*visit* our website:

[www.upgrade-dh.eu](http://www.upgrade-dh.eu)

*check* our campaign  
webpage:

[www.dhccitizen.eu](http://www.dhccitizen.eu)

*follow* us on Twitter:

[@upgrade\\_dh](https://twitter.com/upgrade_dh)



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