

31 OCT - 12 NOV 2021
GLASGOW

COP26

IN PARTNERSHIP WITH ITALY

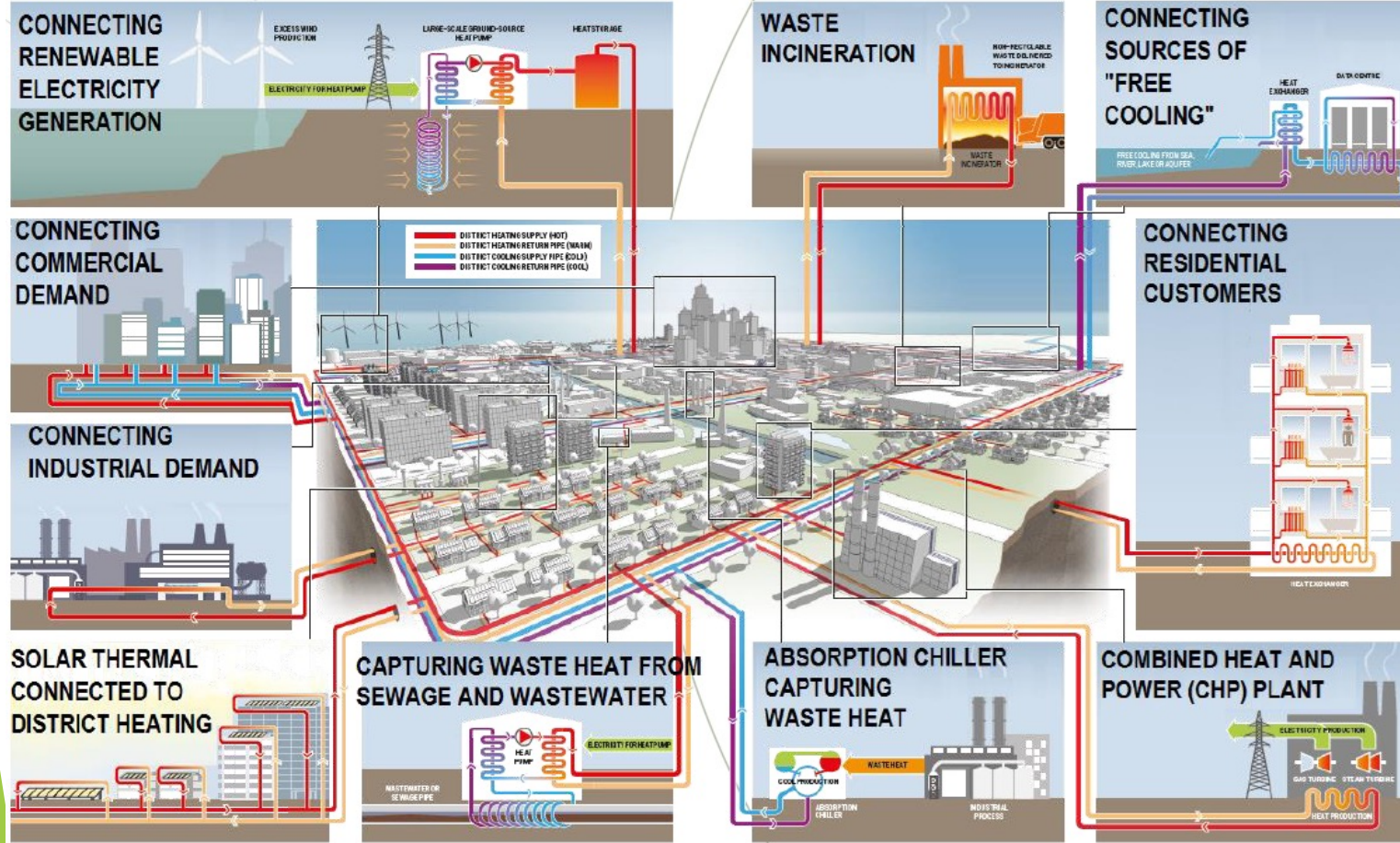
SIDE EVENT

Tools and Methodologies to Implement Sustainable Energy Systems in Cities, Districts and Buildings

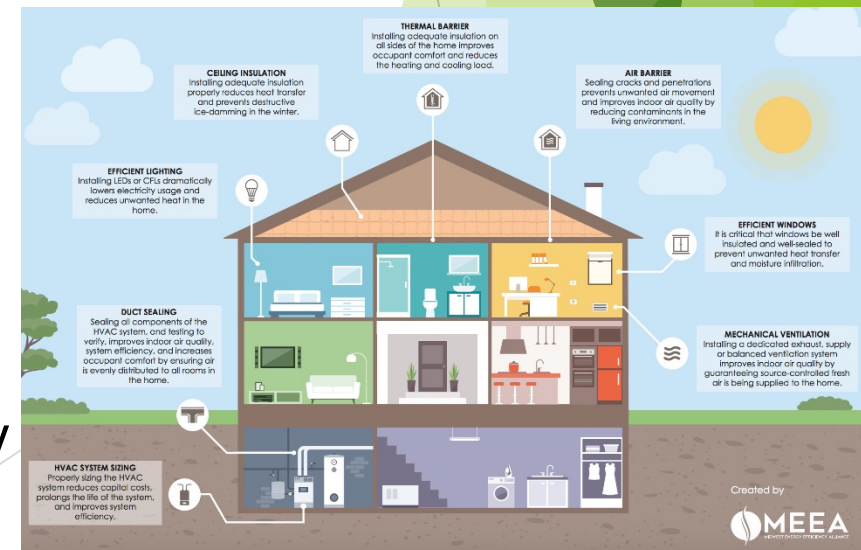
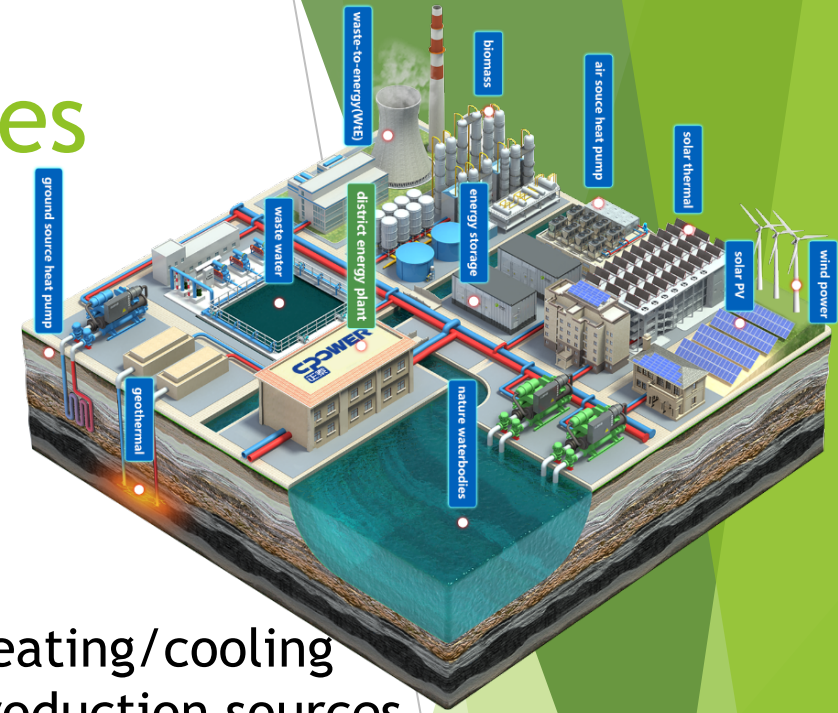
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Capacity Building Hub



Introduction: Energy systems in cities



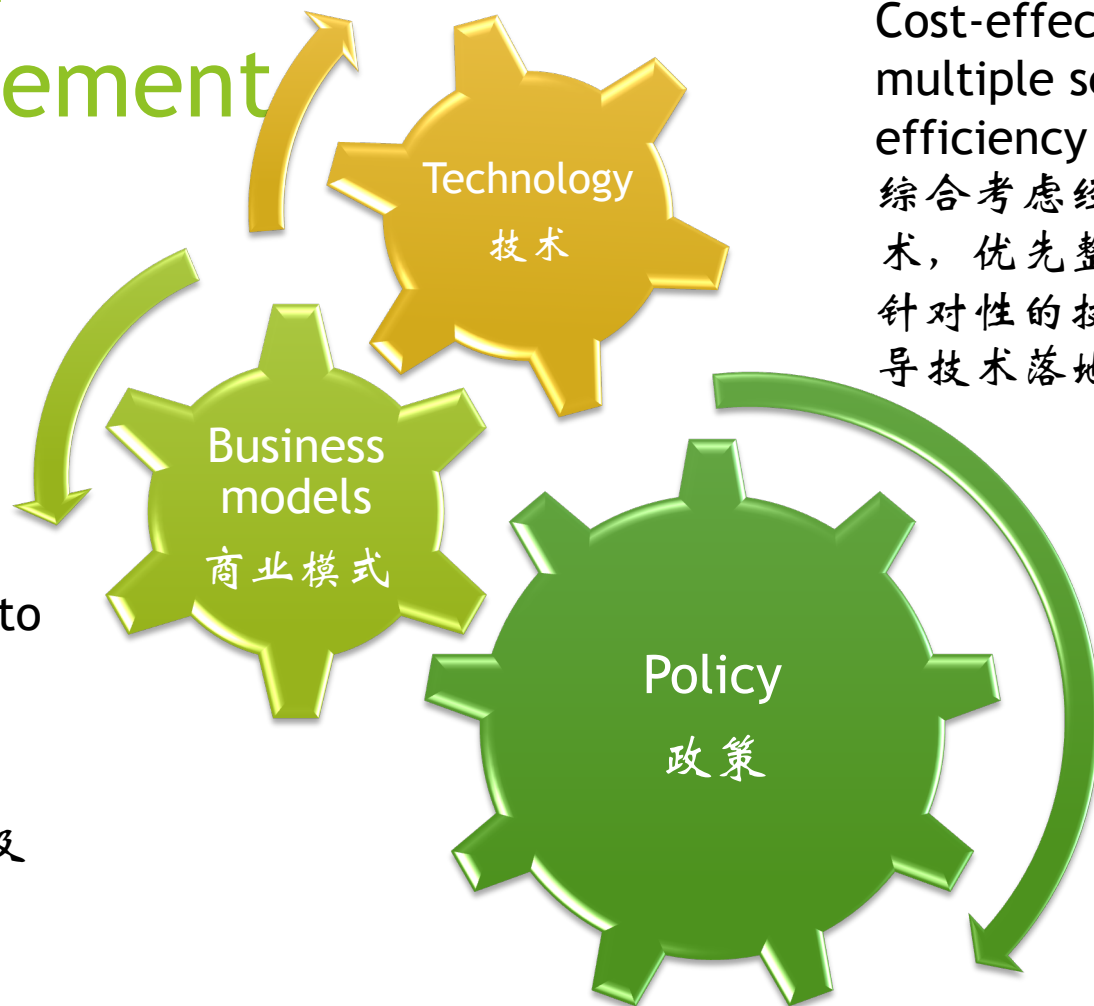
District energy system



Building energy system

Introduction

How to implement



Cost-effective technologies to integrate multiple sectors for higher systemic efficiency

综合考虑经济、环境及社会成本的创新性技术，优先整合本土化的适宜性技术；开发有针对性的技术导则、标准以及计算工具，指导技术落地

Suitable business models to enable the investment environment

通过合理合适的商业模式，激发企业在城市能源转型及低碳发展的作用

Define the roles of municipalities 强化政府在市场引导、宏观规划调控方面的职能；自上而下的政府政策引导

Combining suitable incentive policies, business models and cost-effective technologies can accelerate the implementation of carbon neutral communities and scale up after demonstration.

适当的政府激励政策，通过恰当的商业模式将本土化技术快速、有效的落地，并形成区域间、城市间、国家间的协同与经验共享



Introduction: capacity building needs of developing countries

- ▶ Raise awareness on national and subnational government: understand the drivers, benefits and contributions to sustainable goals
- ▶ Build up local expertise: 'train the trainers' program
- ▶ Standardize the process (e.g. data collection, energy mapping): tools, methodologies of project development, long-term energy planning



Panellists

- ▶ Ms. Ang Ye, German Energy Agency (dena)
- ▶ Mr. Lars Grundahl, Danish Energy Agency (DEA)
- ▶ Mr. Zhuolun Chen, UNEP-DTU Partnership (UDP)

Moderator

- ▶ Mr. Zhuolun Chen, UNEP-DTU Partnership



Tools and methodologies for rapid assessment and pre feasibility analysis of district heating and cooling systems in developing countries

by Mr. Zhuolun Chen, UNEP-DTU Partnership (UDP)



Use energy mapping and planning to accelerate the implementation of sustainable district energy system: Experience and tools (DHAT) from Denmark

by Mr. Lars Grundahl, Danish Energy Agency (DEA)



Advanced building energy efficiency and its application

by Ms. Ang Ye, German Energy Agency (dena)



Wrap up & Closing



Thank you!

