Achieving Climate Change Action and the Sustainable Development Goals

A Strategic Perspective for Cities

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Presented at the 2018 International Conference on Climate Finance and Industry
Songdo Convensia, Incheon, Korea
1 November 2018
Climate Change and Cities

- Climate Mitigation Measures (Reduce GHGs)
- Greenhouse Gases
- Climate Impacts
- Climate Adaptation Measures (Reduce Negative Impacts)
Cities contain half the world’s population

Cities face many sustainability challenges

Actions by cities are crucial to achieve SDGs and climate mitigation

Cities need to strengthen resilience and climate adaptation
SDGs, Climate Change, and Cities

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation, and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice, and Strong Institutions
17. Partnerships for the Goals

Climate (SDG 13)  Cities (SDG 11)
### SDG Targets for Cities (SDG 11)

1. Sustainable housing
2. Sustainable transport
3. Sustainable urbanization
4. Cultural & natural heritage
5. Protection from disasters (resilience)
6. Environmental impact of cities (especially air quality & waste management)
7. Green & public spaces

#### A. National & regional planning for links between urban, per-urban, & rural areas

#### B. Integrated policies on inclusion, resource efficiency, climate mitigation & adaptation resilience, holistic disaster risk management

#### C. Sustainable & resilient buildings (assistance to LDCs)

### SDG Targets for Climate Change (SDG 13)

1. Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters
2. Integrate climate change measures into national policies, strategies and planning
3. Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

#### A. Implement UNFCCC

#### B. Capacity building in least developed countries

- No 2 degree target
- No specific countermeasures
- Refers to UNFCCC
<table>
<thead>
<tr>
<th>SDG</th>
<th>Climate Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Poverty</td>
<td></td>
</tr>
<tr>
<td>2. Hunger*</td>
<td></td>
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<tr>
<td>3. Health</td>
<td></td>
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<tr>
<td>4. Education</td>
<td></td>
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<tr>
<td>5. Gender equality *</td>
<td></td>
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<tr>
<td>6. Water*</td>
<td>* Some aspects help climate mitigation</td>
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<tr>
<td>7. Energy</td>
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<td>8. Growth &amp; jobs (decoupling)</td>
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<tr>
<td>9. Industrialization</td>
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<tr>
<td>10. Reduced inequality*</td>
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<tr>
<td>11. Cities (sust. trans.)</td>
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<tr>
<td>12. Sustainable consumption &amp; production</td>
<td></td>
</tr>
<tr>
<td>13. Climate</td>
<td></td>
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<tr>
<td>14. Oceans*</td>
<td></td>
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<tr>
<td>15. Life on land*</td>
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</tbody>
</table>

All SDGs Are Related to Climate

SDGs WHICH CAN HELP CLIMATE MITIGATION

SDGS WITH CLIMATE TARGETS OR MEASURES

SDGS WHICH CAN BE HELPED BY CLIMATE MITIGATION
All SDGs Are Related to Resilience (& Climate Adaptation)

SDGS WHICH CAN HELP INCREASE RESILIENCE

2. Zero hunger
4. Quality education
7. Affordable and clean energy
12. Responsible consumption and production
14. Life below water
15. Life on land
16. Peace, justice and strong institutions

SDGS WITH RESILIENCE TARGETS

1. No poverty
6. Clean water and sanitation
9. Industry, innovation and infrastructure
11. Sustainable cities and communities
13. Climate action

SDGS WHICH CAN BE HELPED BY GREATER RESILIENCE

3. Good health and well-being
5. Gender equality
8. Good jobs and economic growth
10. Reduced inequalities
All SDGs are Related to Cities

- All SDGs are related to well-being
- All are important for cities

Source: Elder, Bengtsson & Akenji 2015
Prioritization vs. Integrated Approaches to SDGs

- Cities have limited resources, so prioritization is understandable.
- But SDGs have synergies and tradeoffs, so a prioritized approach might not be effective (or counter productive)
- Synergies vs. tradeoffs depends on implementation

**Approach:**
- Set priorities
- But analyze interlinkages
- Find synergies, tradeoffs, cobenetics
- Adjust implementation
National vs. Local Mandates

Areas often within city mandates

1. Land use planning
2. Building codes
3. Waste management
4. Transport
5. Water
5. Others

➢ Many areas not within cites’ mandates.
   • Some controlled by national governments.
   • Some are delegated by national governments to cities for local implementation.
   • Some are managed jointly by local and national governments

➢ Cities often do not have enough power to raise revenues

➢ Therefore, national government help is needed
  ❑ Policy frameworks
  ❑ Financial resources
  ❑ Legal mandates
  ❑ Capacity building
## Examples of Local Actions Related to “Non-City” SDGs

<table>
<thead>
<tr>
<th>SDGs</th>
<th>Areas often within city mandates</th>
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<tbody>
<tr>
<td>1. Poverty</td>
<td>Food banks, etc.</td>
</tr>
<tr>
<td>2. Hunger</td>
<td>Urban agriculture</td>
</tr>
<tr>
<td>3. Health</td>
<td>Local clinics, health campaigns</td>
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<tr>
<td>4. Education</td>
<td>Public awareness</td>
</tr>
<tr>
<td>5. Gender equality</td>
<td>Various</td>
</tr>
<tr>
<td>6. Water</td>
<td>Water supply, waste water</td>
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<tr>
<td>7. Energy</td>
<td>Electricity grid, distributed renewable energy</td>
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<tr>
<td>8. Growth, jobs</td>
<td>Jobs related to sustainability</td>
</tr>
<tr>
<td>9. Infrastructure</td>
<td>Sustainability related infrastructure, adaptation, resilience</td>
</tr>
<tr>
<td>10. Inequality</td>
<td>Various</td>
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# Examples of Local Actions Related to “Non-City” SDGs

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<tr>
<td>12. SCP</td>
<td>Recycling, composting</td>
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<tr>
<td>13. Climate</td>
<td>Local climate strategies and policies</td>
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<tr>
<td>14. Oceans</td>
<td>Plastic waste reduction</td>
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<tr>
<td>15. Life on land</td>
<td>Sustainable consumption &amp; production, pollution reduction</td>
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</tbody>
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IGES Outputs

- **Aim:** encourage more ambitious actions with transformative potential
- **Includes chapter on cities**

**IGES Activities & Publications on the SDGs**
- List as of March 2018

**IGES Publication Webpage**
[https://pub.iges.or.jp/](https://pub.iges.or.jp/)