

Invitation to the Webinar on
IEA DHC Annex TS7: Industry-DHC Symbiosis
“A systemic approach for highly integrated industrial and thermal energy systems”

Friday, 30th April 2021, 12.30 to 15.30 (CET)

A side event of the Mission Innovation Austria Online Conference
<https://missioninnovationaustriaweek.at/>

For the decarbonization of the energy intensive industry and service sector, high temperature levels and energy demand densities are resulting in a high need for renewable fuels such as biofuels and hydrogen. Since those sources are scarce, their cascaded use plays an important role. On the other hand, waste heat from industry plays an increasing role in the decarbonization of district heating networks since the currently dominating combined heat and power plants will have a decreasing role. Further on, district heating can help to serve industrial processes with low temperature requirements and the supply of process cooling opens new possibilities. District heating networks are thus an important platform for the mutual exchange of energy (e.g. as a hub between two industrial companies) and part of the circular economy.

Aim of the webinar is

- to discuss the potentials, barriers and solutions for an Industry-DHC Symbiosis in general
- to prepare an international working group (“Annex”) within the IEA-DHC technology cooperation programme (<https://www.iea-dhc.org/home>)

The webinar is directed towards:

- District heating network operators and energy suppliers
- Representatives from the energy intensive industry (and service sector)
- R&D institutes and universities
- Policy makers, energy authorities and associations

Attendees may attend free of charge; a link for the online participation will be send out after registration

Registration is required by 28 April 2021 (end of working day) via this [LINK](#).

Webinar organization: Roman Geyer, Roman.Geyer@ait.ac.at
Ralf-Roman Schmidt, Ralf-Roman.Schmidt@ait.ac.at

Agenda

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| 12:30 | <i>Testing of technical connections</i> |
| 13:00 | Webinar opening and welcome (<i>Ralf-Roman Schmidt, AIT</i>) |
| 13:15 | Presentation of the concept for the new IEA DHC Annex TS7, an international working group (<i>Roman Geyer, AIT</i>) |
| | Presentation of the subtasks in detail (<i>each designated subtask leader</i>) |
| 14:30 | Methodologies and approaches to identify and map waste heat potentials (<i>Ralf-Roman Schmidt, AIT</i>) |
| 14:40 | Industrial Heat in a Decarbonized Energy Future – A German Perspective (<i>Stefan Lechtenböhmer, Wuppertal Institut</i>) |
| 14:50 | Waste heat: barriers, business cases and risk (<i>Kristina Lygnerud, IVL</i>) |
| 15:00 | External utilization of industrial waste heat: non-technical barriers and solutions (<i>Simon Moser, Energieinstitut an der JKU Linz</i>) |
| 15:10 | Q&A, concluding remarks and next steps |
| 15:30 | <i>End of the webinar</i> |