



# The ISO/TMB Smart Cities Strategic Advisory Group (S\_Cities SAG)

*Chairman: Graham Colclough*

*Secretary: Francesco Dadaglio*

ITU Forum: “Sustainable smart cities: from vision to reality”

13 October 2014



# Quick overview of ISO

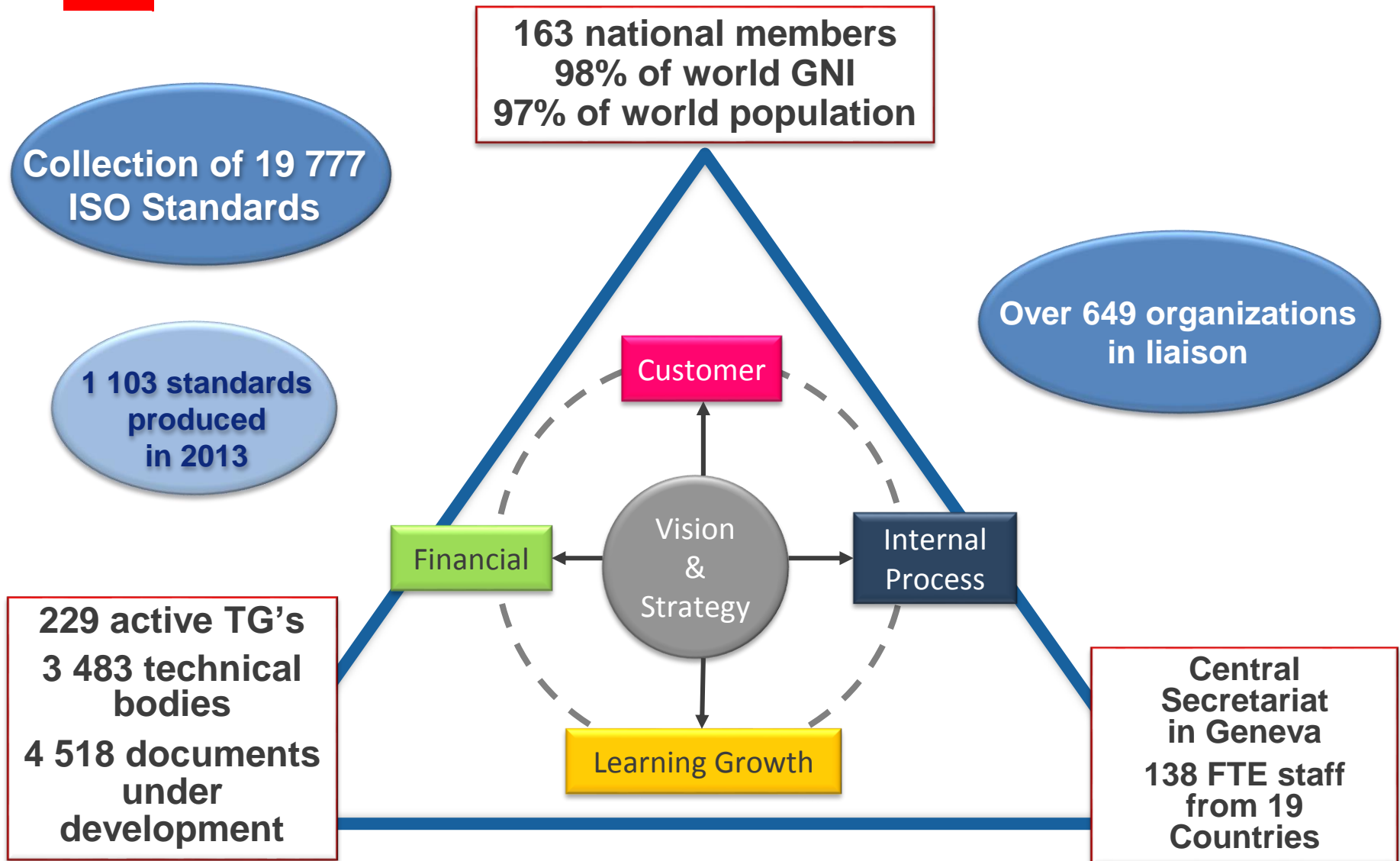
- **ISO: International Organization for Standardization**
- independent, non-governmental membership organization & developer of voluntary International Standards
- made up of **163 member countries** (national standards bodies around the world)
- **Central Secretariat** based in Geneva, Switzerland





# ISO – A Global System

Updated May 2014





# Technical Management Board (TMB)

- Technical work of ISO carried out under overall management of the Technical Management Board (TMB)
- TMB reports to ISO Council & its role is defined in the statutes of the organization
- It is responsible for:
  - ❑ setting up technical committees (TCs);
  - ❑ appointing TC chairs & monitoring progress of technical work;
  - ❑ responsible for the Directives - the rules for development of International Standards;
  - ❑ deals with strategic planning, coordination, performance & monitoring of technical committee activities.



# Creation of Smart Cities SAG

- The final report of the Task Force to address smart city standardization recommended creation of an advisory group
- Group created in February 2014
- Leadership assigned to BSI (British Standards Institute) & ISO member
- Secretariat support provided by ISO Central Secretariat (ISO/CS)



# Advisory Group mandate

- Clear working **definition** of ‘smart cities’
- Describe smart cities **landscape** & identify aspects most relevant to ISO
- Review **existing initiatives** and activities in ISO
- **Gap analysis** – areas for ISO work, and **collaboration** across standards bodies
- **Coordinate** ISO input and nomination of experts to IEC/SEG 1



# A holistic approach

Priority - **cooperate & avoid duplication of efforts**



- **Engage with Smart City groups:**
  - IEC/SEG 1
  - ITU-T SG5 Focus Group on Smart Cities
  - ISO/IEC JTC 1/SG 1 on Smart Cities
  - CEN-CENELEC-ETSI Coordination Group 'Smart and Sustainable Cities and Communities' (SSCC-CG)



# Advisory Group composition

14 experts  
4 liaison reps  
8 observers

Mix of:

- Sectors, professions & backgrounds
- Geographies



- **Geos:** UK (3); US (3); DE (1); Ch (2); FR (2); Japan (1); Korea (1);

**Experience:** City (4); Industry (7); Academic (3)

**Themes:** City Gen (10); Built Envrn't (4+); Transport (2); Energy (2+); ICT (8); Security (2); Sustainability (1+)

- **Standardisation** (10)

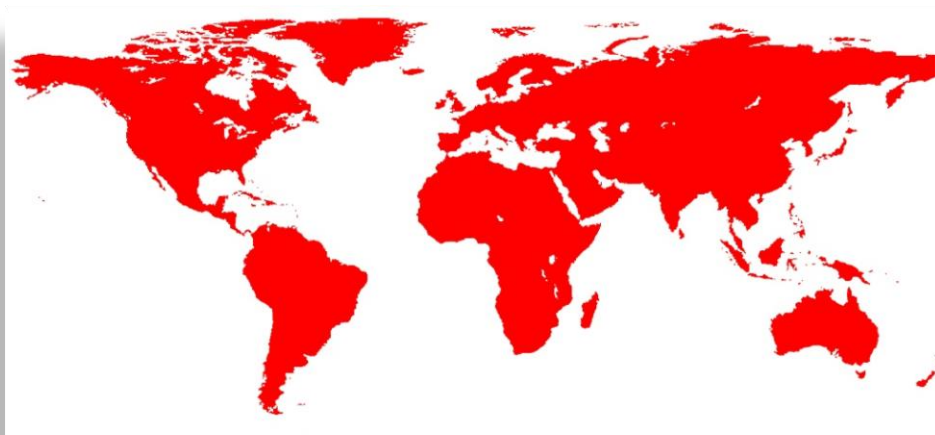




# Recent & future activities

- ❖ Launch meeting in Geneva on 17 June 2014
- ❖ Second meeting in London on 1 September 2014
- ❖ Future meetings to be confirmed

**Final report to TMB - September 2015**





# Smart cities & ISO committees

TC 59/SC 17 Sustainability in buildings and civil engineering works

TC 163 Thermal performance and energy use in the built environment

TC 205 Building environment design

TC 242 Energy management

TC 268 Sustainable development in communities

TC 268/SC 1 Smart community infrastructures

JTC 1 Study Group on Smart Cities; etc.



# TC 268 Sustainable development in communities & TC 268/SC 1 Smart community infrastructures



## ISO/TC 268

20 Participating countries

17 Observing countries

## ISO/TC 268/SC 1

17 Participating countries

11 Observing countries

# ISO & Information Technology

ISO committee on Information Technology held jointly with International Electrotechnical Commission (IEC):

ISO/IEC Joint Technical Committee 1 (JTC 1)



- **34** participating countries
- **29** sub-groups
- e.g. JTC 1 ***Study Group on Smart Cities***



# PUBLISHED STANDARDS & STANDARDS UNDER DEVELOPMENT

- **ISO 37120** Sustainable development & resilience of communities - Indicators for city services & quality of life
- **ISO/TR 37150** Smart community infrastructures - Review of existing activities relevant to metrics
- **ISO 37101** Sustainable development & resilience of communities - Management systems - General principles & requirements
- **ISO 37102** Sustainable development & resilience of communities – Vocabulary
- **ISO/TR 37121** Inventory & review of existing indicators on sustainable development & resilience in cities
- **ISO/TS 37151** Smart community infrastructure metrics - General principles & requirements
- **ISO/TR 37152** Smart community infrastructures -- Common framework for development & operation



**THANK  
YOU!**