

DAS ENERGIEREFERAT - Municipal Energy Agency

1st City-to-City Event IUC Introduction City of Frankfurt

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City of Frankfurt:

Challenges:

Sustainable urban development by a fast growing population and economy

- population: 736.222
- area: 248,3 km²
- GIP: 65 billion € / 76 billion \$



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Targets:

100 % renewables by 2050

50 % reduction of energy consumption by 2050



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**50 % of the renewables-based efficient energy supply
will be provided from within the city of Frankfurt itself**

**50 % of the energy needed will be delivered by renewables from
the surrounding Rhein Main region**



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Challenge – Expanding renewables

- Potential of waste, biomass and water is already being largely exploited
- Few open spaces left in the city
- Greatest potential: reduction of energy consumption



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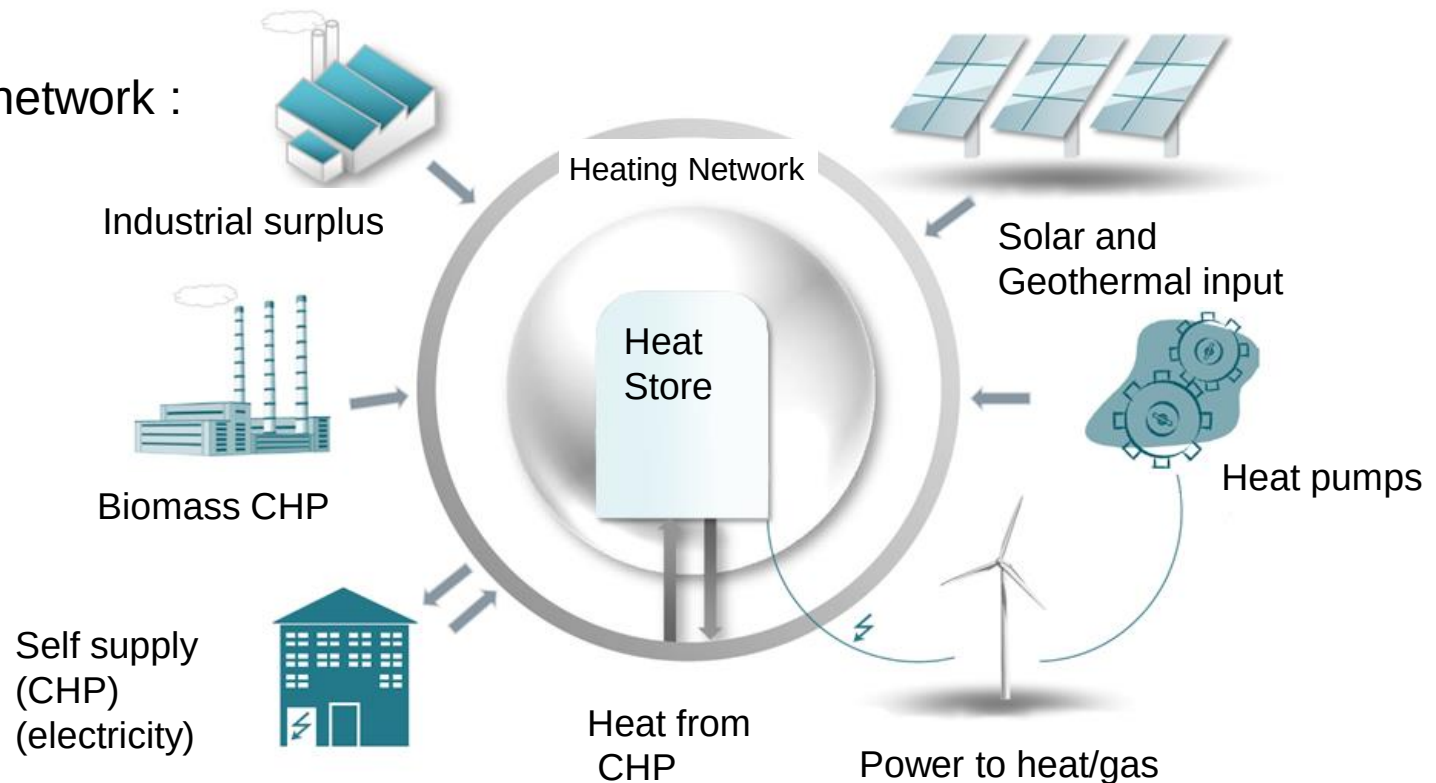
One approach – Energy Concepts

- Development of energy concepts for existing residential area and new areas
- Determine the best suitable energy systems for the area concerning the climate targets of 2050
- Involvement of the local stakeholders
- Introduction of local climate managers as contact persons and energy advisors

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Vision of district heating in Frankfurt One aspect of energy concepts

Open heating network :



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It is time for a transformation

We, as a society, need to rethink the way we use energy and create a better awareness of climate protection



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Placeholder for the new
campaign video

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We want to learn about

- other cities' strategies and methods for developing climate actions plan
- new mobility concepts based on hydrogen
- smart cities and energy management systems



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Together we can change the world.

Thank you for your attention



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