

#### Cooling is a must

- Shifts in comfort culture, behavioural patterns, affordability and consumer expectation
- · Perception that comfort cooling contributes to higher productivity
- Direct impact on rental value of commercial buildings
- Increase in internal loads (computers etc.)

### Cooling is also business

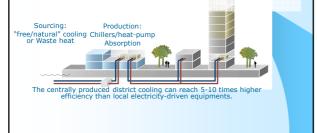
• 10% of electricity used for cooling (global) and 16% in US /Caribbean

• > 80% of commercial and institutional buildings in USA and Japan has air conditioning

• < 40% in EU, but expanding rapidly, 60% is expected by 2018

## Fundamental idea of district cooling "The main idea of district cooling is to use local sources

for cooling that otherwise would be wasted or not used, in order to offer the local market a competitive and highefficient alternative to the traditional cooling solutions."



## Ecoheatcool

- Cooling demand is growing faster than expected and has a growing impact on (peak) electricity demand in summer
- DC is a solution of choice due to highest efficiency and use of renewable sources
- 25% market share of DC by 2020 is feasible and would significantly contribute to reducing fossil primary energy, investment needs in new electricity capacity and CO2

# Performance of different cooling solutions

