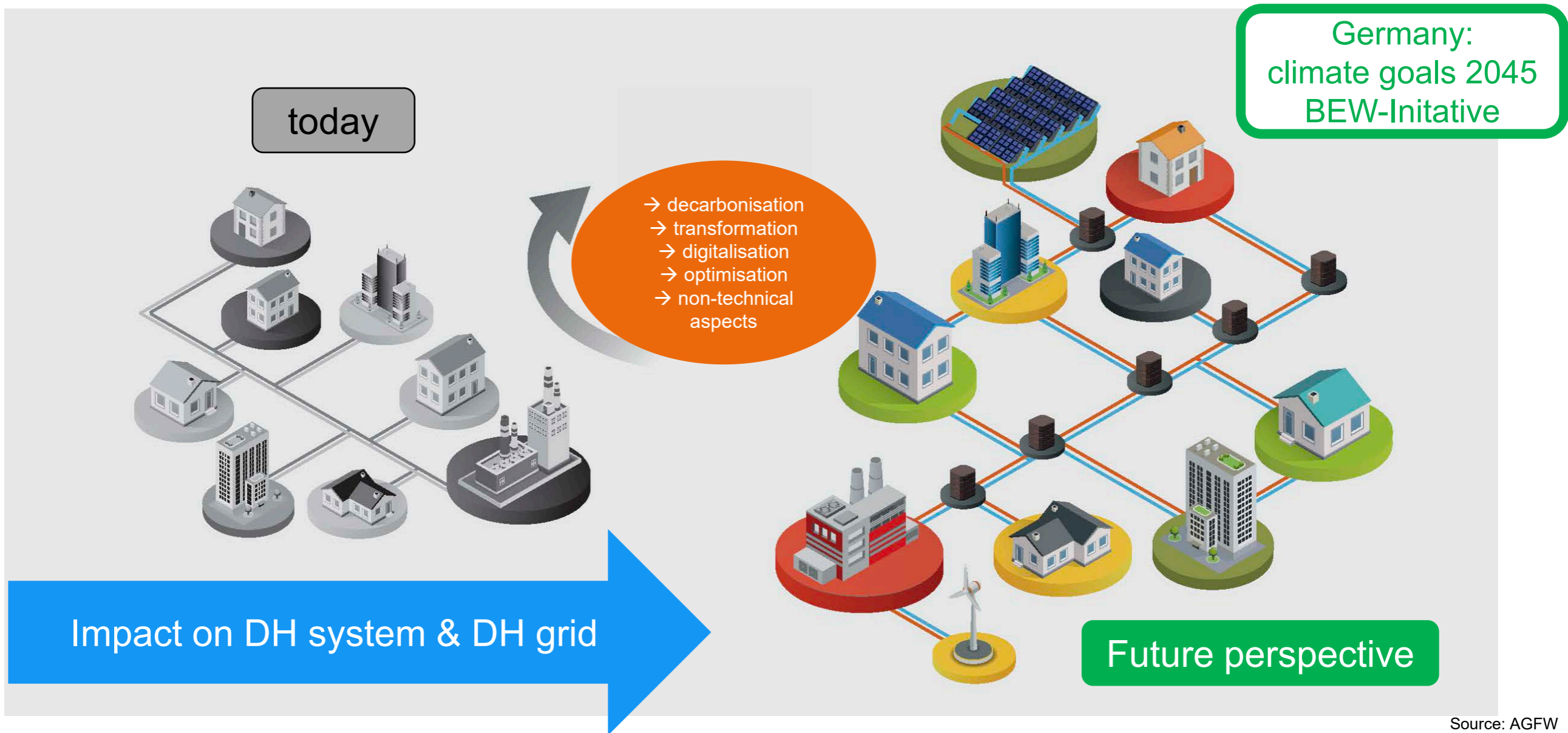


The background of the slide is an aerial photograph of a city skyline, likely London, showing numerous skyscrapers and dense urban development. The sky is a pale, hazy blue. The title text is overlaid on this image.

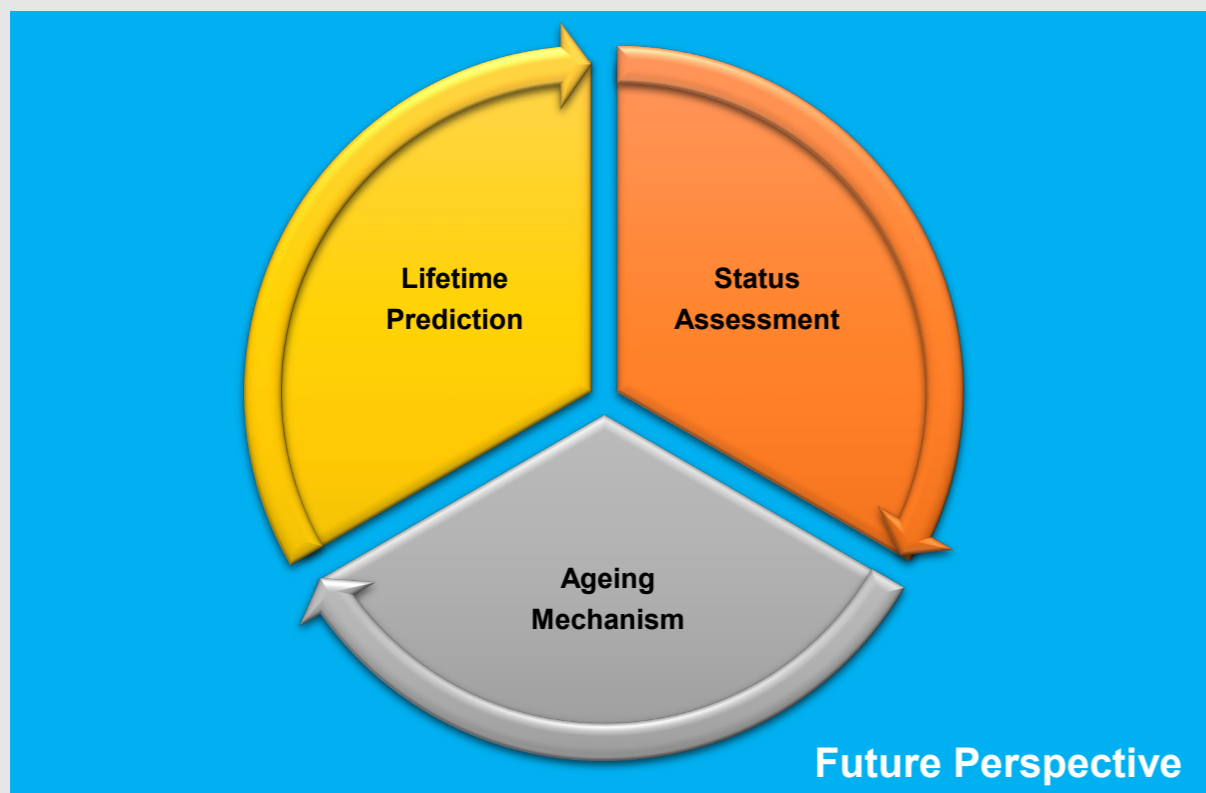
The Rising Importance of Asset Management in District Heating

Stefan Hay | BSAM Workshop virtual | 18th April 2023



The IEA DHC TS 6 Project: Approach, subtasks & goals

Asset Management



maintenance, investments &
software tools

information on pipes (today)

laboratory testings &
real life application

equations for predictions

**impact of DH evolution on
existing systems**

The Main Objective of the IEA DHC Task Shared 6 Project



- Collection of research results available
 - Harmonize latest results and make proposals for the improvement of related standards/recommendations
- **Make research results available for DH utilities**
- Identify and close knowledge gaps
 - Involve the international DH community (researchers, experts, municipalities a.s.o.)

→ **We are still looking for further contributions!!!**

For further information: <https://www.iea-dhc.org/the-research/2021-2025-annex-ts6>

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darum fernwärme ...

denn sie ist stubenrein und hilft,
CO₂ zu vermeiden.

fernwärme 
rein ins haus.

Noch Fragen?

www.fernwaerme-info.eu



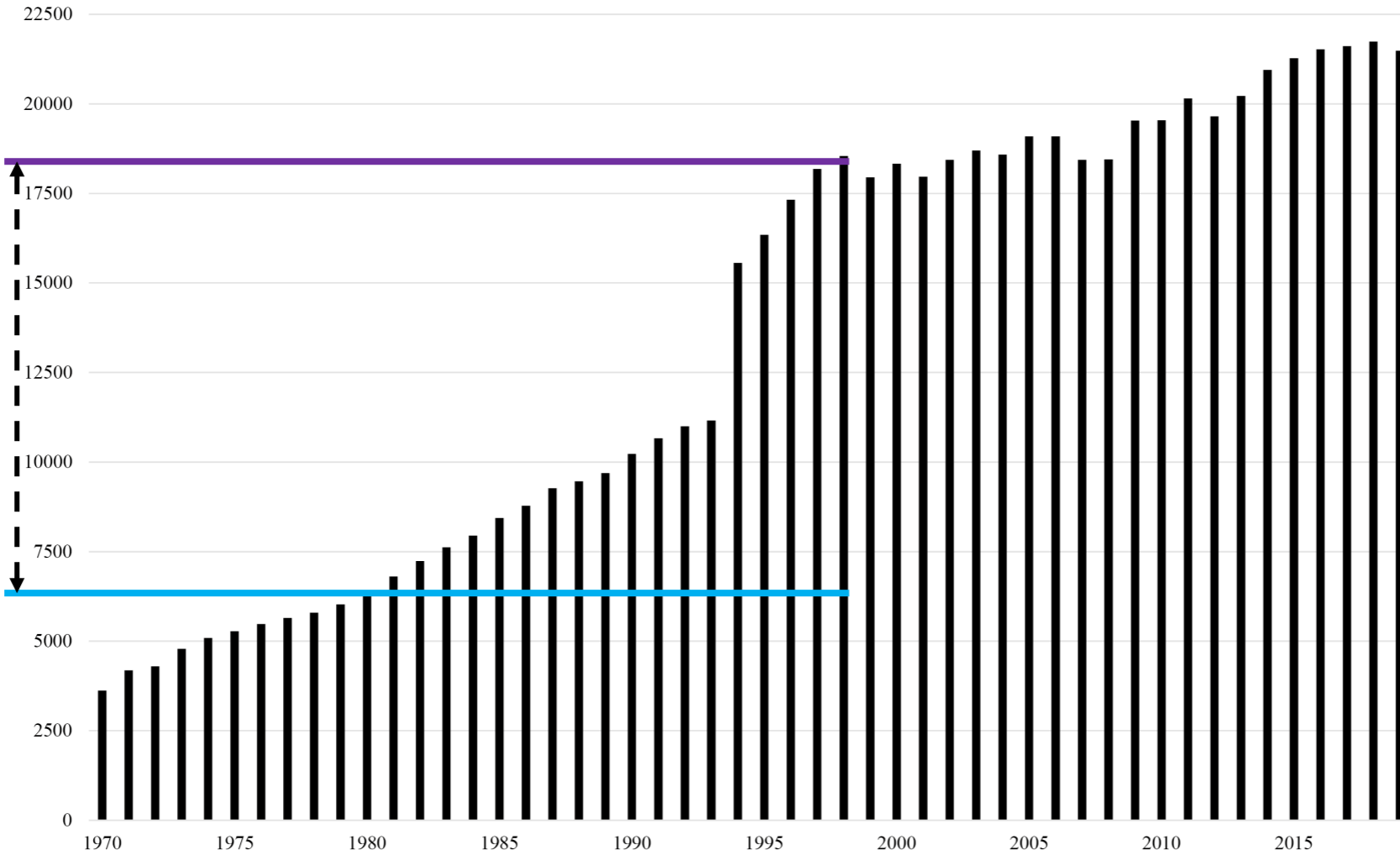
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Development of the Length Trace [km] of DH Networks in Germany since 1970 [4]



Today: total length 21.500 km trace

Predominantly hot water networks, design temperatures > 110°C

Significant expansion of DH networks in Germany in the 1980s and 1990s

High share of existing DH networks in Germany are using buried preinsulated bonded pipes

National climate goals:
 → reduce greenhouse gas emissions
 → leads to the transformation and decarbonisation of existing DH networks.
High investments needed!

Source: AGFW Main report, 2019 [4]