Standardization in support of Cities’ digital transformation

Dr. Bernard GINDROZ
Chairman ISO TC 268 “Sustainable Cities and Communities”
Chairman CEN/CENELEC/ETSI Sector Forum Smart Sustainable Cities and Communities
Smart and Sustainable Cities developments

Complex Challenges but Great Opportunities moved to reality through:

→ Long term vision and commitment
→ Citizens’ engagement
→ Digitalization

→ Holistic approach, priorities
→ Integrated planning

→ STANDARDIZATION
  ➢ Supporting Cities transformation
Smart and Sustainable Cities developments

- Vision (incl. results related)
- Commitment/Decision
- Strategy with objectives
- Sectorial/area Roadmaps with targets

**Implementation and culture of results**
- Measure progress and monitor
- Evaluate against planned targets
- Improve to meet the objectives
- Communication & reporting

**Strong political engagement and citizens’ engagement**

**Definition of targets with Performance indicators**

**Digitalization as key enabler**

**Standardization as key driver & booster**

- Benchmarking-Benchlearning
Smart and Sustainable Cities developments

Digitalization in support of
- Data collections ➔ Performance indicators
- Monitoring Key Performance Indicators ➔ follow progress, improve actions, maximize impacts/benefits
- Effective and efficient information & communication to citizens and all stakeholders
- Decision making, investment and benchmarking
- ...

Digitalization brings new capacities towards cities’ sustainable development
Smart and Sustainable Cities developments

Cities’ transformation

Decision Making:

- Needs trust in existing best practices
- Needs simulations towards setting:
  - strategies based on impacts’ projection of actions adapted to local context
  - targets and objectives
  - Implementation & improvement measures to meet the objectives

Digital Twin brings new capacities towards setting appropriate pathways to cities’ sustainable development through citizens’ engagement & actors of their city’s transformation
Smart and Sustainable Cities developments

Standards drive the changes
Standards accelerate digital transformation in cities and communities

Standards make benchmarking and benchlearning effective
Standards bring trust and confidence
Keys to successful support to cities and communities’ transformation

✓ Need to engage with cities through associations and networks (OASC, eea, Eurocities, ICLEI, SCMP,...)

✓ Need for exchange platforms/fora to collect expressions of need from cities (i.e. CEN/CENELEC/ETSI SF SSCC, Living-in.EU) to feed into Standardization work (i.e. CEN TC 465, ISO TC 268)

✓ Strengthened collaboration between SDOs (Standardization Development Organizations) for alignment of principles while considering local context as a priority

✓ At EU level, EU Legislation common to all EU Member States – EU Standards common to all EU Member States (and beyond: 34 countries)
Conclusion

**Digitalization is a key enabler**
towards effective cities’ transformation

**Digital Twins are boosters**
towards citizens’ active participation to decision making

**Standards are key drivers**
towards accelerating Cities and Communities’ transformation
Dr. Bernard GINDROZ
ISO TC 268 Chairman
CEN/CENELEC/ETSI SF SSCC Chairman

gindrozb@bmgi-consulting.com