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Keeping our cities sustainably warm

Inspiring the Efficient Renewal of District Heating for the Just Transition
UpgradeDH
Upgrading the Performance of District Heating Networks in Europe

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

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**

Aksana Krasatsenka – DHC+ Technology Platform c/o Euroheat & Power

12. November, 2020
Practitioners' experiences with DH systems' EE

JP Elektroprivreda BiH d.d., Bosnia and Herzegovina

Aalborg University, Denmark

Latvian DH Association

Lithuanian DH Association
NATIONAL POLICY CHALLENGES AND NEEDS

- 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
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
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
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
Thank you! Questions?

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

visit our website: check our campaign webpage: follow us on Twitter:

www.upgrade-dh.eu www.dhcitizen.eu @upgrade_dh

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