Key Performance Indicators for Smart Sustainable Cities

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MEASURING SDGS AT THE LOCAL LEVEL

1. No Poverty
2. No Hunger
3. Good Health
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Renewable Energy
8. Good Jobs and Economic Growth
9. Innovation and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace and Justice
17. Partnerships for the Goals
UNECE/ITU KEY PERFORMANCE INDICATORS FOR SMART AND SUSTAINABLE CITIES

- Developed by a consortium of organizations (2015-2017)
- International free standard
- Uniqueness: address smartness & sustainability of a city
- Support the localization of SDGs
- 50 cities around the world

Economy
- ICT
- Infrastructure
- Transport
- Spatial planning
- Productivity
- Public sector

Society & Culture
- Education
- Health
- Culture
- Safety
- Housing
- Social Inclusion

Environment
- Air quality
- Water & Sanitation
- Waste
- Environmental quality
- Public spaces
- Energy
Definition of the smart sustainable city:
“A smart sustainable city is an innovative city that uses information and communication technologies (ICTs) and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects”.
Developing Smart Sustainable Cities in the UNECE Region

- KPIs

- Studies:
  - Guidelines on strategies for circular cities
  - Guidelines on tools and mechanisms for financing smart sustainable cities

- Smart Sustainable City Profiles
- United Smart City Lab, Vienna, Austria
- Marketplace
- Development of a KPIs dashboard

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(UNECE & ITU, 2015)
REGULATING SHARED ECONOMY TO INCREASE LONG-TERM RENTAL OPTIONS

• In August 2018 there were 3,165 properties listed on Airbnb in Dublin compared with only 1,329 available for long-term rent.

• Shortage of long-term housing options, residents often pushed to stay in Airbnb’s.

**Paris:** up to 120 days per year

**London:** up to 90 days per year

**Amsterdam:** 19,000 Airbnb listings, 2017 legislation put a yearly cap at 60 days, from 2019 it will be 30 days
SCORING OF KPIS

BASED ON TARGET VALUES

TARGETS HAVE BEEN REACHED

- completely (+/- 5%)
- by more than two thirds
- between one and two thirds
- by one third or less
- no target found (i.e. no score available)
SCORING SUSTAINABLE DEVELOPMENT GOALS

Dimension "Economy"
Dimension "Environment"
Dimension "Society & Culture"
SMART CITY + SMART CITY + SMART CITIES = SMART COUNTRY ?!
The innovative financial mechanisms approach consists of three main components:

- integrated approach to urban development
- people-first public-private partnerships (PPPP) and
- good governance.
“People-first Public-Private Partnerships (PPPs) ensures that out of all stakeholders, ‘people’ are on the top. Its focus is on improving the quality of life of the communities, particularly those that are fighting poverty, by creating local and sustainable jobs, those that fight hunger and promote wellbeing, promote gender equality, access to water, energy, transport, and education for all, and that promote social cohesion, justice and disavow all forms of discrimination based on race, ethnicity, creed and culture. People-first PPPs must expand in scale, speed, and spread with more people having access to better services at affordable prices.”

“Making PPPs fit for purpose Accessibility/equity, environmental sustainability, effectiveness and replicability and stakeholders' engagement.

Partnerships now must be evaluated according to a new set of criteria which can be perceived and actually are “quality infrastructure investments”.
THANK YOU

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