

A vibrant, high-angle photograph of a busy city street at night. The scene is filled with a dense crowd of pedestrians, many wearing winter coats. Several yellow taxis are visible, along with a large black bus and other vehicles. The background is a blur of city lights and buildings, creating a sense of a bustling, urban environment.

Tools to manage disaster-related risk

ISO/TC 268 Sustainable cities and communities

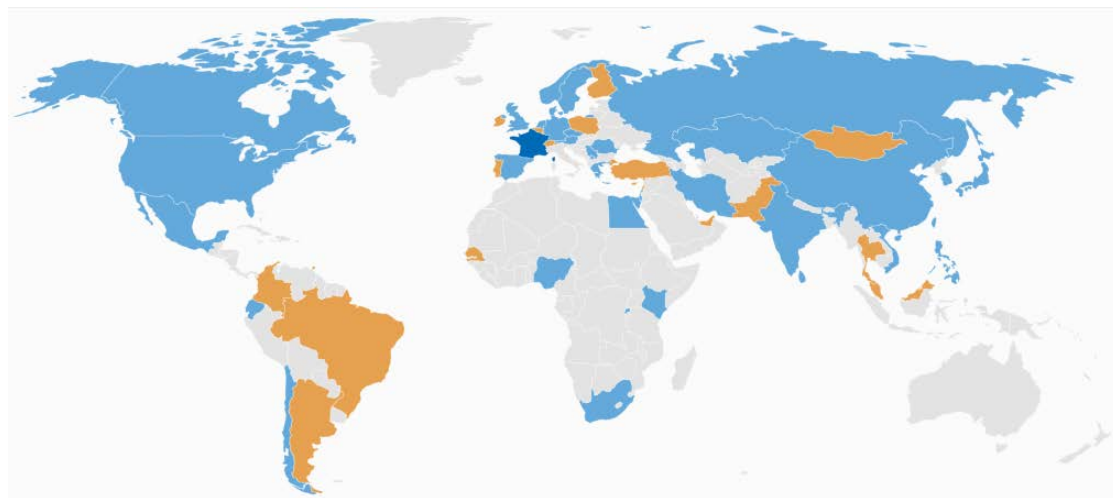
Francisco Javier Martínez Sánchez,
Expert, Mexican mirror committee ISO/TC 268



ISO/TC 268

Sustainable cities and communities

Standardization in the field of Sustainable Cities and Communities will include 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.



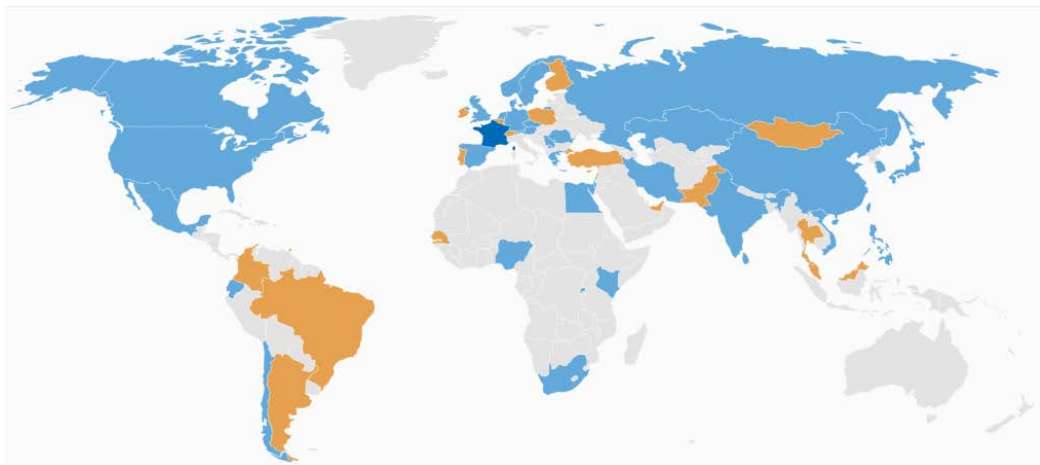
Participating countries: 36
Observing countries: 22

Note: **TC 268 will contribute to the UN Sustainable Development Goals** through its standardization work.

ISO/TC 268

Sustainable cities and communities

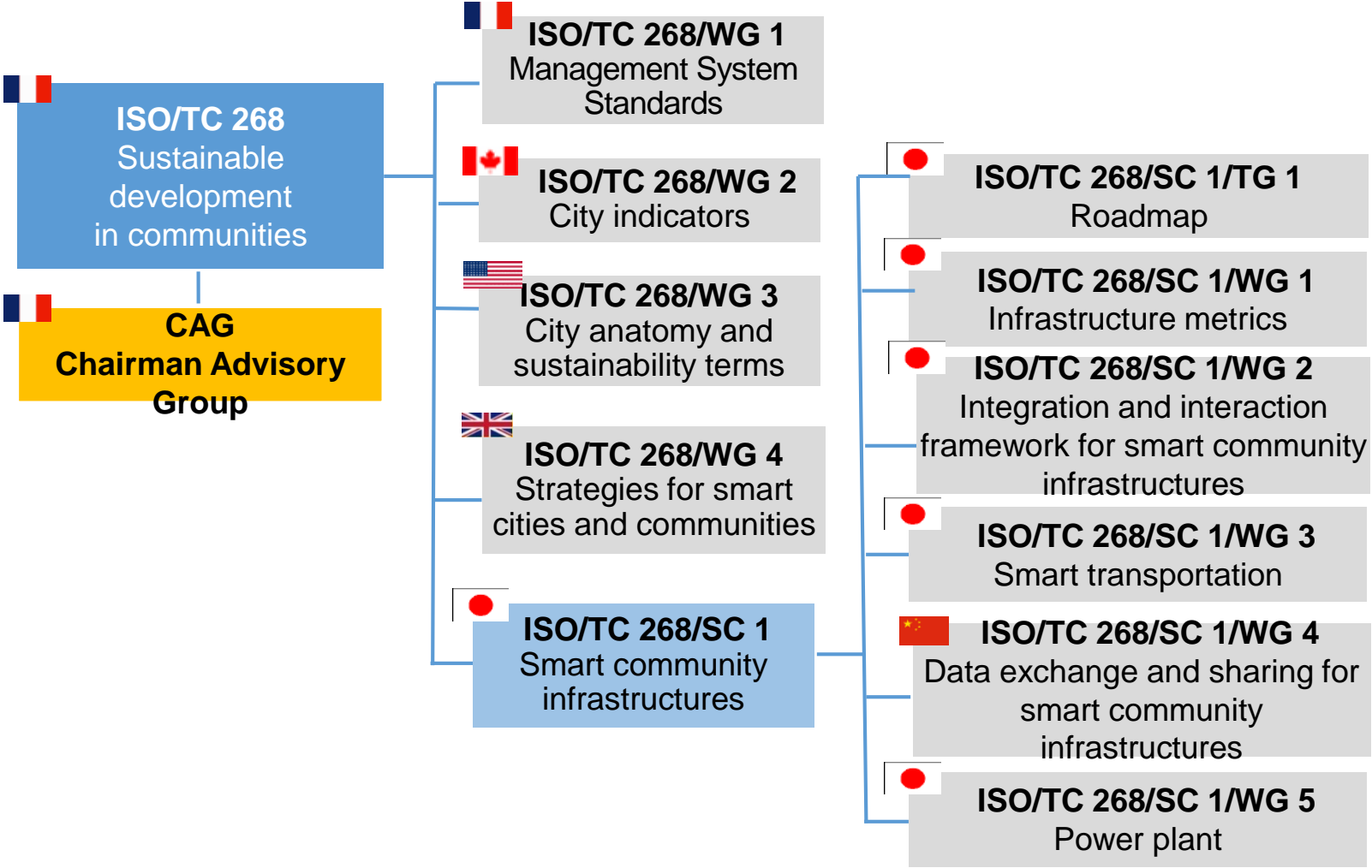
The proposed series of International Standards will encourage the **development and implementation of holistic and integrated approaches to sustainable development and sustainability.**



Participating countries: 36
Observing countries: 22

Chairman: Dr. B. Gindroz
Secretary: AFNOR ; Mr. E. Cailleau
Establishment: 2012

ISO/TC 268 Structure



ISO/TC 268

Publications

- ISO 37100:2016 Sustainable cities and communities – Vocabulary
- ISO 37101:2016 Sustainable development in communities -- Management system for sustainable development -- Requirements with guidance for use
- ISO 37120:2014 Sustainable development of communities -- Indicators for city services and quality of life
- ISO/TR 37121:2017 Sustainable development in communities -- Inventory of existing guidelines and approaches on sustainable development and resilience in cities

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Documents under development

- ISO/DIS 37104 Sustainable cities and communities -- Guidance for practical implementation in cities
- ISO/CD 37105 Sustainable development in communities -- Descriptive framework for cities and communities
- ISO/FDIS 37106 Sustainable cities and communities -- Guidance on establishing smart city operating models for sustainable communities
- ISO/FDIS 37120 Sustainable development in communities -- Indicators for city services and quality of life
- ISO/DIS 37122 Sustainable development in communities -- Indicators for Smart Cities
- **ISO/CD 37123 Sustainable Development in Communities -- Indicators for Resilient Cities**

ISO/TC 268/SC 1

Publications

- ISO/TR 37150:2014 Smart community infrastructures -- Review of existing activities relevant to metrics
- ISO/TS 37151:2015 Smart community infrastructures -- Principles and requirements for performance metrics
- ISO/TR 37152:2016 Smart community infrastructures -- Common framework for development and operation
- ISO 37153:2017 Smart community infrastructures -- Maturity model for assessment and improvement
- ISO 37154:2017 Smart community infrastructures -- Best practice guidelines for transportation
- ISO 37157:2018 Smart community infrastructures -- Smart transportation for compact cities

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Documents under development

- ISO/CD 37155 Framework for integration and operation of smart community infrastructures -- Part 1: Opportunities and challenges from interactions in smart community infrastructures from all aspects through the life-cycle
- ISO/AWI 37156 Smart community infrastructures -- Guidelines on Data Exchange and Sharing for Smart Community Infrastructures
- ISO/DIS 37158 Smart community infrastructures -- Smart transportation using battery-powered buses for public transportation systems to realize the city centers with zero-emission of greenhouse gases and small particles, the quiet environment and safe bus rides
- ISO/DIS 37159 Smart community infrastructures -- Smart transportation for rapid transit in/between large city zones and the surrounding areas
- ISO/AWI 37160 Smart community infrastructure Electric power infrastructure -- Measurement method for quality of thermal power station infrastructure and requirement for plant operation and maintenance practice

Resilience within ISO/TC 268

Identified into the TC scope :

Standardization in the field of Sustainable Cities and Communities will include 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.

=> TC 268 members are considering that City, Community or Urban Resilience are part of the scope of ISO/TC 268 in respect with principles and approach developed within ISO/TC 292

Identified within ISO 37101 as one of the six Sustainability purposes to be achieved by Cities and Communities :

attractiveness

preservation
of the
environment

social
cohesion

well being

responsible
use of
resources

resilience

Resilience within ISO/TC 268

Standards under development dedicated to City Resilience:

- ISO/CD 37123 Sustainable Development in Communities -- Indicators for Resilient Cities
- Growing interest within ISO/TC 268 members on this topic

Liaison with other Technical Committees:

- Liaison with ISO/TC 176/WG04

How have we contributed?

The ISO 18091 and the 17 SDG



The ISO 18091




- It is an international ISO standard for quality management in local governments.
- It works on a minimum approach as best practices can hide the worst practices.
- It has unique characteristics:

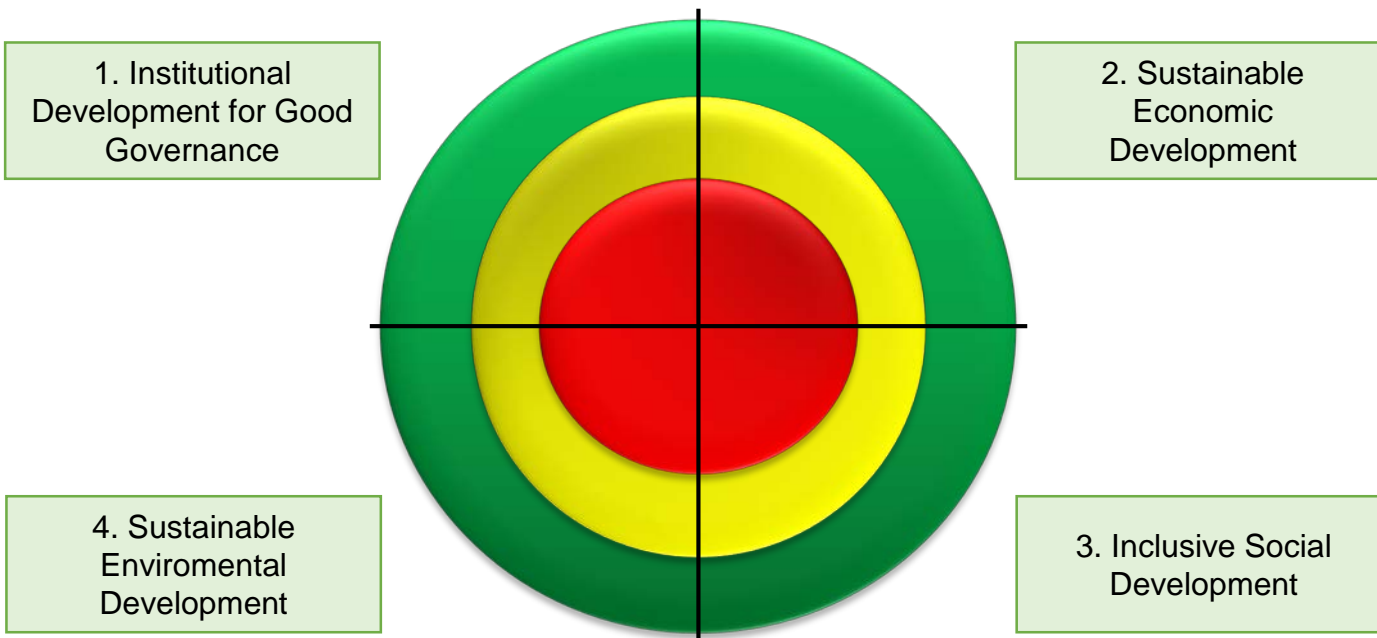
1. IS A MAP
2. IS A VIEWER
3. IS A LANGUAGE
4. IT IS A TASKS DISTRIBUTOR
5. IT IS A SYSTEMIC INTEGRATOR
6. IS A TRANSLATOR OF MEASUREMENT SYSTEMS ("ROSSETA STONE")
7. IS A NEW PARADIGM

- This standard is a fundamental road map **to make politically viable the technically indispensable**, in an integral and coherent way, visualizing the various levels of government in an organized, participative and intelligent city.
- We have worked on adapting it to the **17 UN ODS**.



«Integral Diagnostic, Check-up, Evaluation and Follow-up» System for the Development of a Reliable Local Governments

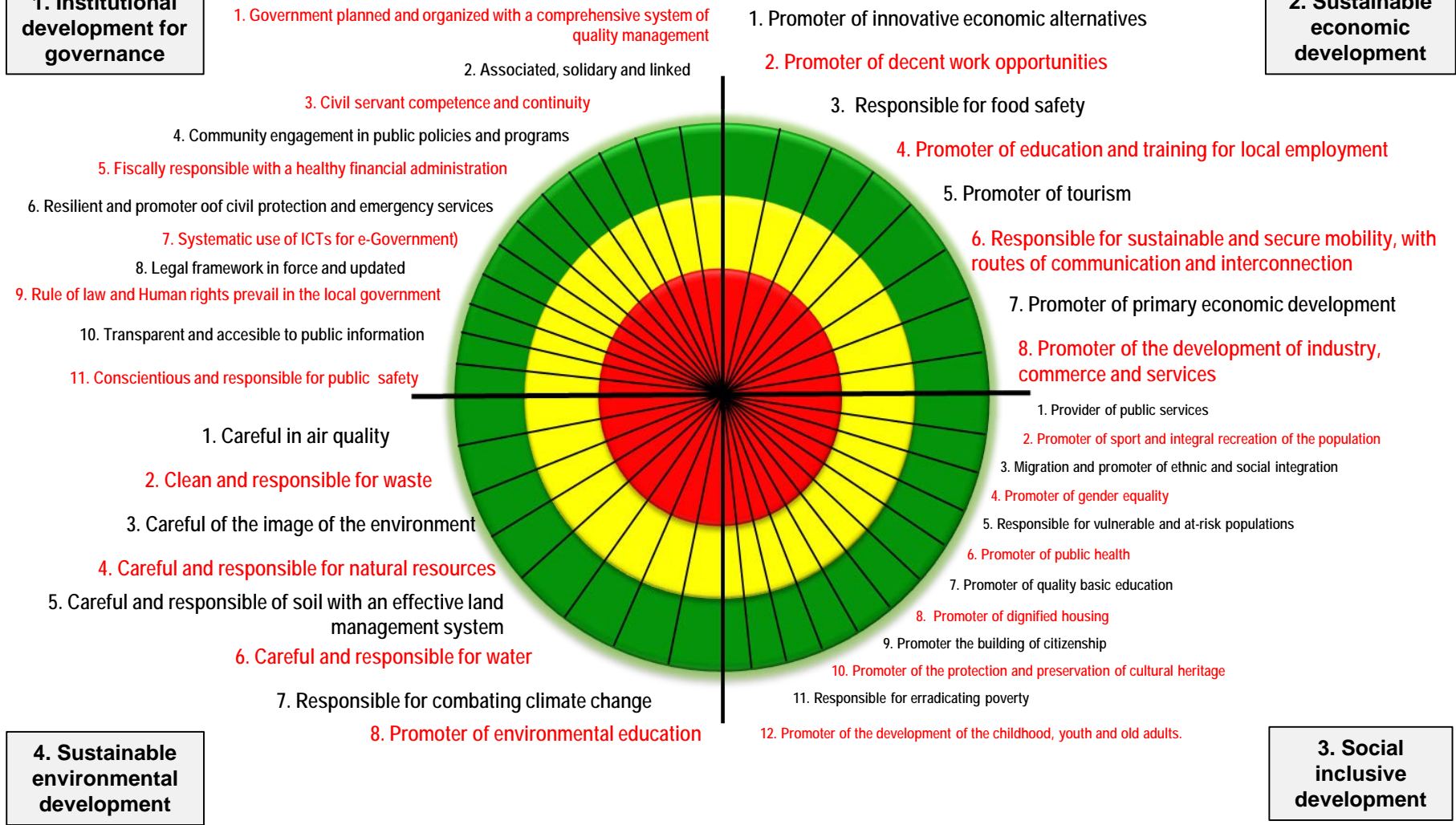
	«GREEN» = Minimum acceptable practices level
	«YELLOW» = Below the acceptable practices level
	«RED» = Unacceptable practices level



ISO 18091 tool for the evaluation of local governments

1. Institutional development for governance

2. Sustainable economic development



Thank you!

Francisco J. Martínez
Secretary, FIDEGOC, Secretary
CMISO/SC 268, Coordinator

www.gobiernosconfiables.org