



OPEN & AGILE SMART CITIES



## Standardization in support of Cities' digital transformation

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International  
Organization for  
Standardization



EUROPEAN STANDARDIZATION ORGANIZATIONS

# 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

**Strong political engagement and citizens' engagement**

- Strategy with objectives
- Sectorial/area Roadmaps with targets

**Definition of targets with Performance indicators**

## Implementation and culture of results

- Measure progress and monitor
- Evaluate against planned targets
- Improve to meet the objectives
- Communication & reporting

**Digitalization as key enabler**



## Benchmarking-Benchlearning

**Standardization as key driver & booster**



# 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

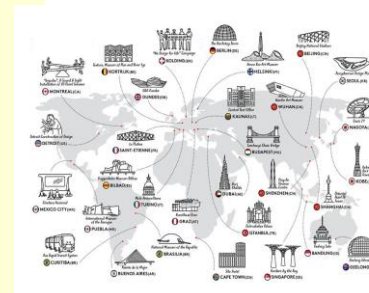


**Standards make benchmarking and benchlearning effective**  
**Standards bring trust and confidence**



## 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***





# CxC FESTIVAL '22

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