

# ***Recommendations for the National Action Plan on District Heating Modernization***



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This project receives co-funding from the German Federal Ministry of Economic Cooperation and Development.



# Structure

- Heating visions, strategies and plans
- Supporting actions and expert guidance;
- Planning and regulation;
- Funding

# Approach for stakeholder consultations

- Preparation of initial draft based on KeepWarm project experience;
- Individual group discussion with representatives of each partnering DHS and city authorities;
- Targeted dissemination of updated draft among stakeholders with requests for comments;
- Presentation and discussion of the draft during the third webinar of KeepWarm Inspire events series;
- Finalization of the proposals.

## Heating visions, strategies and plans (1/2)

- 1.1 Approval of district heating development strategy for Ukraine and an action plan with specific measures
- 1.2 Approval of buildings energy efficiency improvement strategy for Ukraine
- 1.3 Distribution of responsibilities and powers between state and local authorities
- 1.4 Support of district heating system modernization in development planning documentation

## Heating visions, strategies and plans (2/2)

- 1.5 Mapping of district heating systems
- 1.6 Assessment of renewable energy potential for heat supply
- 1.7 Assessment of waste heat potential for heat supply
- 1.8 Assessment of the feasibility of constructing heat energy storage facilities
- 1.9 Consideration of climate change impacts and adaptation to climate change
- 1.10 Strengthening the resilience of operation under emergency conditions

## **Supporting actions and expert guidance**

- 2.1 Strengthening institutional capacity of national state authorities
- 2.2 Strengthening institutional capacity of local state authorities
- 2.3 Basic requirements for modernization projects
- 2.4 Increasing the attractiveness of district heating systems for final consumers
- 2.5 Capacity building and training
- 2.6 Awareness raising activities
- 2.7 Increased transparency of information on the operation of district heating systems

## **Planning and regulations (1/2)**

- 3.1 Preparation of district heating development schemes
- 3.2 Assess the feasibility of launching competitive heat energy market
- 3.3 Launching electronic trading of biomass fuel
- 3.4 Improving regulatory base for approving the level and structure of heat energy tariffs
- 3.5 Introducing state support system for district system development in cities
- 3.6 Assessment of waste energy potential utilization for large energy producers

## Planning and regulations (2/2)

- 3.7 Reforming carbon taxation mechanism
- 3.8 Construction norms and technological standards for district heating sector
- 3.9 Improvement of public procurement procedures
- 3.10 Incentives for heat energy generation from renewable energy sources
- 3.11 Environmental requirements for the use of biomass in heat supply systems



## **Funding (1/2)**

- 4.1 State support program for district heating modernization projects
- 4.2 Support of district heating systems modernization by local authorities
- 4.3 Debt management strategy for district heating system operators
- 4.4 Supporting the development of new business-models for district heating systems
- 4.5 Support energy efficient renovation in residential and public buildings

## **Funding (2/2)**

- 4.6 Cooperation with international financial organization and other partners
- 4.7 Mitigation measures for potential delays in payments in case of emergency situations

# Thank you!

For more information,  
visit our website

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