

Promoting innovative cogeneration in cities

How to best transfer best (better) practice experience

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**ICLEI - Local Governments for Sustainability
European Secretariat**

● Introducing ICLEI

- **ICLEI-Local Governments for Sustainability (ICLEI) is an international local government association.**
- **Founded in 1990 by cities at the United Nations (UN) in New York.** Supported by United Nations Environment Programme (UNEP) and United Cities and Local Governments (UCLG).
- **Global membership: 1105 cities, towns, counties, and their associations** in 70 countries comprise ICLEI's growing membership - members are committed to local sustainability.
- **ICLEI Europe: 200 members from 34 countries**, incl. most EU15 capitals and several local government associations (geographical area covered: EU27, rest of Europe, Newly Independent States, Middle East)
- **European Secretariat is based in Freiburg**, also representation in **Brussels**.

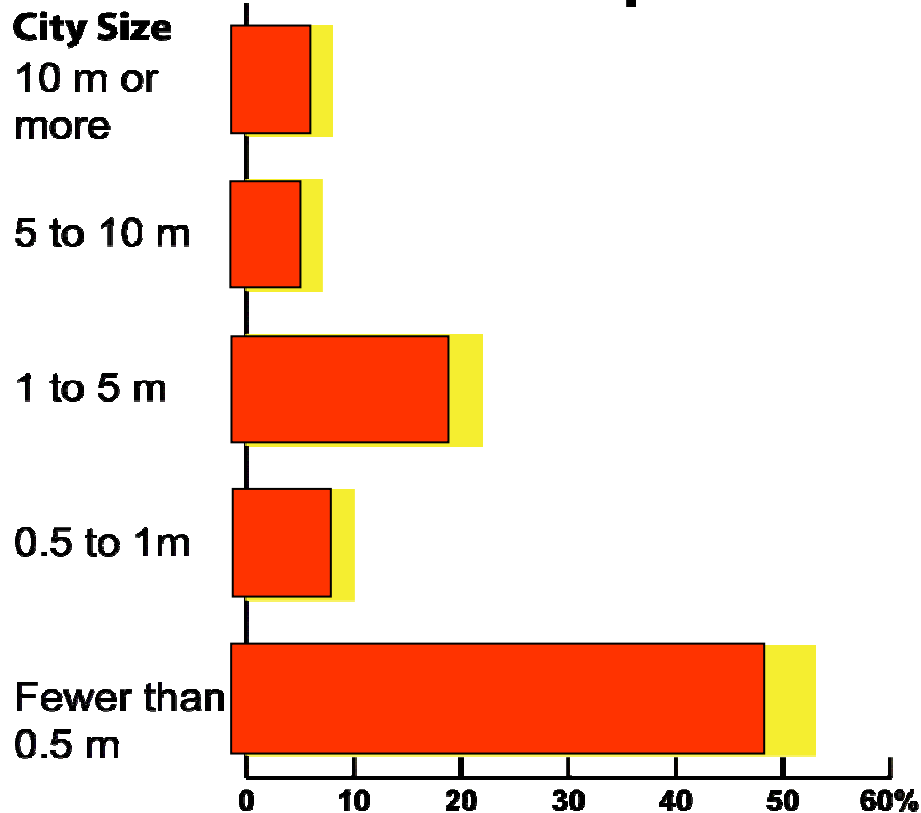


● Growing Urban Population ...

- Urban population has doubled over last 50 years
- In 2008 for 1st time more than half the world's population lives in urban areas (cities in Europe using 80% of energy - release of GHGs).
- World population by 2030: 2/3rds will live in cities
- **Consider what this means for local governments in terms of management, citizens, infrastructure and needs (energy, buildings, transport, waste, water)**

● Global Trends

Percent of Urban Population by City Size



Source: UN World Population Prospects, 2006 and 2007 (year 2000)

● Energy / cogeneration challenges

- **Global action needed:** resource efficiency, climate protection, community resilience (climate change adaptation) – also addressing future fossil fuel shortages, stable energy systems.
- **Cogeneration is a widely accepted technology** – more in Northern climates, for **heating and electricity**. Are we forgetting about **cooling**?
- By definition it is **not a remote solution**, but inherently a **local community technology: local use. Local resources?**
- Most cogeneration plants are **fossil-fuel-fired** – so they are part of the **problem**. But **fuel switch is possible** and **energy efficiency benefits** offered by cogeneration are large – so part of **solution**.
- The **public knows very little about cogeneration**. How to fix?

● Good practice needed

- **Explore synergies between cogeneration and cities:** local governments are owners and/or supporters of cogeneration systems, provide permission, address integration into district energy systems. **How can cities help** improve cogeneration, away from problem towards solution? **Engage with them. Learn from one another.**
- **Further optimise systems** – technology improvements, effective integration into urban planning., fuel switch to clean, sustainable fuel resources (preferably local e.g. waste, bio-energy – no food competition).
- **Share information and knowledge – explore vast roll-out potential:** Inform the public and decision-makers. What is this technology? What are its benefits? Collect arguments and facts / data. Prove that it works. Show that it is easy.

● Cogeneration in current projects

Intelligent Energy Europe co-funded projects:

- **MAKE-IT-BE** – integrated bio-energy planning tools and good practice cases.
www.makeitbe.eu
- **Sustainable NOW** – support development of Local Energy Action Plans (LEAPs) and LEAP wizard to help local decision-makers.
www.sustainable-now.eu
- **LG Action** – local government climate and energy mobilisation and advocacy. www.lg-action.eu
- **CONCERTO project: SESAC** – sustainable energy solutions in advanced cities.
www.concerto-sesac.eu

Intelligent Energy  Europe



● Opportunities to link / exchange

- **The City Climate Catalogue** – local governments can update on targets and energy implementation .
www.climate-catalogue.org
- **Local Renewables Initiative** – sharing city experiences / study tours / peer-to-peer exchanges for local government and other local stakeholder representatives. **www.local-renewables.org**
- **ICLEI's Cities for Climate Protection (CCP) Campaign** – framework for action for local governments, practical guidance and tools (GHG Inventory Tool). **www.iclei.org/europe/ccp**
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