



▪ FOREWORD

DHC+ it's now !

Understanding that Research & Innovation contribute directly to the well-being of individuals and society in general, we made the quality of life of European citizens the “WHY” of the DHC+ Technology Platform. We strongly believe that expanding District Heating and Cooling is “WHAT” can help us to reach our shared goals. The three main pillars of “HOW” DHC+ shapes the future of the sector have been identified by our members as the following:

- 1. Research & Innovation**
- 2. Education & Training**
- 3. Communication & Exchange**

During the year 2013, DHC+ continued to be actively involved in international research projects, and our new Education & Training activities resulted in a striking success! At the same time, the Platform fostered exchange and cooperation between different actors active in the field, “WHO” helped us drive European Research & Innovation in DHC.

Take a look at the work we have done in 2013, support our activities – be part of the DHC+ movement now!



Yves Delaby
Chairman of the DHC+ Technology Platform



▪ SHAPE THE FUTURE ENERGY SYSTEM

Integrated Roadmap

Who has not dreamt about shaping the future of the European energy system?

Together with 20 other partners representing the whole energy spectrum, DHC+ is involved in the Coordination Group to draft the SET Plan Integrated Roadmap.

The DHC sector has an important role to play in making the future energy system more efficient by:

- Balancing the excess electricity
- Bringing renewable energy into cities
- Making good use of excess heat from industries, and so much more!

The Platform will continue to put forward key DHC Research & Innovation actions, responding to the needs of the European energy system in 2020, 2030 and beyond.



SMART PEOPLE BUILD SMART DISTRICT ENERGY

Investing in Education & Training

Education & Training continue to be a top priority for DHC+. The future of DHC relies on well-educated and well-prepared people to drive Research & Innovation for the future. This was confirmed by the flagship initiatives taken in 2013.

The **1st International DHC+ Student Awards**, granted in 2013, welcomed a number of outstanding research papers. The 2nd edition has already been launched and DHC+ is looking forward to receiving students' contributions until April 2014.

The **1st International DHC+ Summer School** took place in Berlin with 24 students from across the globe. The enthusiasm from both students and lecturers confirms the value of developing this type of activity. The next edition will take place in Helsinki.

We're counting on you to spread the word!

Find out more at the dedicated webpage via the DHC+ website:
www.dhcplus.eu





▪ LET'S GIVE EFFICIENT AND GREEN DHC SOLUTIONS THE CREDIT THEY DESERVE!

Ensuring the sustainability of past projects

On the basis of our shared conviction that energy efficiency starts with thoughtful urban and regional planning, DHC+ supported the UP-RES project. Co-financed by the Intelligent Energy Europe programme, this project focused on creating favourable conditions for planning energy efficient urban areas with renewable energy systems.

All the training materials developed during this project are available here: <http://aaltopro2.aalto.fi/projects/up-res/materials.html>

Upgrading urban energy grids with DHC solutions

2013 saw some encouraging steps being taken forward, thanks to the use of the results from the Ecoheat4cities project. The unique initiative created an eco-label for DHC systems which fosters the use of renewable energy solutions.

While the project provided crucial input in the standardisation efforts at EU level, the label allows for increased transparency and consumer information at local level.

More information about the project can be found at: www.ecoheat4cities.eu



▪ GIVING RENEWABLE ENERGY THE RIGHT PLACE WITHIN DHC

Variety of on-going projects

District Heating and Cooling responds to the climate change challenge by integrating more renewable energy sources into its flexible systems.

With its involvement in the projects SDHplus and SUNSTORE4, the DHC+ Technology Platform aims at raising awareness of the efficient combination of DHC with solar thermal technologies.

Find out more at www.solardistrictheating.com and at the new www.sunstore4.eu website.

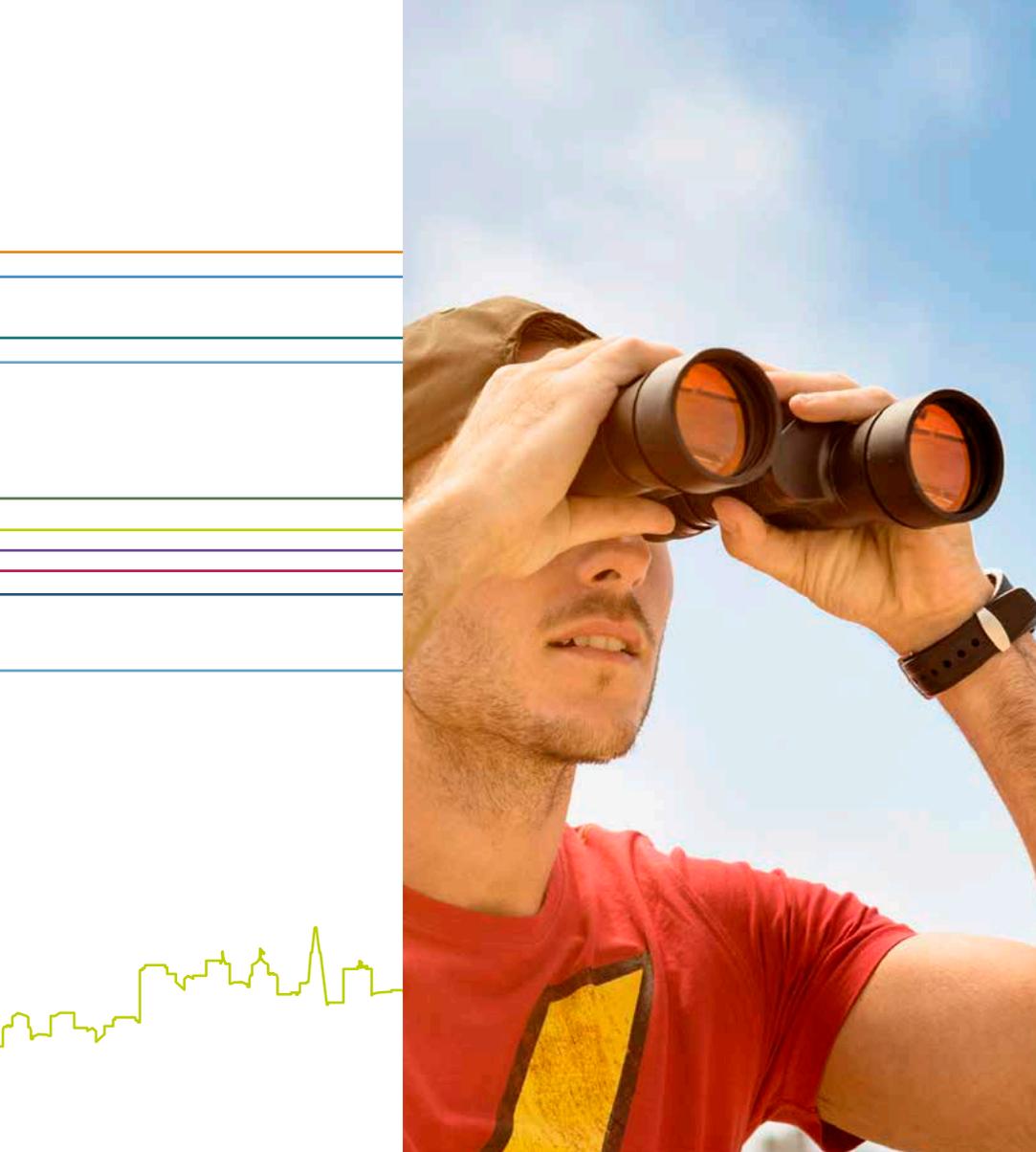
Experience shows that the full potential of sustainable heat use from biogas plants is yet to be achieved. The BiogasHeat project fosters the development of heat utilisation strategies across Europe.

Have a look at www.biogasheat.org

Cooling is not forgotten. Through the RESCUE project, DHC+ continues to actively promote the development and the implementation of District Cooling using low and zero carbon emitting sources.

More information is available at www.rescue-project.eu





▪ SUPPORTING BRIGHT IDEAS

From policy and research to action

DHC+ continued to collect bright ideas and transform them into European projects in an effort to prepare the future of energy systems.

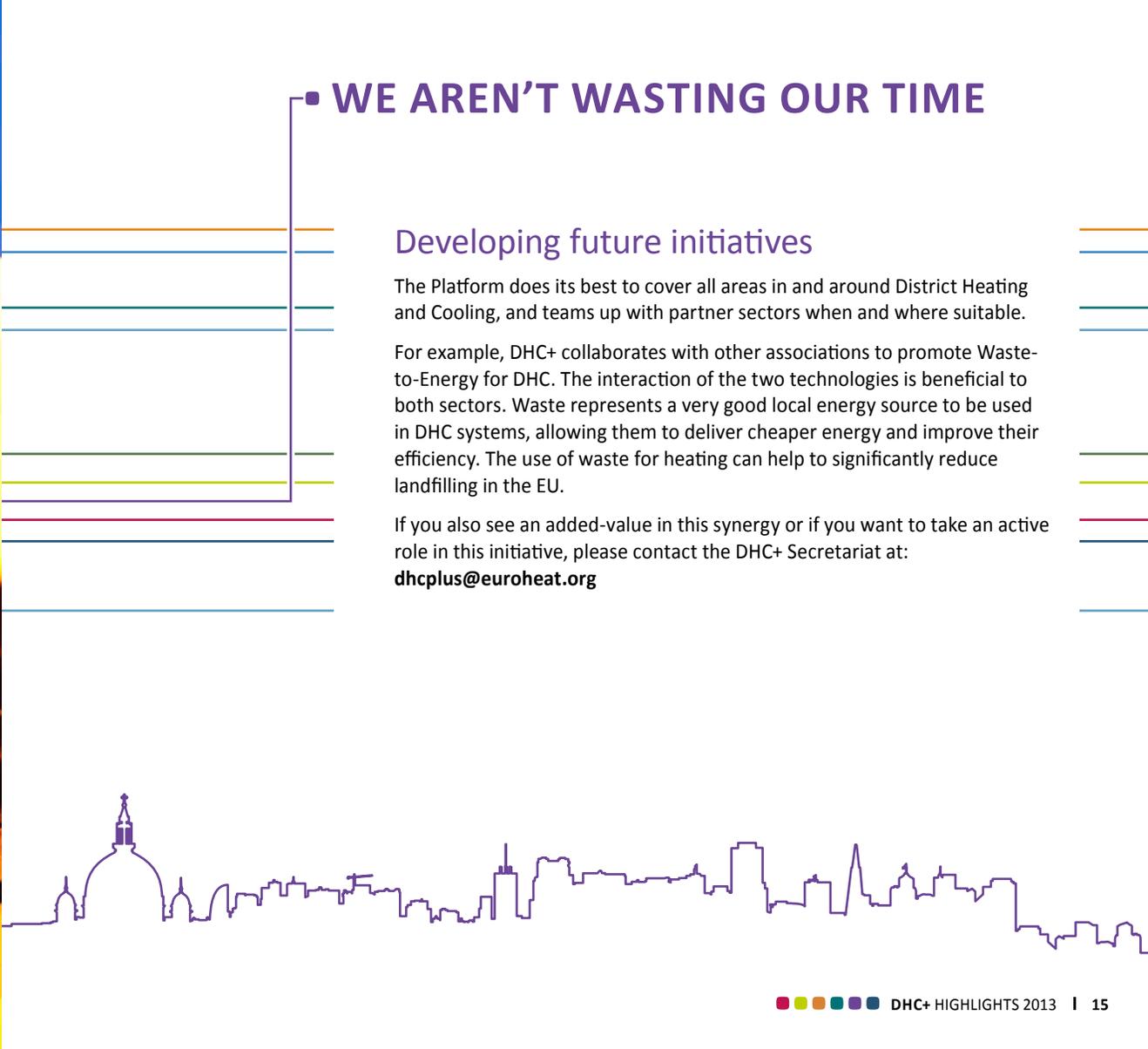
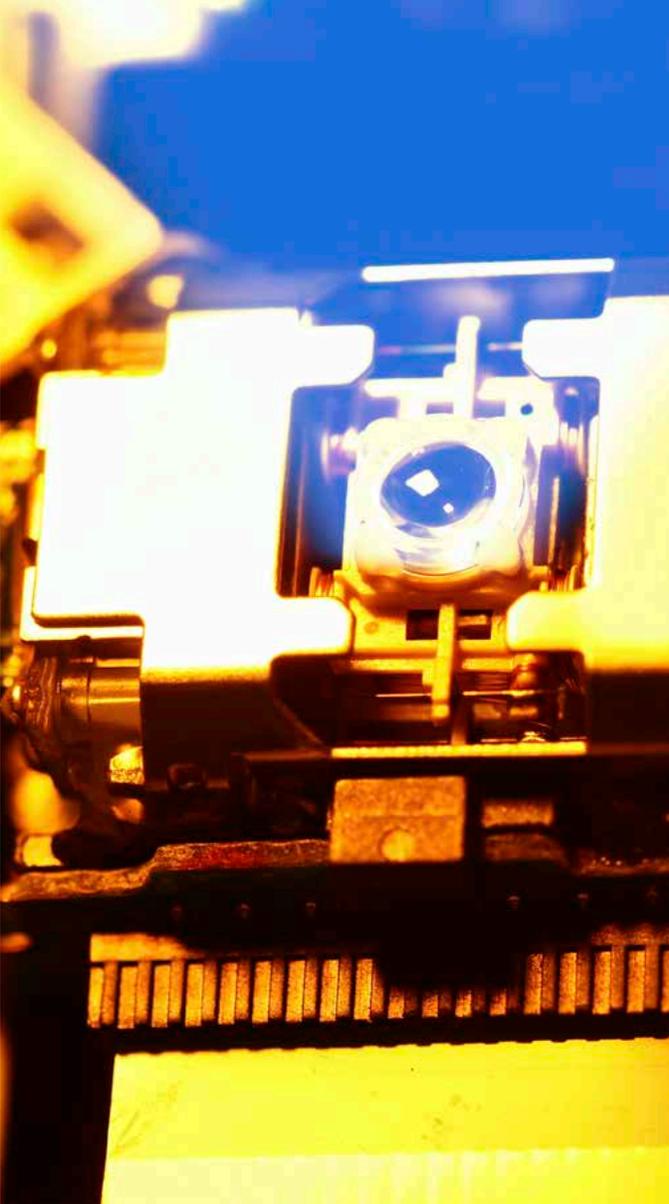
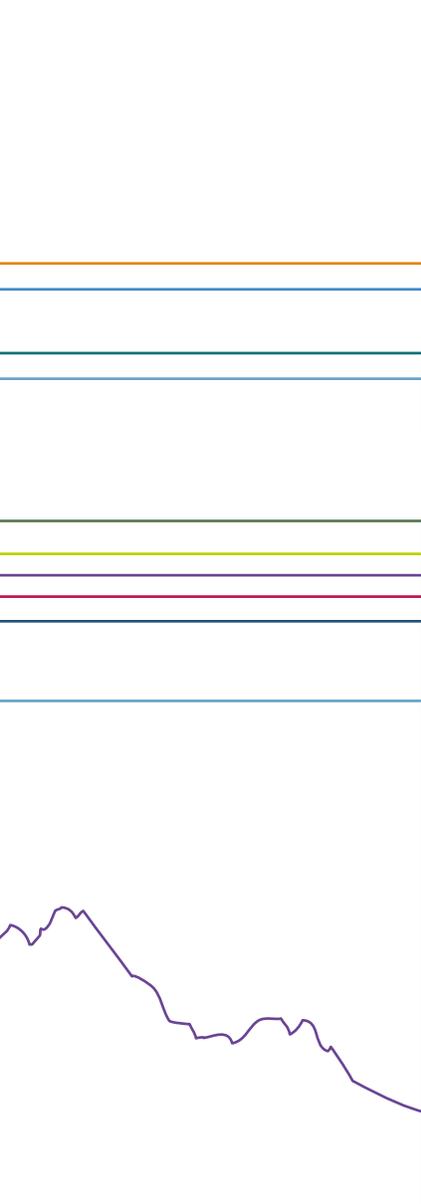
STRATEGO will take the results of the Heat Roadmap Europe study - developed by Euroheat & Power - a step further, by implementing its results at national, regional and city levels.

Co-financed by the Intelligent Energy Europe programme, **STRATEGO** directly supports the authorities of 5 countries with the drafting of their National Heating and Cooling Plans. It will involve more than 20 cities/regions through cross-border coaching.

More than 20 entities are involved in the **CEN Workshop on Eco-efficient substations**. Together, they will reach a consensus in shaping the District Heating substations of the future for the benefit of all stakeholders involved in the thermal chain.

There is still an opportunity to be part of the CEN Workshop. To find out more, contact dhcplus@euroheat.org





▪ WE AREN'T WASTING OUR TIME

Developing future initiatives

The Platform does its best to cover all areas in and around District Heating and Cooling, and teams up with partner sectors when and where suitable.

For example, DHC+ collaborates with other associations to promote Waste-to-Energy for DHC. The interaction of the two technologies is beneficial to both sectors. Waste represents a very good local energy source to be used in DHC systems, allowing them to deliver cheaper energy and improve their efficiency. The use of waste for heating can help to significantly reduce landfilling in the EU.

If you also see an added-value in this synergy or if you want to take an active role in this initiative, please contact the DHC+ Secretariat at:
dhcplus@euroheat.org





▪ DHC+ BROADENS ITS NETWORK

Cooperating with other stakeholders

District Heating and Cooling does not stand alone when facing the various challenges in the journey towards not just an integrated energy system but an integrated industrial system.

That's why DHC+ is not just involved, but is one of the driving forces behind the Renewable Heating and Cooling and Smart Cities Stakeholder Platforms.

At the same time, individual contacts with other research clusters and associations help us to define common areas of interest.

Additionally, the Platform's Steering Committee took the forward-looking decision to join Knowledge4Innovation. With this step, DHC+ will reinforce and advance its position as thought leader and integrating research platform, encouraging the role of DHC in Europe and beyond.





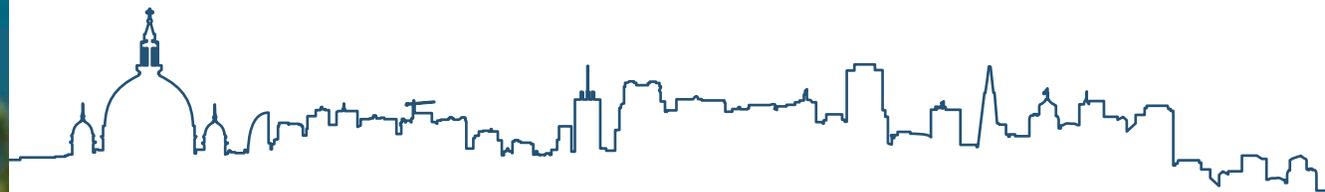
▪ THE ART OF LISTENING, LEARNING AND SHARING

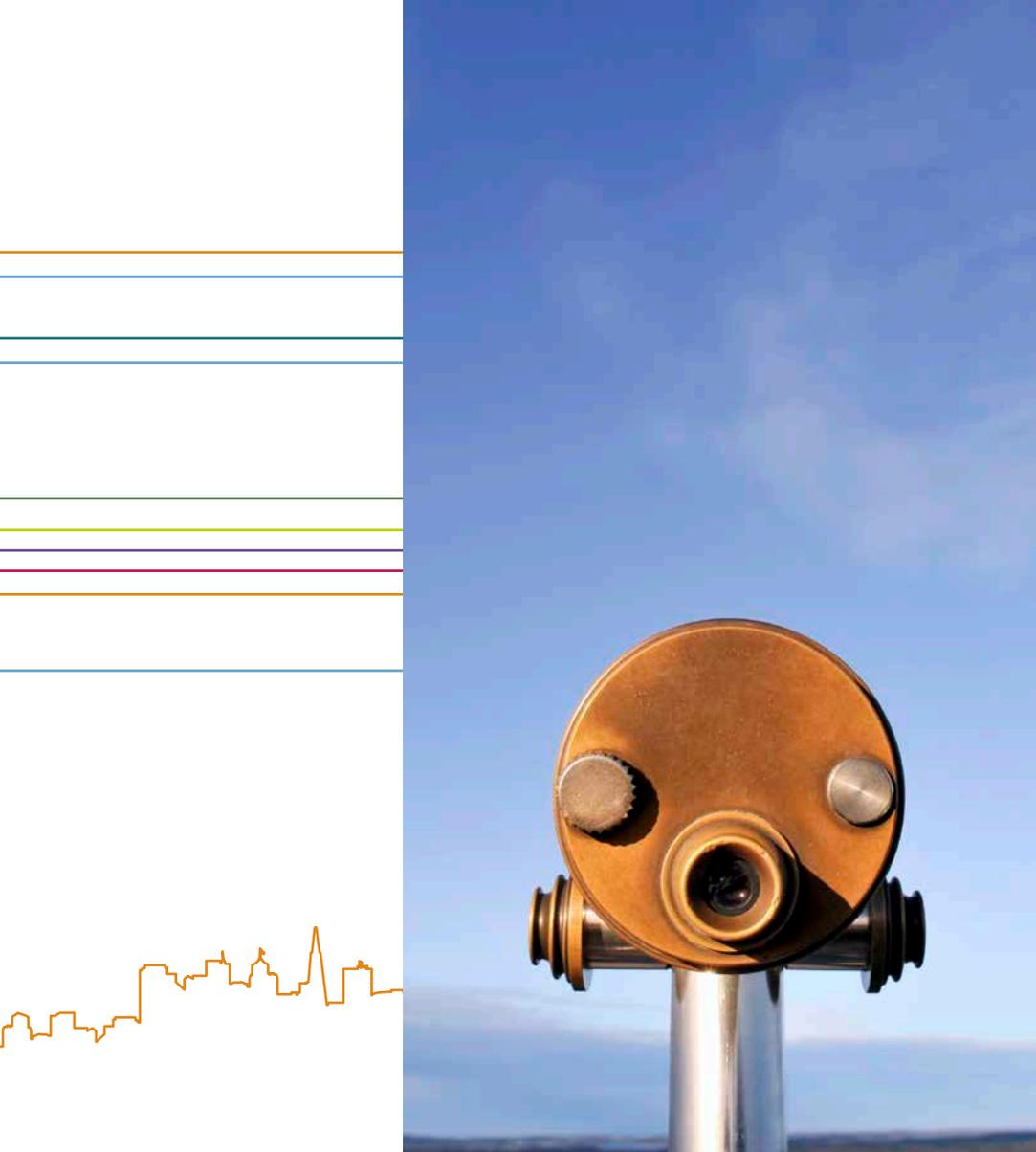
Communication matters

This year, the DHC+ biannual Newsletter and the new DHC+ brochure were disseminated among stakeholders all across Europe. The Platform also branched further into the social networking sphere. Frequent updates on Twitter and Facebook created opportunities to reach people who are not yet aware of the Platform's work.

2013 also marked the 2nd edition of the International DHC+ Research Conference. The Platform successfully gathered a key community of researchers and professionals for a lively and fruitful two-day debate.

You can join us at our events related to Research & Innovation in DHC and read our DHC+ Newsletter online by visiting www.dhcplus.eu





▪ 2014. WILL YOU BE PART OF THE MOVEMENT... ?

The DHC+ Technology Platform was founded in 2009 by a group of stakeholders in the sector and has since worked hard to develop and expand.

The Platform is run by Euroheat & Power, the international DHC association, and with this support, DHC+ has managed to grow into a recognised institution. Today we have more than 35 members from all across Europe representing academia, research, industry and business. DHC+ unites universities with utilities and manufacturers, as well as research institutes with national associations.

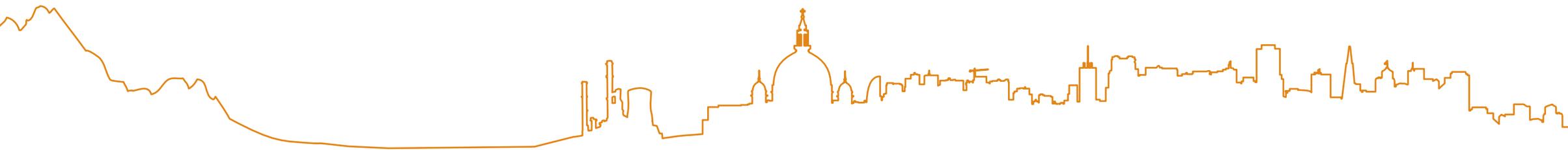
Enter this circle of important and highly committed stakeholders!

Join us in 2014 and help drive European Research & Innovation in DHC!

Contact us at dhcplus@euroheat.org

The **DHC+ Technology Platform** is conceived as the research component in the overall strategy geared at expanding District Heating and Cooling.

Set up under the umbrella of Euroheat & Power, it serves to foster European-wide cooperation in technology development, innovation and deployment strategies.



DHC+ Technology Platform

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