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Municipality of Ruse

Transforming cities for a smart, sustainable Europe – example from the lower Danube region

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Agenda

- Introduction
- State of the infrastructure. Problems addressed.
- Measures – what we are doing
- Results
- Future plans – what we want to achieve



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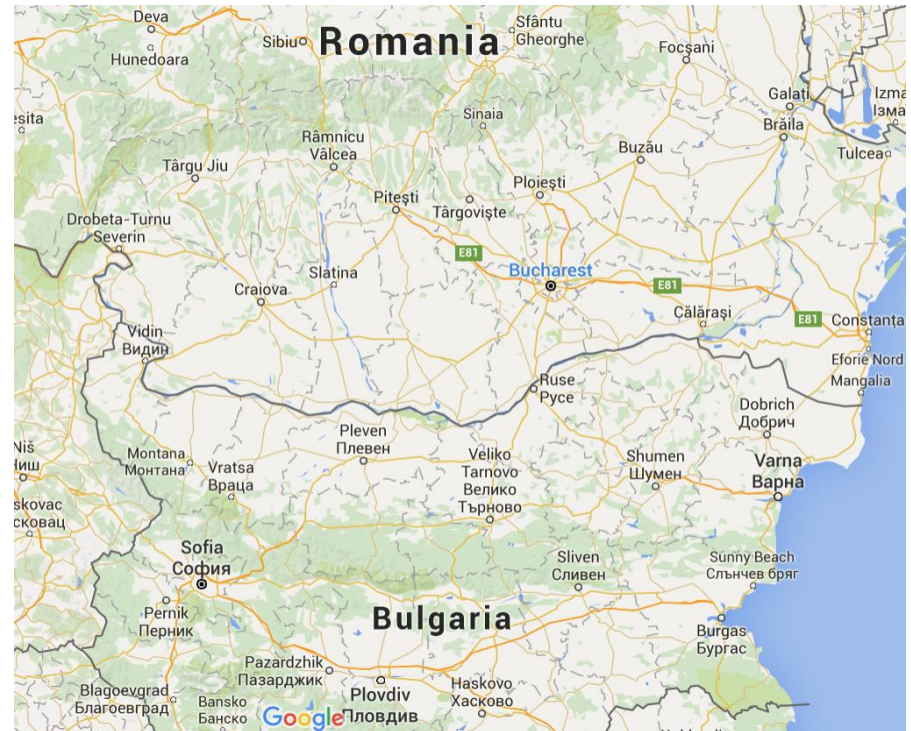
Introduction



Municipality of Ruse

Introduction

- The city of Ruse
- 144 000 citizens
- Danube river
- Ruse university
- Biggest city in Northern Bulgaria





State of the infrastructure. Problems addressed.

State of the infrastructure. Problems addressed.

- Old building stock – public and private
- A lot of panel buildings
- Lack of diversity of energy suppliers
- Electricity distribution networks are owned by private companies and not by municipalities



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State of the infrastructure. Problems addressed.

- Natural gas supply network too
- High electricity losses – up to 25%
- District heating is fully centralized
- RES are used in very limited amount
- Decision makers suffer the lack of specialists in the field of energy



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Measures – what we are doing



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Measures – what we are doing

- First energy efficiency plan of Ruse municipality - September 2013
- First plan for the use of RES – September 2013
- Strategy for Sustainable energy development - 2014



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Measures – what we are doing

- Participation in EU projects – gathering knowledge and experience
- Participation in other programs
- Monitoring and information collection
- Evaluation
- Energy management initiatives



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Measures – what we are doing

- Preparation of own projects as a leading partner:
 - For energy management
 - For building stock refurbishment
 - For waste utilization
 - For street lighting



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Results

- 16 multi-family buildings refurbished
- 10 public buildings refurbished
- Energy management savings:
 - For 2014/2015 - 1 316 MWh heat energy
 - For 2015/2016 – 20% more as last year



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Upcomming Results

- 17 panel buildings to be renovated
- 20 public buildings to be renovated
- Street lighting system to be renovated
- Bio-gas installation to start operation
- Energy management savings:
 - For 2016/2017 – another 20% increase as in 2015/2016
 - For 2017/2018 – at least 4000 MWh savings compared to 2014/2015 base line



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Future plans – what we want to
achieve



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Future plans – what we want to achieve

- To create a municipal “Energy efficiency fund”
- To equip the building stock with measurement and ICT equipment
- To create an IT platform for monitoring and control over the energy consumption of the municipal buildings



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Future plans – what we want to achieve

- To increase the production of energy from own RES
- To reduce the capital outflow
- To invest the saved money properly in sustainable projects



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Thank you for your attention!

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