

**Renewables for Resilient
Cities: A Roadmap from 2012
to 2050?**

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Roadmap



Roadmap process

- Background report
- Workshops
 - Cross-cutting (sectoral and regional)
- Workshop output reports
- Final report

Roadmap outline

- Present status analysis
- BAU outlook coming decades
- Formulation of vision
- Identification and characterization of technology & policy options to change BAU
- Dialogue with experts and decision makers to ensure engagement
- Timeline, milestones, MRV system

Workshop topics

- Renewables for Resilient Cities
- Renewables in Cities in Developing Countries
- Renewables and Energy Efficiency in Cities

Workshops



Aim of workshop

- “Identify priority areas for actions that accelerate the deployment of renewables in cities”

Workshop design

- Small group of experts
 - Participant driven
 - Based on dialogue
 - Work in groups
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- What technology pathways are most likely / possible?
 - How do different city conditions impact technology options?
 - What opportunities and barriers exist?
 - Which opportunities and barriers should be addressed first?

Workshop agenda

10.30 – 11.00	Coffee break
11.00 - 12.30	Keynote speakers
12.30 – 13.30	Lunch
13.30 – 15.30	World Cafe
15.30 – 16.00	Coffee break
16.00 – 17.00	Panel discussion
17.00 - 17.30	Wrap up and next steps

Keynote speakers

- Four keynote speakers
 - Academia
 - Local policy makers
 - Local entrepreneurs
 - Industry



World Cafe

- Two questions
- Two rounds

- What technology pathways?
- What city conditions?
- What opportunities and barriers?



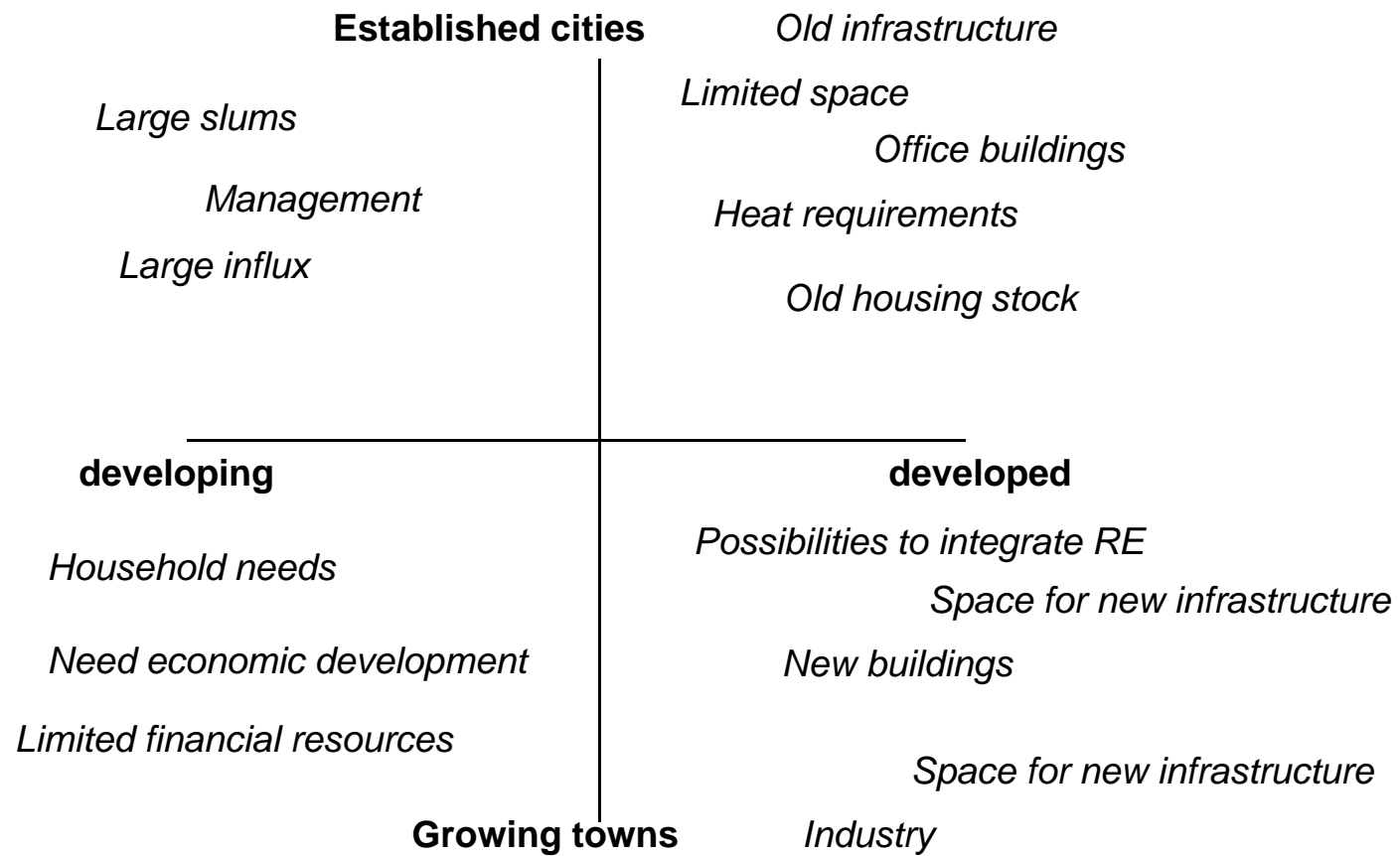
Technology pathways?

- Centralised solutions
 - District heating
 - Decarbonisation electricity network
 - Electrification

- Decentralised solutions
 - Solar PV
 - Solar heating
 - Building design
 - Behavioural change



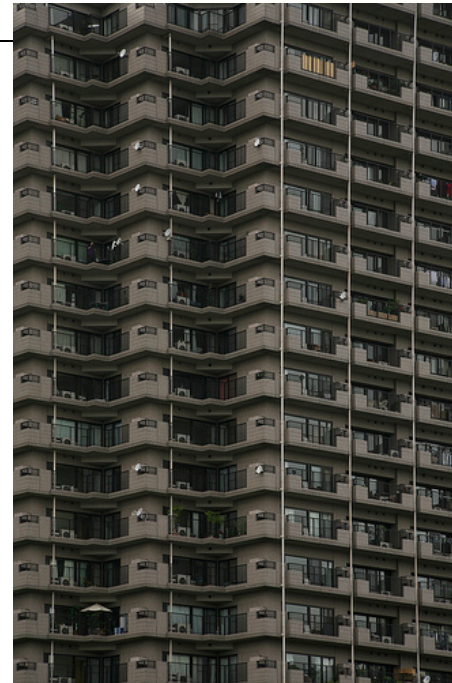
City conditions?



City conditions?



Established cities



developing

developed



Growing towns



Opportunities and barriers?

- **Political**
- **Economic**
- **Social**
- **Technological**
- **Environmental**
- **Legal**



Different applications?

- Different applications
 - Residential
 - Commercial
 - Transport
 - Public spaces
 - Industry
 - Entertainment



Panel discussion



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- Rapporteurs (2x 5 minutes)
 - Keynote speakers
 - Participants
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- Which action should be taken to address the main opportunities and barriers?
 - Which best practices exist that can address these opportunities and barriers?
 - How can lessons and best practices be transferred from one city to the other?

Wrap up and next steps?

- Workshop output
- Further roadmap process
- Questions/comments/suggestions?

Questions?