

### News

#### District heating transformation in the Baltic Sea Region: Trade fair & partner meeting in Frankfurt am Main

Low temperature district heating (LTDH) systems are an important element to achieve sustainable energy supply structures and thus contribute to reduced energy waste and greenhouse gas (CO<sub>2</sub>) emission. The partnership of the Interreg project [Low Temperature District Heating for the Baltic Sea Region \(LowTEMP\)](#) met in the frame of the [Heating, Cooling and Combined Heat and Power installations \(CHP\) Congress](#) in Frankfurt a. M. on the 19<sup>th</sup> and 20<sup>th</sup> of April 2018 to discuss the crucial role of district heating and

the transition to sustainable energy supply in Europe. The partnership used the occasion to present first working documents prepared in the frame of the project.

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## LowTEMP project website online

The website presents the aims, work packages, outputs and current developments of the LowTEMP project. You will also learn about the LowTEMP partners, their competencies and roles. Also, major topic-related public events are announced on the website. The project website bundles all knowledge collected during the project implementation and keeps it available for District Heating (DH) stakeholders and the wider interested public.

[Visit the LowTEMP website...](#)



## Reports and cases

### Kindergarten "Pienenīte" exploring low temperature district heating possibilities

Vidzeme Planning Region (Latvia) has chosen the kindergarten "Pienenīte" in Alūksne municipality for a pilot activity to test options to improve the district heating (DH) system and even try to implement low temperature district heating (LTDH) systems. The kindergarten has about 140 children and it works throughout the year without summer breaks. Temperature and humidity meters were mounted in each classroom and CO<sub>2</sub> meter was installed in the sport hall. The collected data will be a basis for analysis, drawing conclusions and for planning the next steps on improving the indoor climate for children.

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## Upcoming events

### **EU Sustainable Week 2018, 4.-8. June 2018, Brussels, Belgium**

- Most important European conference dedicated to sustainable energy policy issues.

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### **Energy Day in Valmiera and Study Trip to Estonia, 14.-15. June 2018, Valmiera, Latvia**

- Event organised for municipal District Heating companies and energy planners to exchange ideas and talk about issues relevant to the energy management in Vidzeme region

### **16th International Symposium on District Heating and Cooling, 9.-12. September 2018, Hamburg, Germany**

- World's gathering place for district heating and cooling experts from academia and industry.

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### **VI Baltic Biogas Forum, 13.-14. September 2018, Gdansk, Poland**

- The conference covers topics related to the use of waste biomass (including biodegradable municipal waste) for energy generation through the application of biogas and other alternative fuels, especially integrated with co-generation systems and low temperature local district heating.

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### **Global District Energy Days, 25.-27. September 2018, Helsinki, Finland**

- Opportunity to discuss major issues of importance for European and Global District Energy sectors across a range of technical and commercial issues: from resource assessment and innovative technological design, to market and policy developments.

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### **European Week of Regions and Cities, 8.-11. October 2018, Brussels, Belgium**

- Discussing DH challenges and opportunities with European local and regional authorities

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### **I Energy Efficient Cities Conference, 17.-18. October 2018, Gdynia, Poland**

- The conference covers topics related to energy efficient buildings, their adaptation to low energy and low temperature district heating standards.

[More upcoming events...](#)

## Past events

### **Network conference “Smart city and climate-friendly infrastructure” of the German-Austrian Urban network, 24. and 25. May 2018, Leipzig, Germany**

Whether and how LTDH can be used is also a question that the members of the [German-Austrian Urban Network](#) deal with. They work in the context of the holistic conversion of city districts with different starting conditions and aims. At the 68th conference of this network in Leipzig, atene KOM GmbH had the opportunity to present the project idea and present findings of LowTEMP. Since LowTEMP is in the start-up phase, the project cannot yet provide conclusive answers and solution models.

However, with the help of the next two and a half years of planned activities and results, this will be possible. The members of the Urban Network can then benefit from it, who showed great interest after the project presentation.



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### **Meeting with the authorities of Ilmajoki municipality, 26. April 2018, Ilmajoki, Finland**

The participants discussed ideas on district heating network in Ilmajoki area. The objective of the meeting was to map out if there are existing areas (zoned) or potential future areas (to be zoned), where district heating solutions towards 4th generation district heating can be designed and thereafter implemented.

#### LowTEMP project partner meeting in Denmark, 7.-9. March 2018, Holbaek, Denmark

From 7 to 9 March 2018, the partners of the Interreg BSR project LowTEMP met in Holbaek, Denmark. The partner meeting was hosted by two Danish project partners, Holbaek municipality and "Gate 21". The three-day meeting not only served for an intensive exchange on the work contents of the project regarding the expansion of low temperature district heating (LTDH) grids in the Baltic Sea Region, but also for the capacity building in the partnership and the discussion of planned pilot activities.



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#### Local LowTEMP stakeholder meeting, 16. January 2018, Ilmajoki, Finland

The introduction of the LowTEMP project and the topic of low temperature district heating (LTDH) stirred up discussion amongst the Finnish stakeholders. The situation of DH in Finland was briefly discussed as well as the scenarios for LTDH networks. The DH in Ilmajoki is similar to other parts of Finland, where district heat is produced with CHP and heat only boilers. The main discussions were around supply and return temperatures. The main benefits of lowering temperatures in Ilmajoki would be the decrease of pipe losses, which are approximately 15%. The next stakeholder event will take place before autumn.

#### Sustainable heating supply infrastructure for the Baltic Sea region, Kick-off meeting LowTEMP, 22. November 2017, Gdansk, Poland

On 22 November, the EU-funded project LowTEMP (Low Temperature District Heating for the Baltic Sea Region) started in Gdansk, Poland with a kick-off meeting. LowTEMP aims to make the district heating (DH) supply infrastructure in the Baltic Sea Region more efficient and sustainable by introducing low temperature grids and the related technologies.

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[More past events...](#)

The LowTEMP project is supported by the [European Union](#) (European Regional Development Fund & European Neighbourhood Instrument) in the frame of the [Interreg Baltic Sea Region Programme 2014-2020](#).

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