ITU's KPIs implementation in cities

U4SSC Key Performance Indicators for

Smart Sustainable Cities
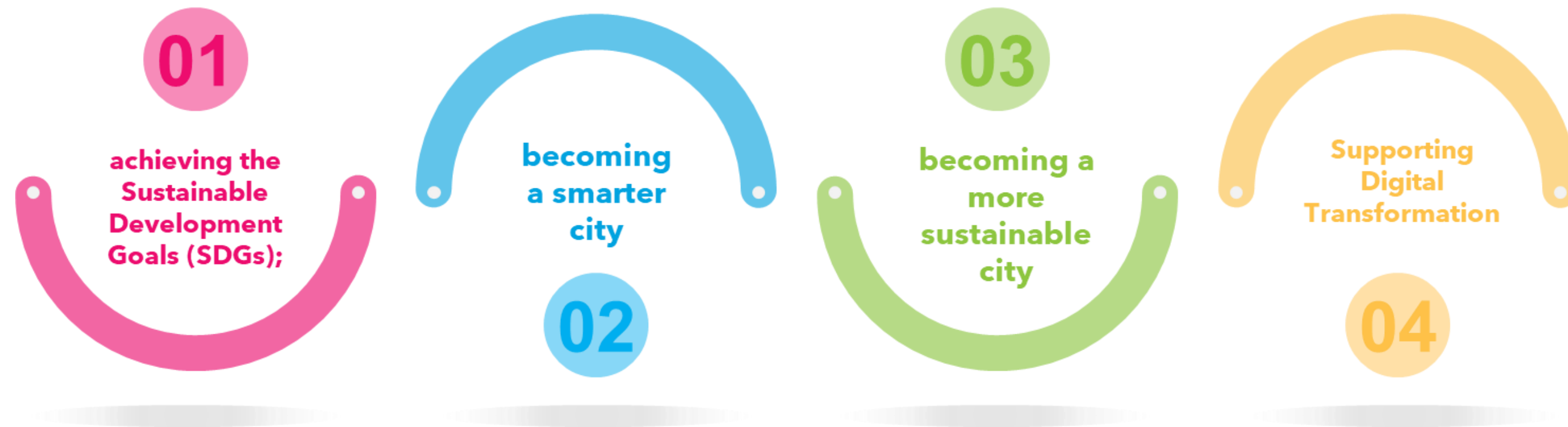
Presented by:
John Smiciklas
20 June 2023
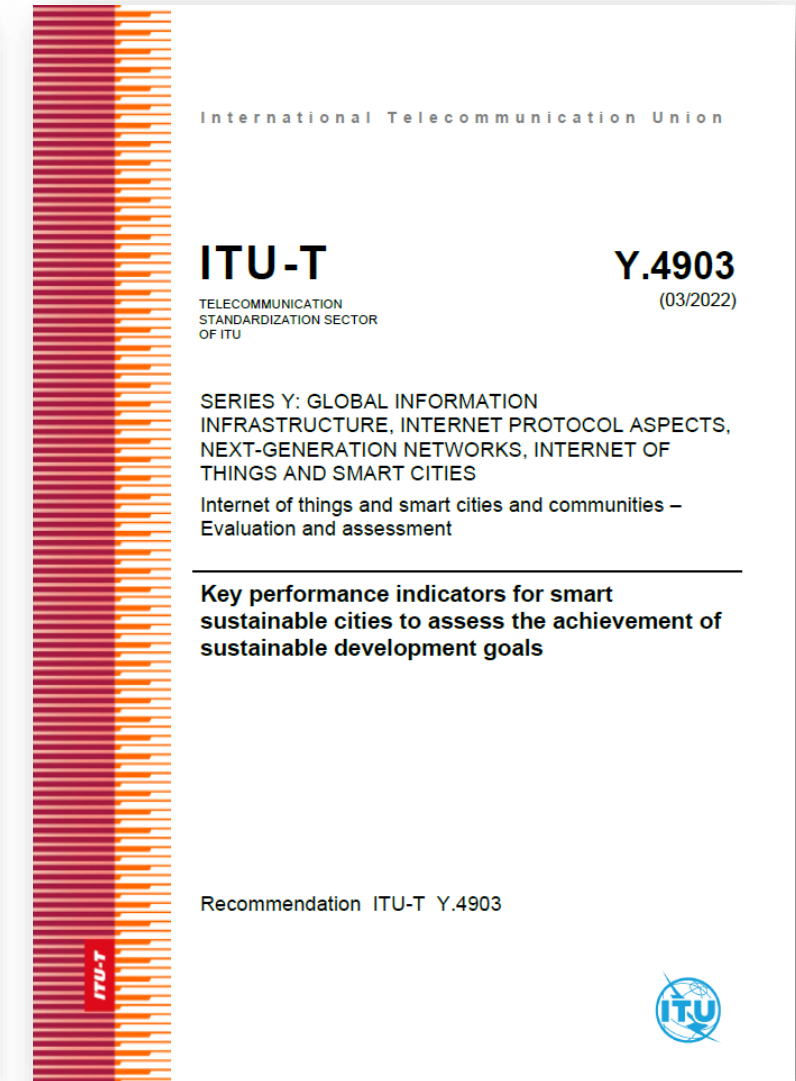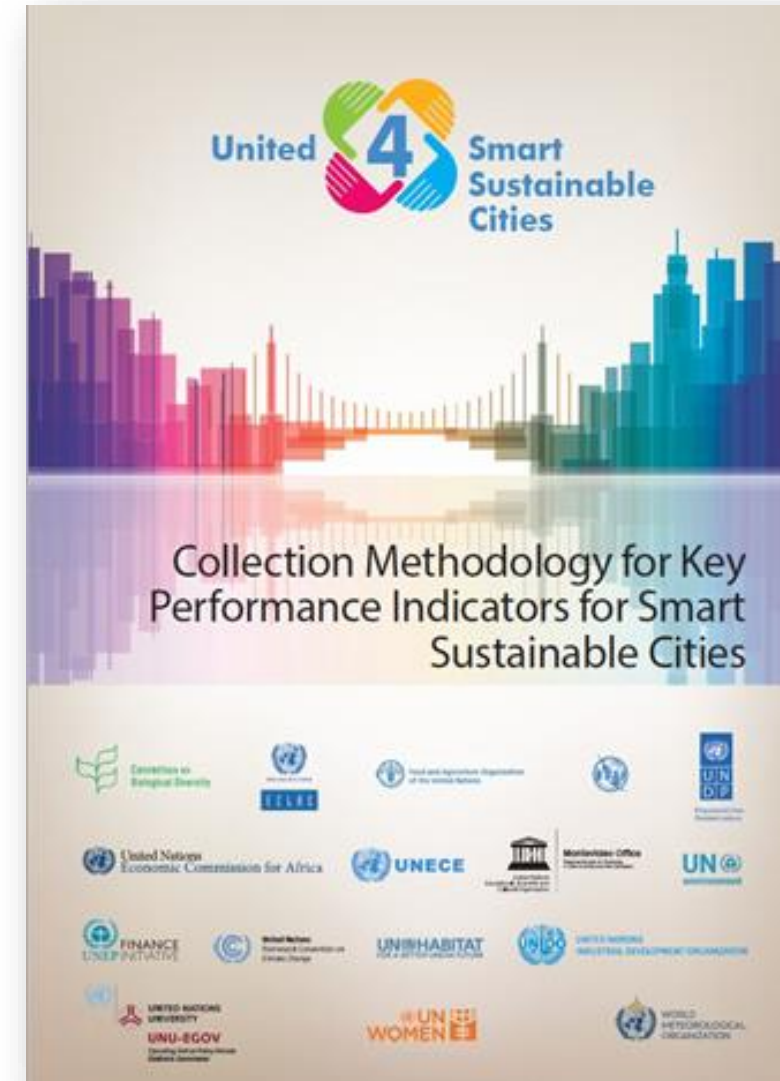
Digital Transformation in Cities

The U4SSC Key Performance Indicators for Smart Sustainable Cities have been developed to provide cities with a consistent and standardised method to collect data and measure performance and progress of:

01 achieving the Sustainable Development Goals (SDGs);

02 becoming a smarter city

03 becoming a more sustainable city

04 Supporting Digital Transformation

U4SSC Key Performance Indicators (KPI)

Evidence-Based Policy Making

Accountability

Better informed decision making

Continuous Improvement

Measuring Progress

United 4 Smart Sustainable Cities

Collection Methodology for Key Performance Indicators for Smart Sustainable Cities

International Telecommunication Union

ITU-T   Y.4903
TELECOMMUNICATION   (03/2022)
STANDARDIZATION SECTOR
OF ITU

SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS, NEXT-GENERATION NETWORKS, INTERNET OF THINGS AND SMART CITIES

Internet of things and smart cities and communities – Evaluation and assessment

Key performance indicators for smart sustainable cities to assess the achievement of sustainable development goals

Recommendation ITU-T Y.4903

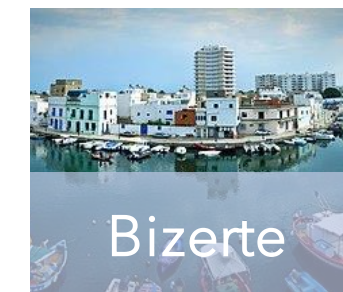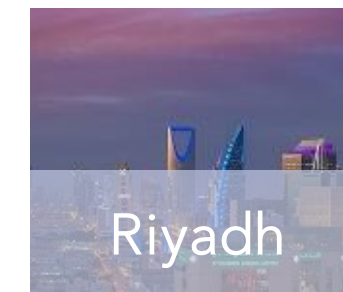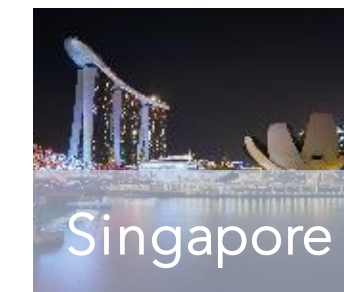# The U4SSC KPI Dimensions

Dimensions

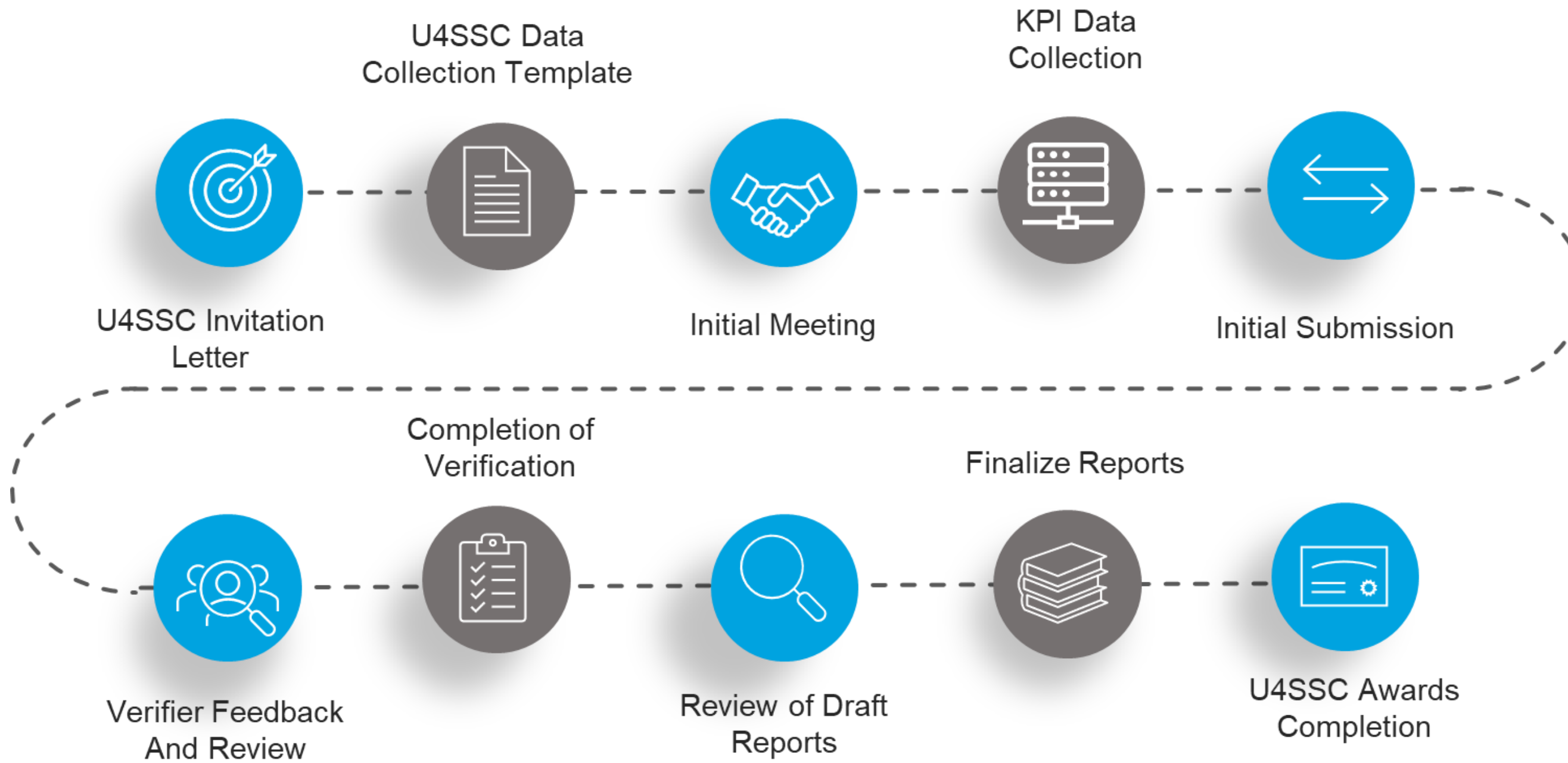| Economy	Environment	Society and Culture
• ICT Infrastructure • Water & Sanitation • Drainage • Electricity Supply • Transport • Public Sector • Innovation • Employment • Waste • Buildings • Urban Planning	• Air Quality • Water and Sanitation • Waste • Environmental Quality • Public Space and Nature • Energy	• Education • Health • Culture • Housing • Social Inclusion • Safety • Food Security

Categories

55 Core Indicators + 36 Advanced Indicators
• 20 Smart + 32 Structural + 39 Sustainable
• 132 Data Collection Points

Daegu   Mashhad   Dubai

Singapore   Riyadh   Valencia

Santa Fe   Bizerte   Many more!

U4SSC KPI Process

U4SSC Data Collection Template

KPI Data Collection

U4SSC Invitation Letter

Initial Meeting

Initial Submission

Completion of Verification

Finalize Reports

Verifier Feedback And Review

Review of Draft Reports

U4SSC Awards Completion
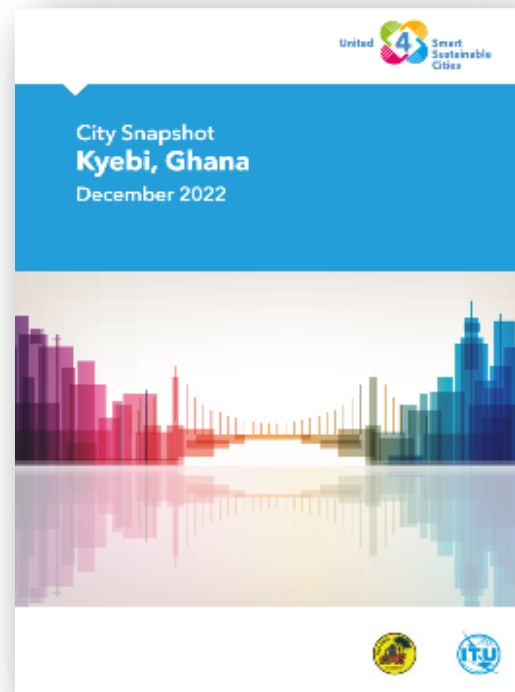
Reporting the U4SSC KPIs

City Snapshots
Provide a visual overview of a city's U4SSC KPIs performance based on global benchmarks

Case Studies
Detail a city's journey towards successfully becoming a smart sustainable city

Verification Reports
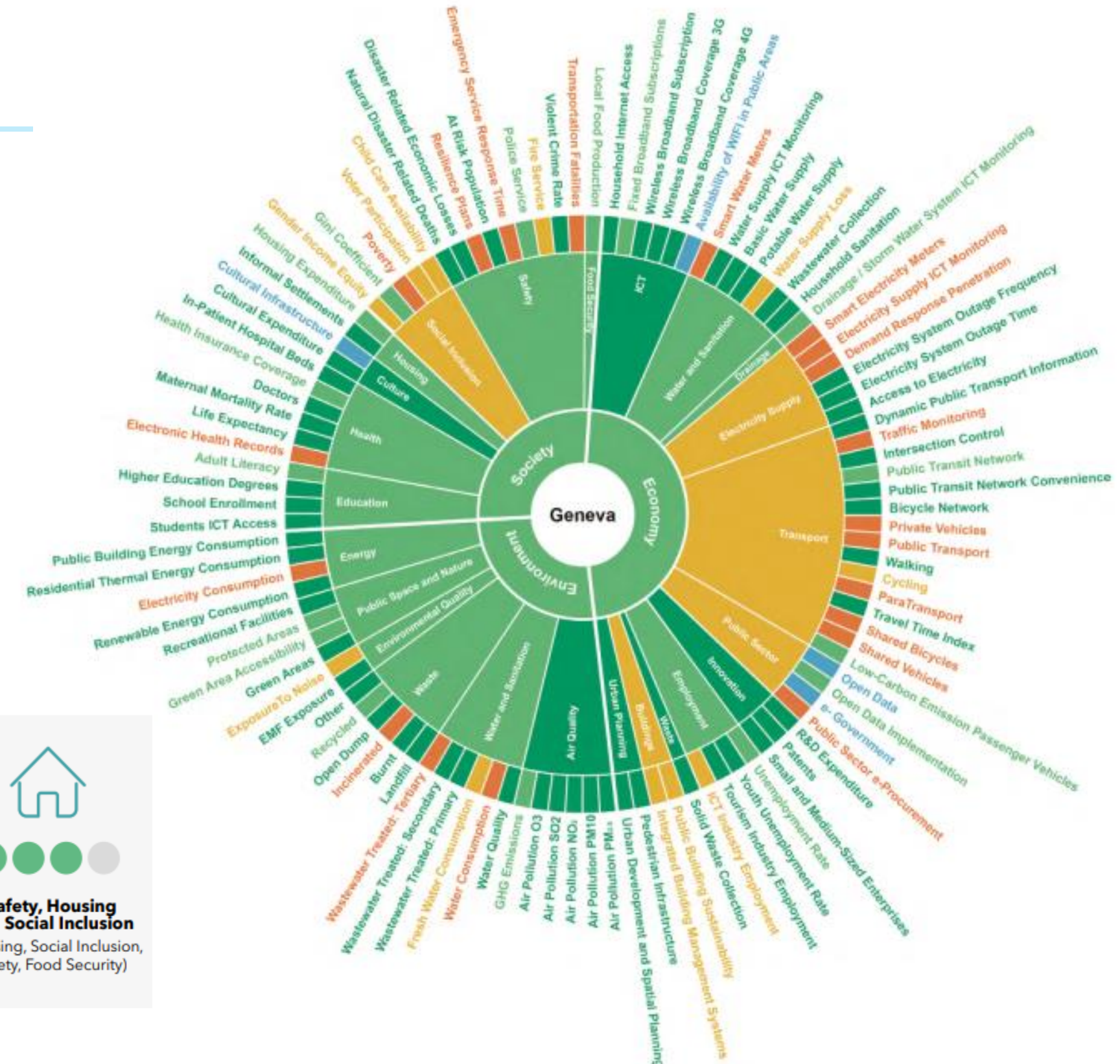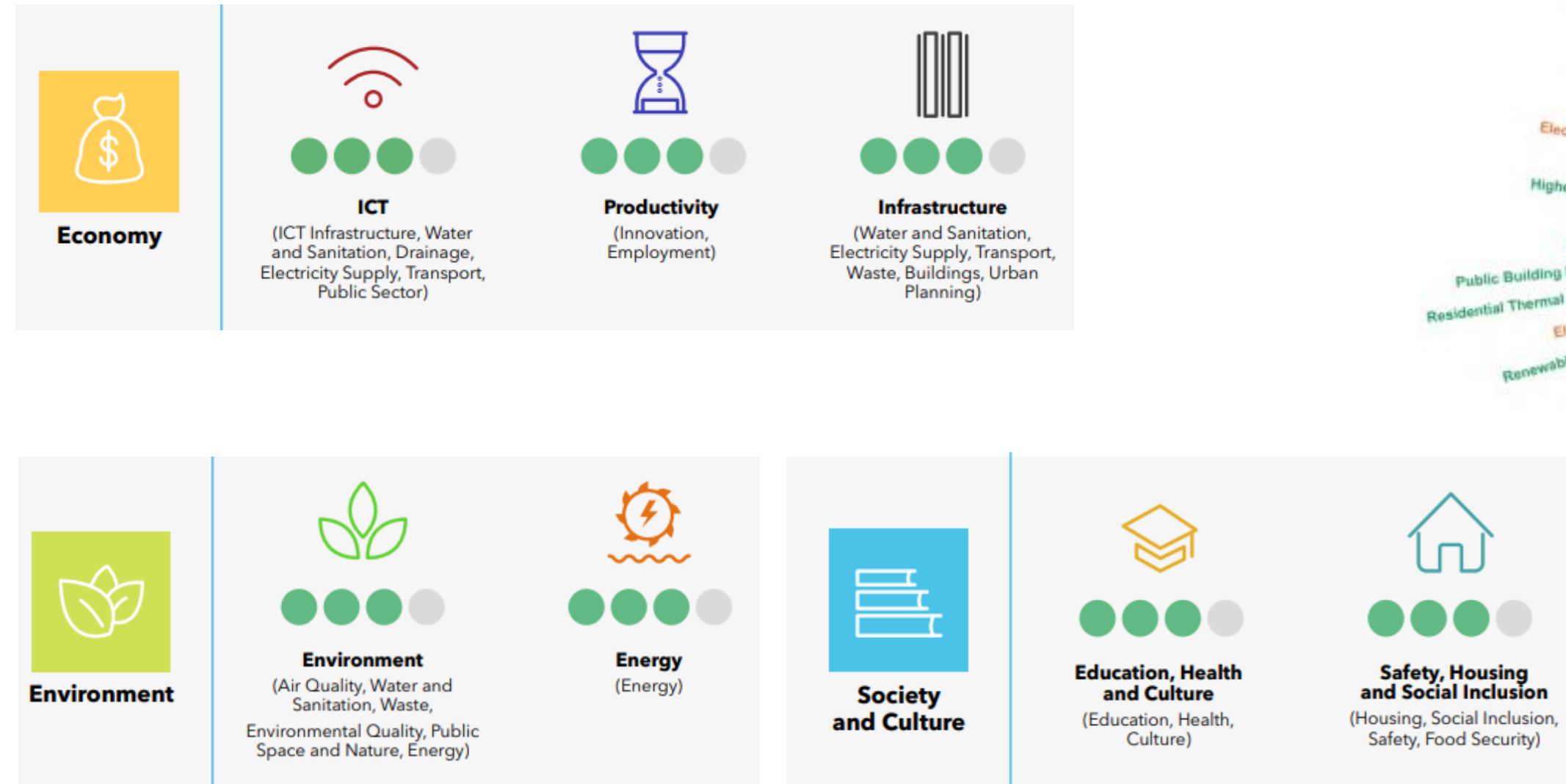Summarize the conclusions of a city's U4SSC KPIs project

U4SSC KPIs in Action

Daegu, South Korea (Republic of)

U4SSC KPIs in Action

Daegu, South Korea (Republic of)

U4SSC KPIs in Action

Canton of Geneva, Switzerland

Economy

- **ICT**
  (ICT Infrastructure, Water and Sanitation, Drainage, Electricity Supply, Transport, Public Sector)
- **Productivity**
  (Innovation, Employment)
- **Infrastructure**
  (Water and Sanitation, Electricity Supply, Transport, Waste, Buildings, Urban Planning)

Environment

- **Environment**
  (Air Quality, Water and Sanitation, Waste, Environmental Quality, Public Space and Nature, Energy)
- **Energy**
  (Energy)

Society and Culture

- **Education, Health and Culture**
  (Education, Health, Culture)
- **Safety, Housing and Social Inclusion**
  (Housing, Social Inclusion, Safety, Food Security)

U4SSC KPI Advantages

The first and only International Standard supported by 16 UN Agencies

Support cities in the development of informed policy making

Identify areas of improvement and assess its own progress

Allows cities to develop stronger strategies

Help cities to accelerate digital transformation and achieve the SDGs

For more information, please contact:

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U4SSC website:

https://u4ssc.itu.int/

Thank you!