

# Global District Energy in Cities Initiative

*An update on a global initiative to unlock the potential of energy efficiency and renewable energy*

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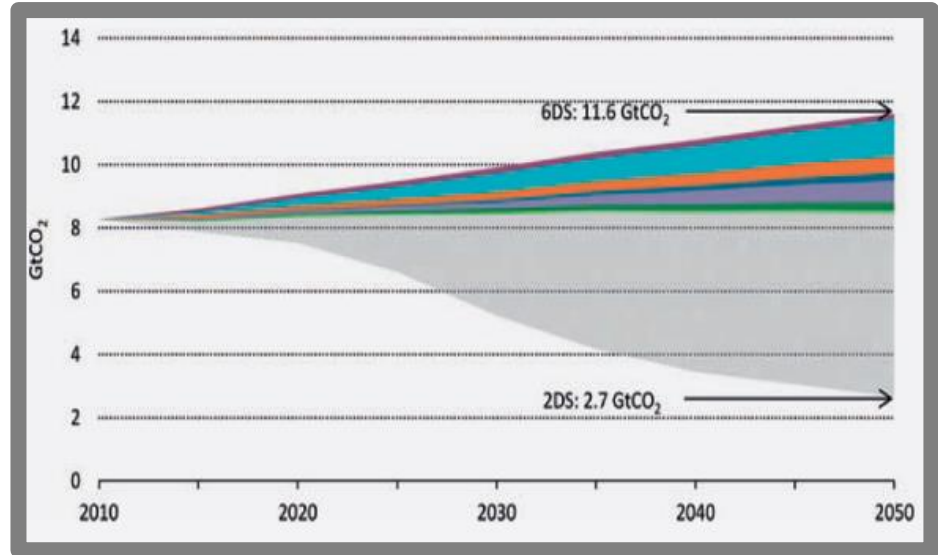
June 2018

# Why District Energy?



- Emissions from the buildings sector need to be **reduced by approximately 75% by 2050**
- Heating, hot water and cooling account for **60% of the global energy consumption** in buildings, largely met by fossil fuels
- Cooling demand will **grow by 625% by 2050** in selected regions of Asia and Latin America (IEA 2°C scenario)

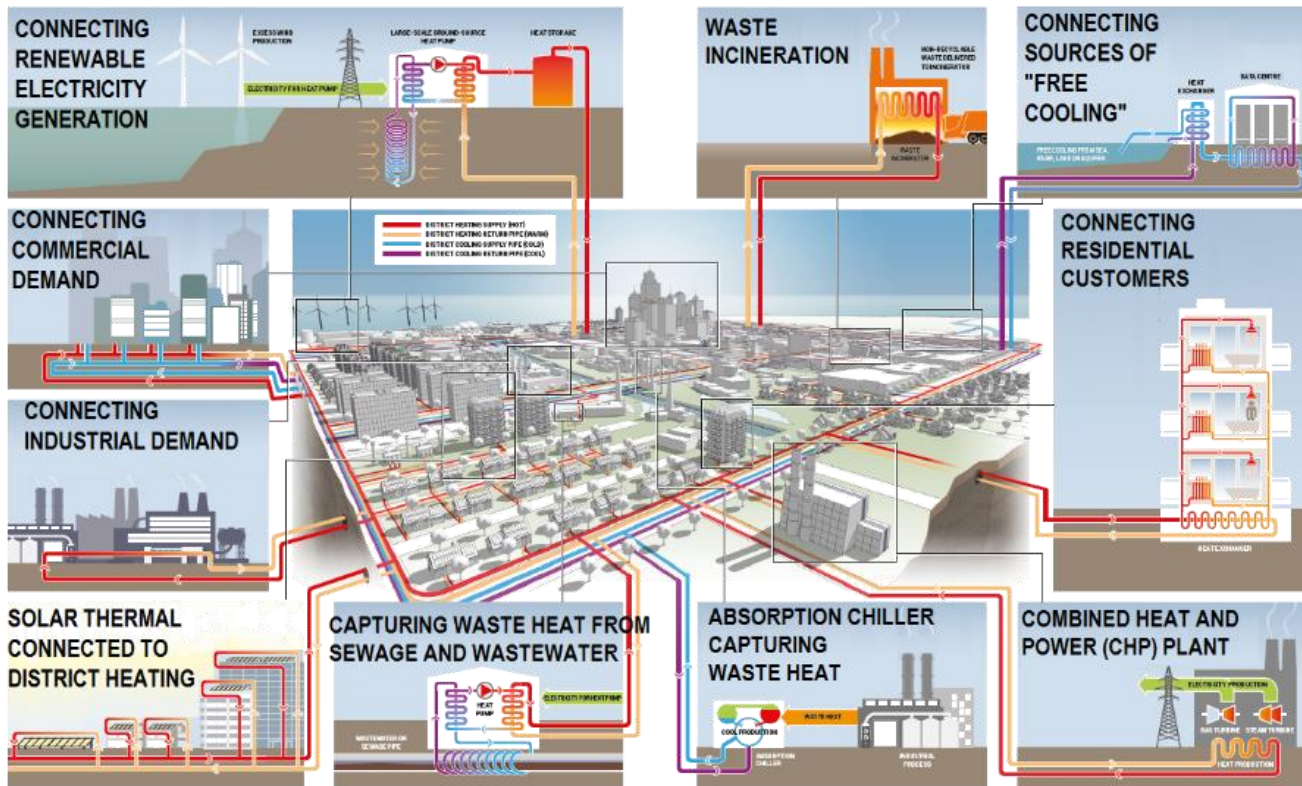
## CO2 emission reductions needed from buildings



# Integrating renewable energy and energy efficiency



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# What does the DES Initiative do?

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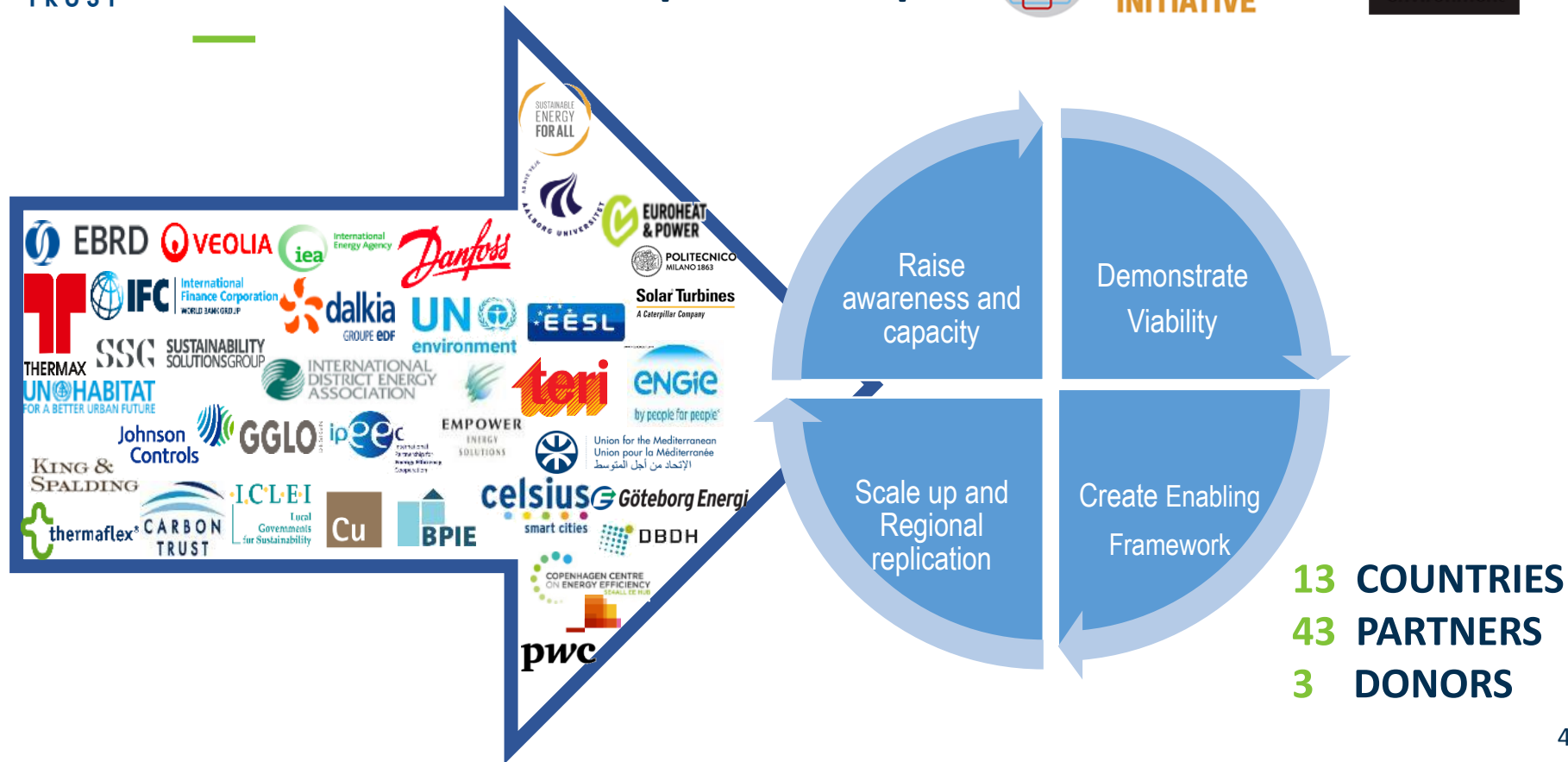


**Increase knowledge of multiple benefits of district energy**

**Identify pilot projects, build capacity and develop methodologies and policies based on pilot activities**

**Scale-up through the establishment of a National Delivery Unit and the development of a regulatory framework**

**Unlock investments and design financial mechanisms to address financial barriers and support the first projects in new markets**





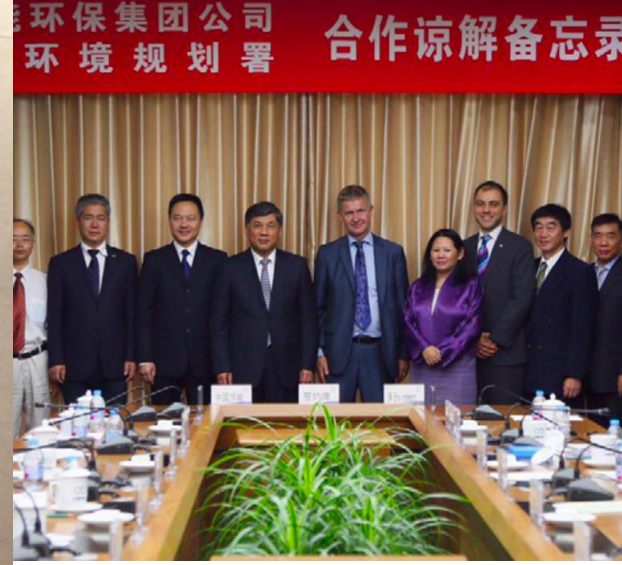


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## Success stories

- Global & neutral platform
- Strong partnership with industry & finance
- Technical reputation
- High-level city & national government engagement
- Bringing investors & projects together
- Tools & methodologies





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## India

- District cooling under National Cooling Action Plan
- GEF-7 country programme on district cooling
- Thane commits to deliver district cooling pilots
- EESL incorporated district cooling within its investment targets







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## Chile

- District heating in National Decontamination Plan
- District heating in the new Presidential Plan
- Government financing 4 new cities
- Santiago joins Initiative
- Coca Cola supporting new DH (Santiago)







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## Serbia

- Belgrade selects the Initiative to co-develop its DH Action Plan to unlock €380 million of investment over the next 25 years
- Renewable demonstration projects under assessment



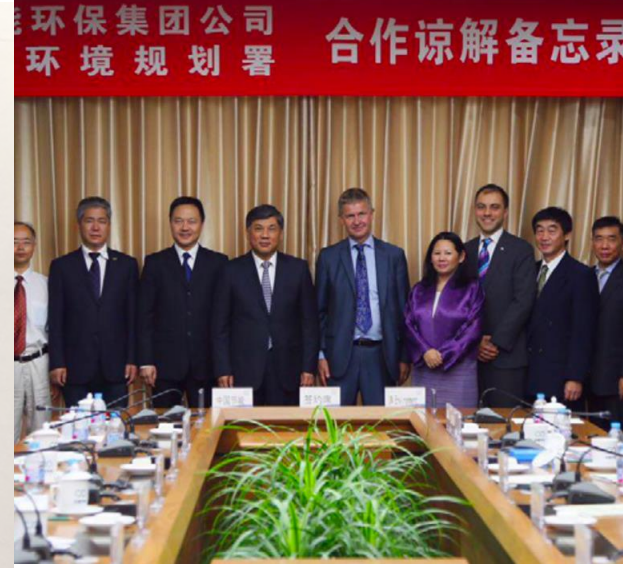


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## China

- Political backing from National Development and Reform Commission (NDRC)
- CECEP to lead city-level work
- National government supporting additional pilots
- Joint centre for DES research established with South China University of Tech.







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## Bosnia & Herzegovina

- Initiative, CTCN and EBRD co-develop neutral assessments for Banja Luka DH
- \$21 million of private investment and EBRD loans





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