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WORLD STANDARDS DAY 2017

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CEN-CENELEC-ETSI SSCC Sector Forum

Chair Advisory Group Member
ISO/TC 268: Sustainable Cities and Communities

October 13th 2017 – Belval, Luxembourg

BUSINESS AS USUAL IS OVER

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70%

+3 billion

80%

Hubs for Human Settlement

11 SUSTAINABLE CITIES AND COMMUNITIES



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Smart City?



- Access and Safety
- Operation Efficiency
- Process Optimization
- Performance Enhancement
- Effective Use of Resources
- Driving Sustainability & Resilience
- Mitigation of Climate Change
- Conservation of Ecosystems

Smart City?



- Engage Society
- Livability and Quality of Life
- Collaborative Leadership
- Responsible Decision Making
- Informationization / Digitalization
- Use of BIG data / Comparability
- Cyber Security

Categories?



- Smart Living
- Smart Environment
- Smart Economy
- Smart Governance
- Smart Mobility
- Smart and Connected Infrastructure

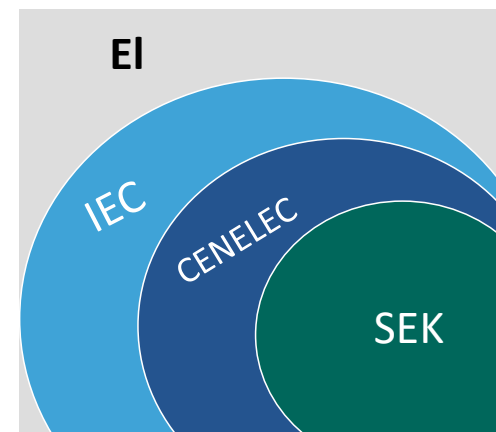
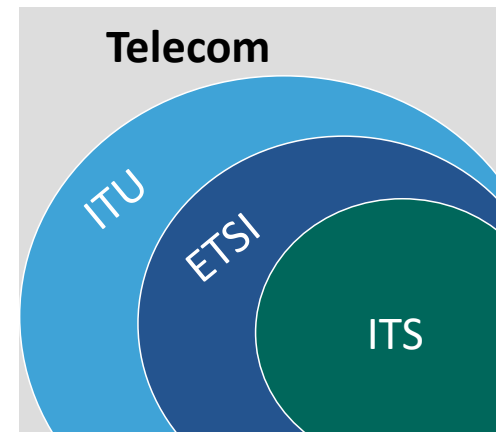
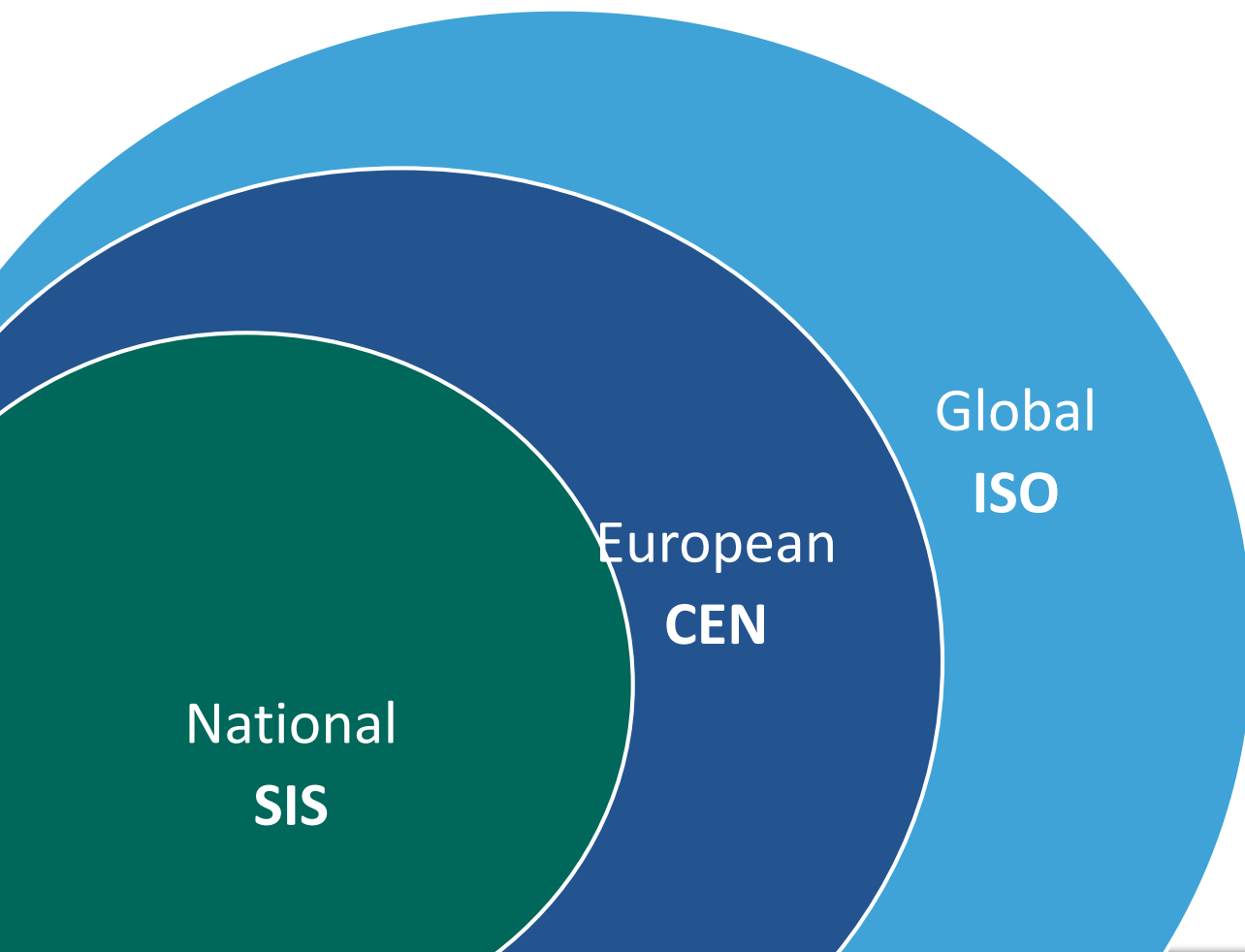
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NATIONAL-LEVEL



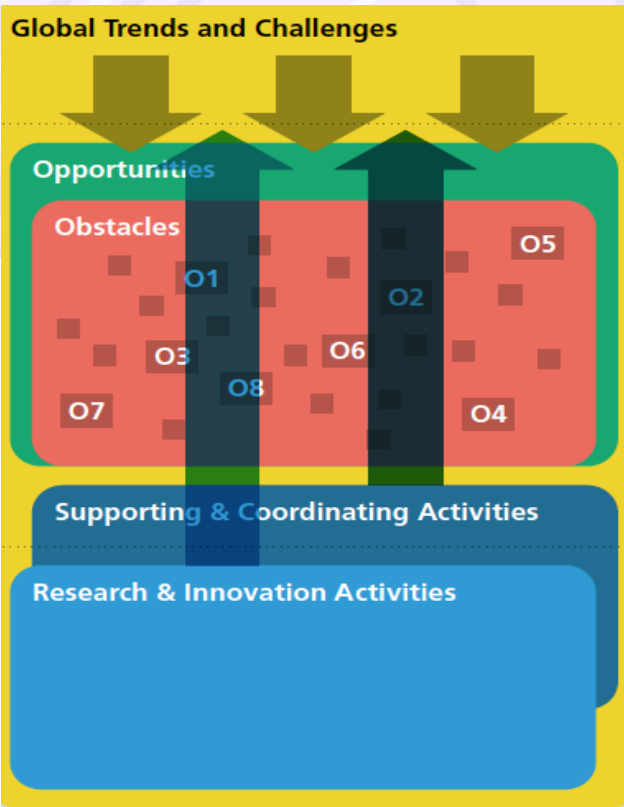
- Swedish Standards Institute, SIS
- [TK/588](#) – “Sustainable Smart Cities and Communities”
- Channel to ISO and CEN/CENELEC
- Triple-helix approach
- SIPs, Cities and the Government
- The ‘Nordic Hub’

A Swedish Approach



- Global Trends and Challenges
- Opportunities
- Obstacles
- Research & Development
- Innovation
- Sustainable Smart Communities

The **concept** of smart sustainable cities



EUROPEAN-LEVEL WORK



- European Commission
- European Committee for Standardization, CEN
- CEN-CENELEC-ETSI
- [“Smart & Sustainable Cities and Communities”](#) Sector Forum
- European Cities Benchmark

CEN/CENELEC/ETSI Sector Forum

- Sector Forum **created in 2017**
- As a permanent horizontal **strategic and advisory body** on smart & sustainable cities and communities
- 2 plenary sessions per year
- **1 annual seminar**
 - **Collect expression of needs from cities and communities**
 - **Identify topics where standardisation development is relevant**
 - **Create dedicated Working Groups for mapping needs and gaps**
 - **Reference standardisation Board for Smart & Sustainable Cities and Communities in Europe**
- Permanent representation in the European Innovative Partnership initiative from the European Commission (Smart Cities and Communities – EIP SCC -)
- permanent representation with the **European Commission (legislation)**

Objectives

- provide a **platform for exchange** of information between cities and all concerned stakeholders, including citizens;
- provide **support and guidance** to the relevant standardisation technical bodies, essentially on horizontal or cross-sectorial matters;
- **coordinate and advise** on standardisation activities relevant to the sector;
- Collect expression of needs from cities and consider where **further standardisation work** is needed.
- The New European **CEN/CENELEC/ETSI Sector Forum SSCC offers a unique platform for exchanges**, debates and expression of needs. It liaises with the EU Commission (Policy maker). This Sector Forum is really **welcoming cities** and their major stakeholders.



GLOBAL-LEVEL WORK

Sustainable Cities and Communities – [ISO TC268](#)



8

published ISO
standards*
related to the TC and
its SCs

of which 4 under the
direct responsibility
of ISO/TC 268

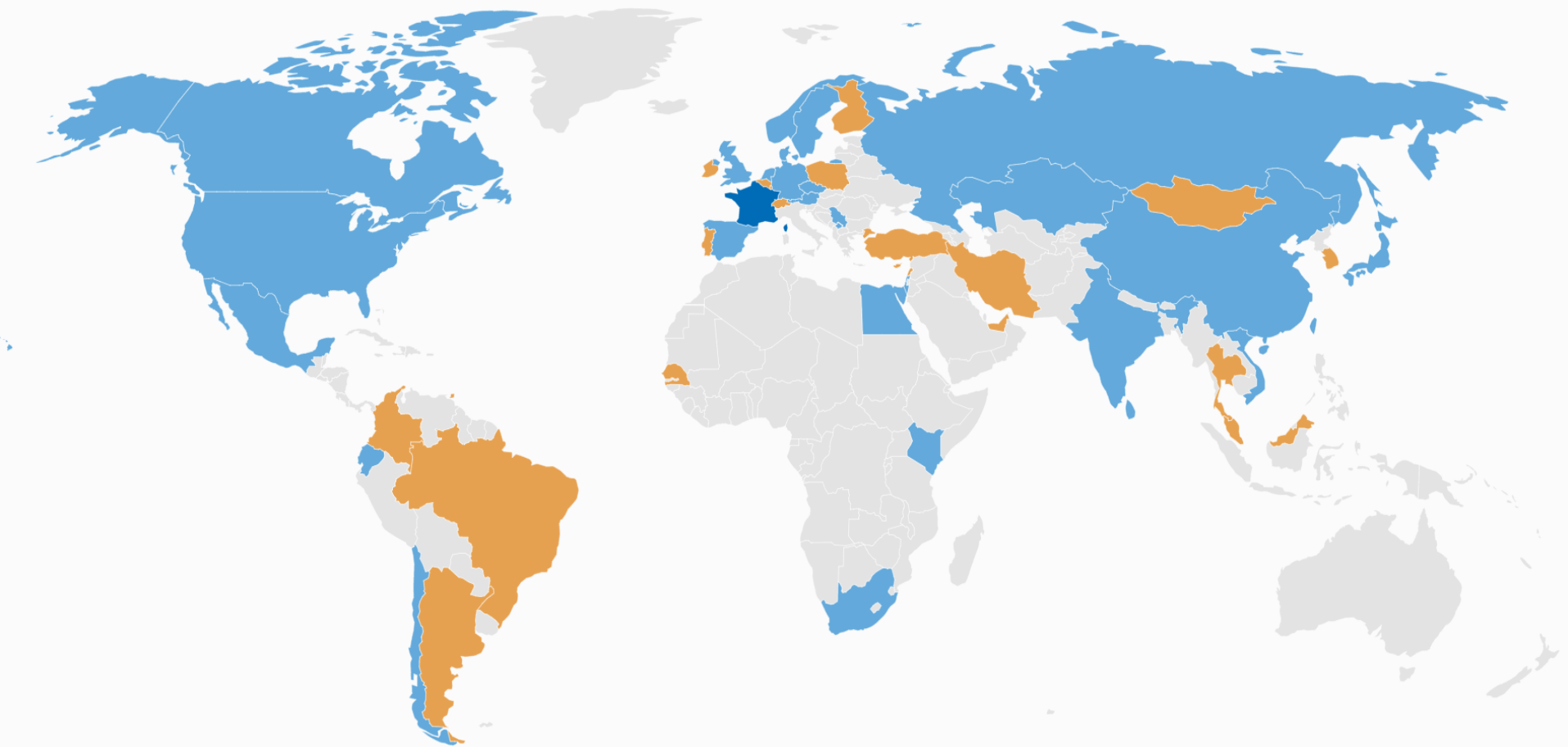
12

ISO standards
under
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ISO TC 268

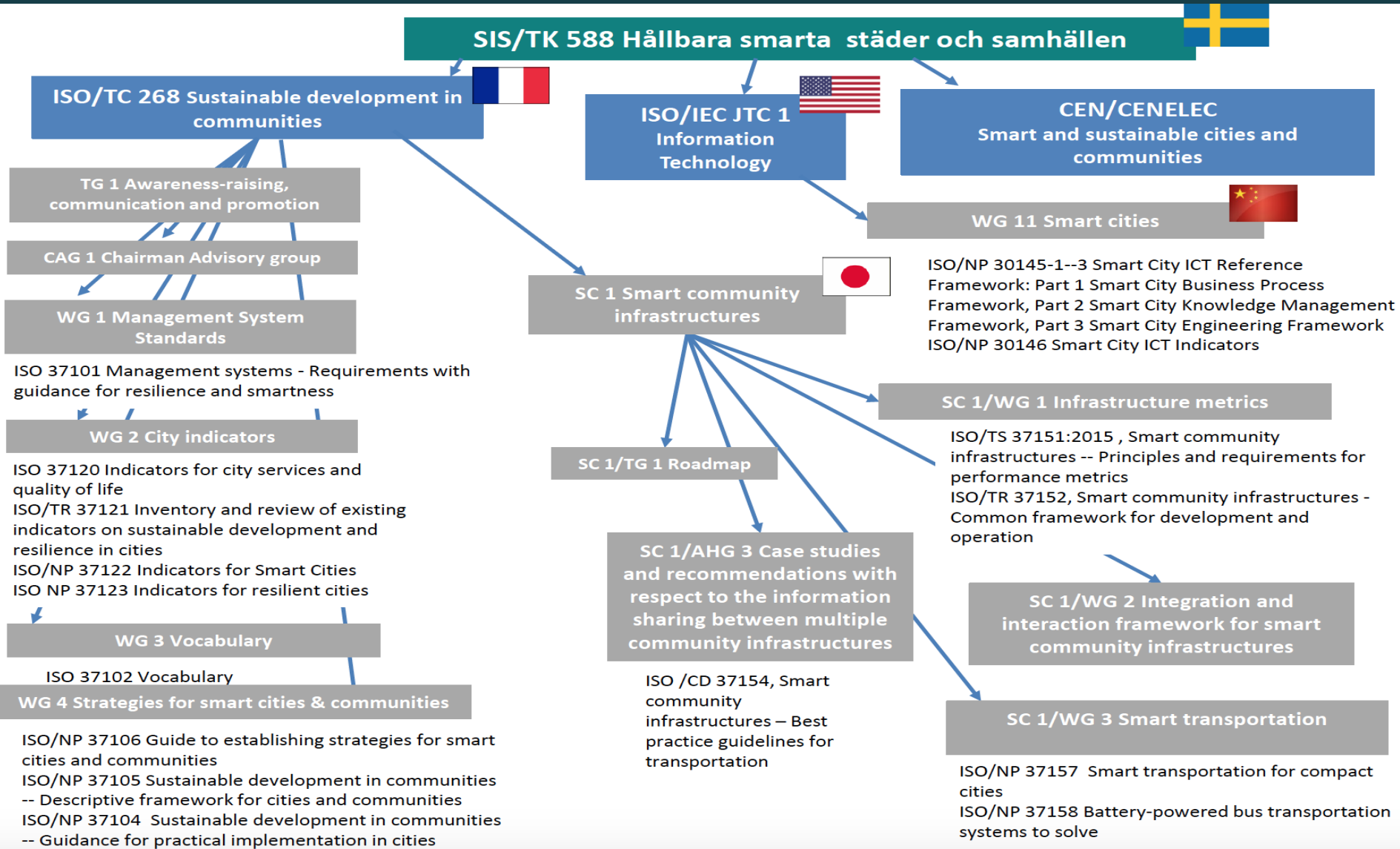
Standardisation in the field of Sustainable Cities and Communities including development of requirements, frameworks, guidance, supporting techniques and tools related to the achievement of **sustainable development** considering **smartness** and **resilience**, to help all Cities and Communities and their interested parties in both rural and urban areas become more sustainable. **TC 268 contributes to UN Sustainable Development Goals through its standardisation work.**



- Sustainability, Resiliency and Smartness indicators
- Management & Governance System
- Infrastructure Standards
- Smart City Strategies

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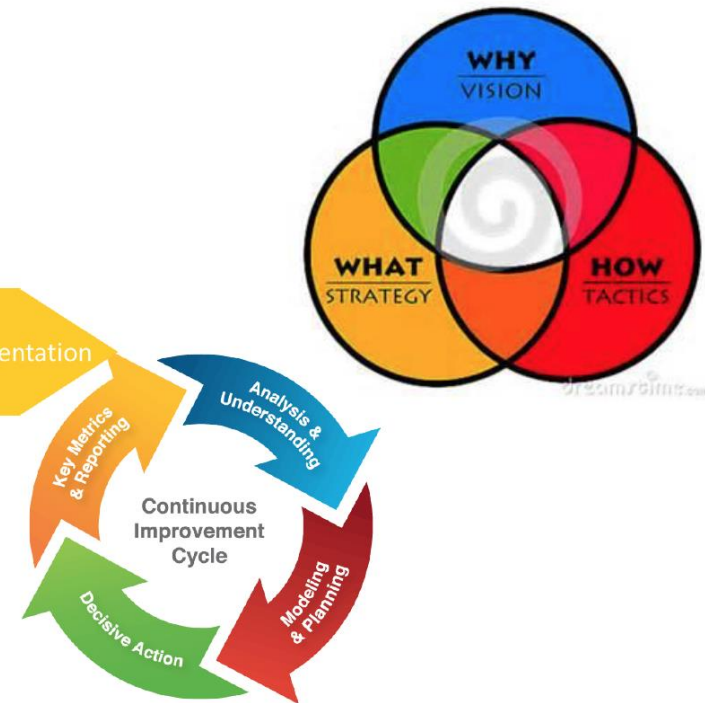


Standards in support of cities

- Vision
- Commitment/Decision
- Strategy with objectives
- Roadmap with targets



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



- From **benchmarking** and exchanges between cities (i.e. Club of Cities),
- Identify and make better use of good practices and current information
- **Scale-up** from a pilot district to others and/or to the whole city
- **Replicate** success stories from others with similar context and challenges

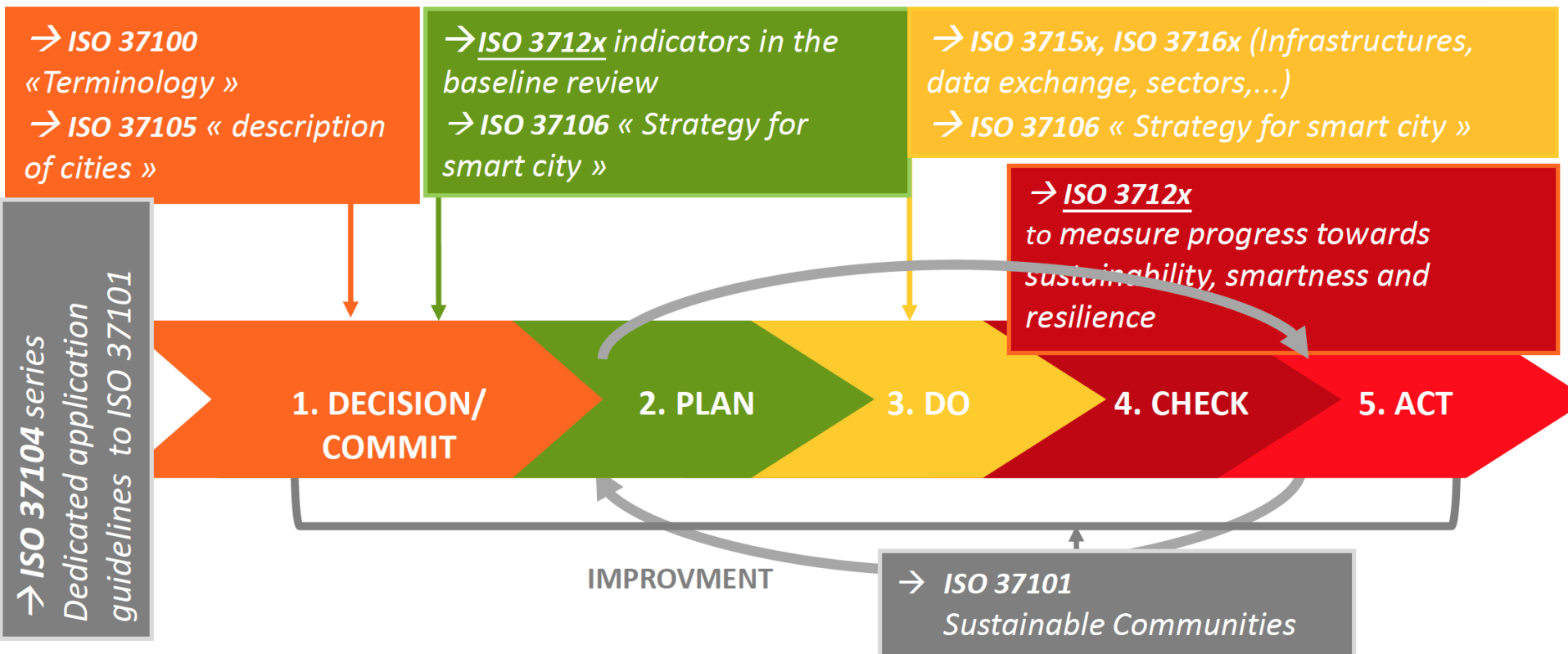


ONGOING WORK TC-268



- Management system - 37101
- Indicators for city services & quality of life – 37120
- Indicators for Smart Cities ISO 37122 / 37123
- Smart community Infr. metrics – 37150 & 37151
- Smart City Strategies - 37106

ISO TC 268



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First 50 Adopters of ISO 37120



WCCD

WORLD COUNCIL
ON CITY DATA

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forum



Save the date!

15 November 2017, Barcelona, Spain

What

A full-day forum with interactive round tables to support the smart-city journey

**Future cities – Solutions for common challenges:
How International Standards support
the development of smart and sustainable cities**

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SUSTAINABLE SMART CITIES