Achieving Climate Change Action and the Sustainable Development Goals

A Strategic Perspective for Cities

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Climate Change and Cities

- Climate Mitigation Measures (Reduce GHGs)
- Greenhouse Gases
- Cities
- Climate Change
- Climate Impacts
- Climate Adaptation Measures (Reduce Negative Impacts)
Background

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

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, peri-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
All SDGs Are Related to Climate

SDGs WHICH CAN HELP CLIMATE MITIGATION

1. Poverty
2. Hunger* (Ag.)
3. Health
4. Education
5. Gender equality *
6. Water*
7. Energy
8. Growth & jobs (decoupling)
9. Industrialization (sust.)
10. Reduced inequality*
11. Cities (sust. trans.)
12. Sustainable consumption & production
13. Climate
14. Oceans*
15. Life on land*
16. Peaceful societies (governance)

SDGS WHICH CAN BE HELPED BY CLIMATE MITIGATION

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. GOOD JOBS AND ECONOMIC GROWTH
9. INDUSTRY, INNOVATION AND INFRASTRUCTURE
10. REDUCED INEQUALITY
11. SUSTAINABLE CITIES AND COMMUNITIES
12. RESPONSIBLE CONSUMPTION AND PRODUCTION
13. PEACE, JUSTICE AND STRONG INSTITUTIONS
14. LIFE ON LAND
15. LIFE BELOW WATER
16. PEACEFUL SOCIETIES (GOVERNANCE)

* Some aspects help climate mitigation
All SDGs Are Related to Resilience (& Climate Adaptation)

SDGs WHICH CAN HELP INCREASE RESILIENCE

- Zero Hunger
- Quality Education
- Life Below Water
- Life on Land
- Affordable and Clean Energy
- Responsible Consumption and Production
- Peace, Justice, and Strong Institutions
- Industry, Innovation, and Infrastructure
- Clean Water and Sanitation
- No Poverty
- Sustainable Cities and Communities
- Climate Action
- Good Health and Well-Being
- Gender Equality
- Good Jobs and Economic Growth
- 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, cobenetis
- 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 cities’ 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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</thead>
<tbody>
<tr>
<td>1. Poverty</td>
<td>Food banks, etc.</td>
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<tr>
<td>2. Hunger</td>
<td>Urban agriculture</td>
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<tr>
<td>3. Health</td>
<td>Local clinics, health campaigns</td>
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<td>4. Education</td>
<td>Public awareness</td>
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<td>5. Gender equality</td>
<td>Various</td>
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<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>
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<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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<td>12. SCP</td>
<td>Recycling, composting</td>
</tr>
<tr>
<td>13. Climate</td>
<td>Local climate strategies and policies</td>
</tr>
<tr>
<td>14. Oceans</td>
<td>Plastic waste reduction</td>
</tr>
<tr>
<td>15. Life on land</td>
<td>Sustainable consumption &amp; production, pollution reduction</td>
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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/