



المؤتمر الدولي لتبريد وتدفئة المناطق  
International District Cooling & Heating Conference

24<sup>th</sup> - 25<sup>th</sup> October 2017 | Ritz-Carlton Hotel - Doha, Qatar



# DHC Best Practices and benchmarking

Celia Martinez, District Energy in Cities Initiative, UN Environment



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# Paris Agreement



- Staying “well below” 2°C and pursuing efforts to 1.5 °C,
- Qualitative target: Net zero emissions in 2nd half of century!



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# Kigali Agreement

## Kigali makes history with HFC freeze

India among 197 nations to phase out the family of greenhouse gases within various timelines



## Amendment to the Montreal protocol including a phase down of HFC emissions:

- HFCs to be reduced from 2019
- China, Brazil and all of Africa, will freeze the use of HFCs by 2024.
- Remaining countries freeze HFCs use by 2028.

**Alternative high efficient sustainable cooling technologies required !**



# Fighting Climate Change



## KEY TO ACHIEVE THE CLIMATE AGREEMENT GOALS

- Refrigeration and air conditioning cause 10% of global CO<sub>2</sub> emissions
- Heating, hot water and cooling account for 60% of the global energy consumption in buildings, largely met by fossil fuels. Emissions to be **reduced approx. 75% by 2050**
- Cooling demand will **grow by 625% by 2050** in selected regions of Asia and Latin America (IEA 2°C scenario)



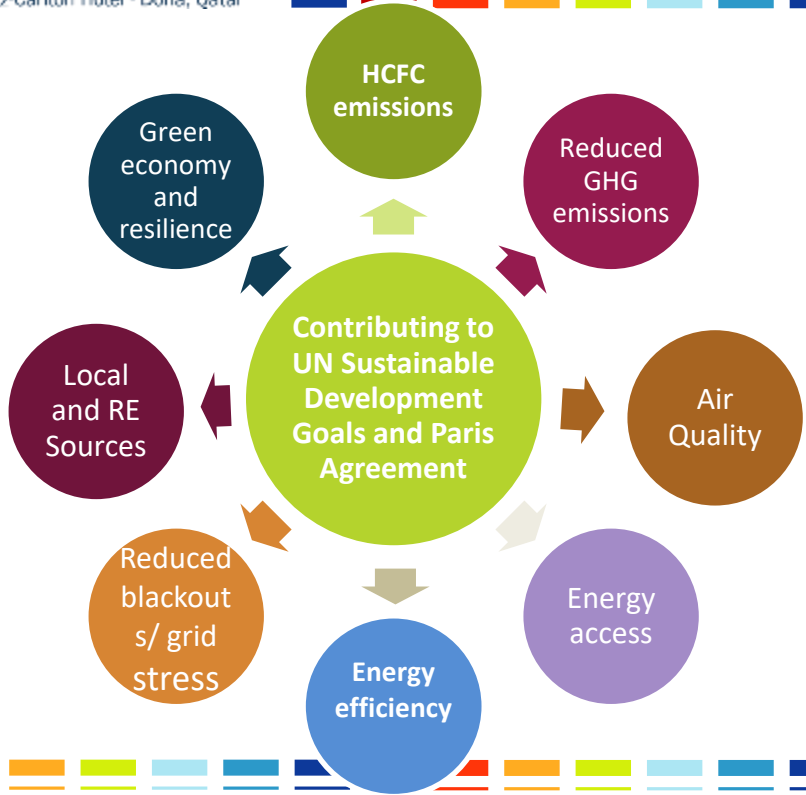



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# Achieving UN Sustainable Development Goals and contributing to Paris Agreement



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- How much DHC contributes to the fight against climate change?
- How good a certain network is compared to others?



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# Speakers



- Robert Miller , Marafeq
- Pär Dalin, Devcco
- Srinivasan Rangan, Carrier Corporation
- Ingo Wagner, Euroheat and Power



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