Panel Discussion on KPIs and Standardisation

Dr. Bernard GINDROZ

EIP-SCC

European Innovation Partnership
on Smart Cities and Communities

14:20	**Panel Discussion on KPIs and Standardisation (UN SDGs and ISO) – feeding the (SCGP)**
	- **Bernard Gindroz, Initiative Leader**
	- **Iglar Branislav, Smart Cities Information System (SCIS)**
	- **Miimu Airaksinen, CityKeys**
	- **Charlotte Spoerndli, European Energy Award**

THE GLOBAL CONTEXT

Cities today occupy approximately **only 2%** of the total land, however:

70% Economy (GDP)

Over **60%** Global Energy Consumption

70% Greenhouse Gas Emissions

70% Global Waste

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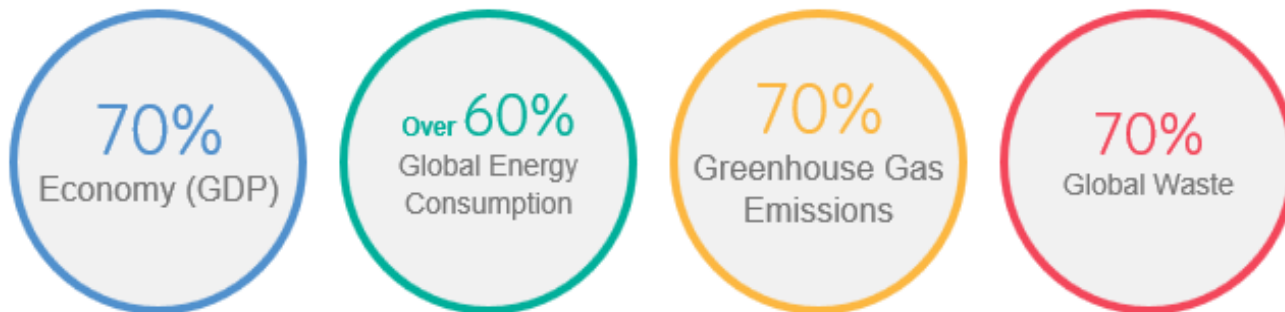
Major Initiatives and references

EIP SCC

Action Cluster on Integrated Planning, Policy and Regulation.
Initiative on Tools for Decision Making, Management, KPIs and benchmarking

- **identification of needs** from decision makers when entering into a smart and sustainable program for the city or community.
- **set of best practices** and success stories, integrated planning and follow-up of action plans, management related methodologies and guidance, methods for data collection, analysis and reporting for a follow-up of actions' efficiency then improvement management system approach.
- analyze existing **KPIs** and monitor the need for additional KPIs (including how to measure and collect data in such a way that comparison would be possible for replication and reporting purposes).
- In addition, appropriate **standardization** related work could be proposed/launched to better and more systematically meet the objectives.

Consideration and cooperation with all standardization related developments, both at EU level (CEN, CENELEC, ETSI, EU projects, …) and globally (ISO, IEC, ITU), and thus contribute to coordinating initiatives and converging to common set of standards.

Major Initiatives and references

UN Habitat

New Urban Agenda endorsed at the 68th Plenary Meeting of the 71st Session of the UN General Assembly held on December 2016 aims to be a concise, action-oriented, forward-looking, and universal framework of actions for housing and sustainable urban development.

Standardization commitment

A coalition of standard-setting bodies has agreed to develop a framework for cooperation to advance the standardization for smart cities.

The bodies are expected to provide a coordinated contribution to the UN Conference on Housing and Sustainable Urban

UN SDGs

On 1 January 2016, the world officially began implementation of the 2030 Agenda for Sustainable Development—the transformative plan of action based on 17 Sustainable Development Goals (SDGs)—to address urgent global challenges over the next 15 years.

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Global Standardization work

ISO holistic initiative for sustainable development of cities and communities

At ISO level, **ISO TC 268** – Sustainable cities and communities - is the only technical committee approaching cities and communities as a whole, in a holistic manner and developing a complete set of tools from management system to KPIs, terms and definition to strategies, infrastructures development to data exchange.

Standardization in the field of Sustainable Cities and Communities developed by ISO TC 268 includes the development of requirements, frameworks, guidance and supporting techniques and tools related to the achievement of sustainable development considering smartness and resilience, to help all Cities and Communities and their interested parties in both rural and urban areas become more sustainable.

ISO TC 268 contributes to the UN Sustainable Development Goals through its standardization work.

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EU Standardization work

European Sector Forum
"Smart & Sustainable Cities and Communities"

Objectives

- provide a **platform for exchange** of information between the all concerned stakeholders, including citizens;

- provide **support and guidance** to the relevant technical bodies, essentially on horizontal or cross-sectorial matters;

- **coordinate and advise** on standardization activities relevant to the sector;

- consider where **further standardization work** is needed within the sector;

- when appropriate, prepare and submit **advices to the Boards** of the involved ESOs for endorsement and dissemination to the appropriate technical bodies;

EU Standardization work

European Sector Forum
"Smart & Sustainable Cities and Communities"


Organization

- *Sector Forum created in 2017*

- *As a permanent horizontal strategic and advisory body on smart & sustainable cities and communities*

- *Launching working groups (WGs) for work on specific issues*

- *2 plenary sessions per year*

- *1 annual seminar*

- ***Permanent representation in the European Innovative Partnership initiative from the European Commission** (Smart Cities and Communities – EIP SCC -)*

UN ECE – ITU Smart Sustainable Cities Indicators U4SSC
Since 2013 both UNECE and ITU started to work on indicators to evaluate smart sustainable cities. ITU worked under the framework of the Focus Group on Smart Sustainable Cities and UNECE under the framework of the Committee on Housing and Land Management and its project United Smart Cities.

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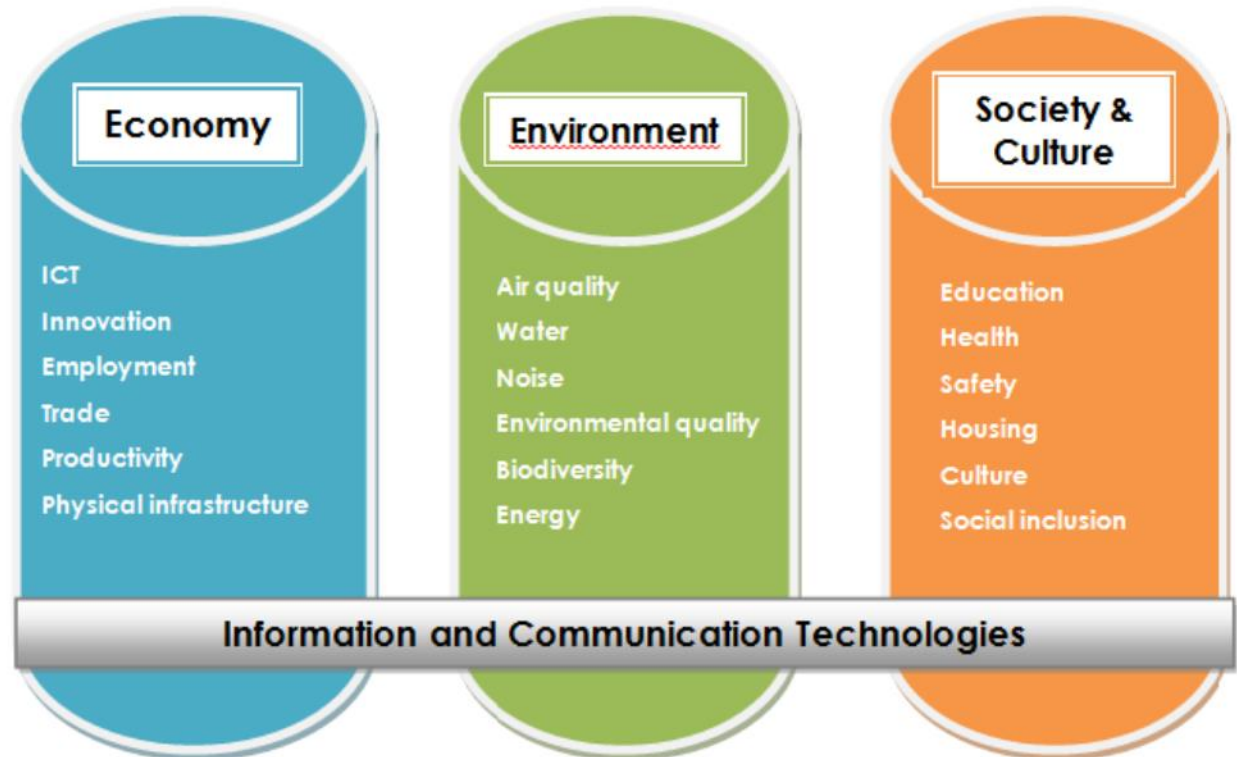
EIP SCC AC IPPR

Our initiative has organized three main workshops with major KPIs related actors in a trial to align visions and developments, and then propose a consensual set of common KPIs (categories, sub-categories and Indicators).

The major active actors, who contributed to this work, are SCIS, eea, Citykeys, ISO TC 268 and CEN/CENELEC/ETSI SSCC.

As **main agreed outcomes** from this collaboration, it has been identified four main purposes where KPIs would be needed:

- **KPIs for Decision Making & investing**

- **KPIs for cities (Program Management & Evaluation (Improvement))**

- **KPIs for Project (Evaluation-benchmarking)**

- **KPIs for reporting and communication**

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For each of these 4 purposes, it was agreed to develop KPIs within 5 main categories:

1. **People**
2. **Planet**
3. **Prosperity**
4. **Governance**
5. **Replication-Dissemination**

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Objective of the workshop

The overall AC workshop aims at:

➢ **Sharing** initiatives' **development** in an attempt to align KPIs

➢ **Feeding** EIP SCC Smart City Guidance Package (SCGP, reference guidance document for cities) with the latest development and agreed categories, sub-categories of KPIs and more detailed if possible.

From the exchanges with cities and national association of cities, it has been made clear that **UN SDGs** are a major **framework** for the cities, in terms of targets and related indicators.

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Thus, it is proposed for each list of KPIs (SCIS, eea, Citykeys),
1.   to revisit the **alignment** and consistency of our respective work;
2.   to list which **KPIs** would contribute to the **UN SDGs**;
3.   to check **consistency** between our KPIs and the UNECE-ITU SSC Indicators (U4SSC)
4.   to suggest **further actions**, such as testing and pilot

As major outcomes from this workshop, it is expected to agree on what reference framework(s) consistent with/contributing to **feeding** the UN SDGs to include in the **SCGP** including common categories, sub categories and sets of KPIs relevant in Europe (from SCIS, eea, Citykeys, U4SSC, …).

In addition, this will be extremely useful for **identifying EU standardization needs** (i.e. adoption of ISO, IEC, ITU standard or development of new ones at EU level).

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Thank you

Dr. Bernard GINDROZ