Waste heat recovery
Policy recommendations from EU projects

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Disclaimer:
This communication does not constitute any formal commitment on behalf of the EASME or the European Commission.
Waste Heat & Cold workshop, 9 Sep.

- 14 H2020 projects + 1 LIFE project

- 15 projects answering 13 different calls:
  - Technologies for DHC
  - Technologies for heat recovery in industries
  - Technologies low grade sources of thermal energy
  - Tools for H&C mapping and planning
  - Waste heat recovery from urban facilities
  - Improving the performance of inefficient DHS
  - Energy efficient data centres
  - Removing market barriers to the uptake of efficient H&C solutions
Project clustering

Mapping, planning, modeling

Heat Roadmap Europe

Technologies, Use Cases

Business models, bankability

Executive Agency for SMEs
Policy recommendations I

• Regulation
  ➢ Regulative barriers for local/distributed co-production based on renewables and/or waste heat
  ➢ Regulation for the use of low-grade waste heat from data centers for district heating production
  ➢ Improve legal framework for waste heat utilisation
  ➢ Urban Waste Heat Resources (UWHR) priority together with EE/RES

• Local / National plans
  ➢ Art.14 of Energy Efficiency Directive
  ➢ City-level H&C (SEAP, SECAP)
  ➢ Local vs regional vs national energy plans
  ➢ Use planning and simulation tools
Policy recommendations II

• Incentives
  ➢ Incentivise the utilisation of heat from cooling machines
  ➢ Incentivise city-level H&C planning

• Project development / pilot projects
  ➢ demonstrate technical feasibility
  ➢ prove economic profitability
  ➢ collect monitored performance data on all project phases
  ➢ generate technical and non-technical knowledge
  ➢ easier, faster, standard permitting process
Policy recommendations III

- **Financing**
  - financial support and guarantees
  - credit facility

- **Definition**
  - Waste heat?
  - Excess heat?
  - Other?
Next steps

• Policy recommendations on-board
  - Policy making process
  - Design of new topics
  - Design of new funding programs

• CA-EED, October 2019
  - WG on Comprehensive assessment update and role of waste heat utilisation in decarbonisation of heating and cooling
Executive Agency for Small and Medium-Sized Enterprises

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