

Smart Sustainable CITIES Approach

The SSC approach

- ✓ What is smart and sustainable - Sustainable Development Goals (rf. U4SSC KPIs and SDGs);
- ✓ Individual city approach - focus on core needs, data and resources available to support city DNA;
- ✓ Develop Smart City Profiles and Smart City Action Plans
- ✓ Capacity building– especially linked to project planning
- ✓ Technology planning and integration
- ✓ Better finance mechanisms and municipal financing
- ✓ Citizen engagement



UNITED SMART
CITIES



United for Smart Sustainable Cities



The U4SSC developed a set of international key performance indicators (KPIs) for Smart Sustainable Cities (SSC) to establish the criteria to evaluate ICT's contributions in making cities smarter and more sustainable, and to provide cities with the means for self-assessments in order to achieve the sustainable development goals (SDGs).

These indicators have been developed to provide cities with a consistent and standardized method to collect data and measure performance and progress to:

Achieving the Sustainable Development Goals

Becoming a smarter city

Becoming a more sustainable city

Cities will be able to:

- Compare their progress over time
- Compare their performance to other cities
- Through analysis and sharing allow for the dissemination of best practices
- Set standards for progress in meeting the SDGs

KPI's Structure

Dimension

Economy

Environment

Society and Culture

Sub-dimension

- ICT
- Productivity
- Infrastructure

- Environment
- Energy

- Education, Health and Culture
- Safety, Housing and Social Inclusion

Category

- ICT Infrastructure
- Water and 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



United **Smart
Sustainable
Cities**

Guides on tools and mechanisms to finance
SSC projects





Processes and Activities

1. City Evaluation



- KPI Analysis
- KPI Gap Analysis
- SSC City Data Assessment
- SSC Diagnostic and Scenario Modelling

2. City Profiling



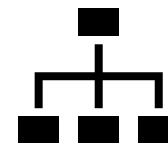
- Expert & Stakeholder Review
- SSC Programmes & Project Recommendations
- SSC Programme & Project Selection Considerations

3. SSC City Roadmap



- Programmes & Project Overview
- Value Case & Citizen Engagement
- Investment Marketplace
- Industry Partnerships & Ecosystem design
- Governance model & Funding provision

4. Design, Implement & Measure



- Detailed Design of Programmes & Projects
- Smart Public Procurement Plan
- Detailed Implementation Plan
- Operation Plan
- Monitoring & measurement Plan

Measure

Review

Plan

Implement



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Industry and technology areas



FINANCIAL
INSTITUTIONS



GREEN HOUSING
AND FACILITIES
TECHNOLOGIES



HEALTH
INFRASTRUCTURE



INFORMATION AND
COMMUNICATION
TECHNOLOGIES



INFRASTRUCTURE
CONSTRUCTION



ENERGY



RECYCLING AND
WASTE MANAGEMENT



RENEWABLE ENERGY



SAFETY AND
SECURITY



URBAN MOBILITY



URBAN
DEVELOPMENT
SERVICE



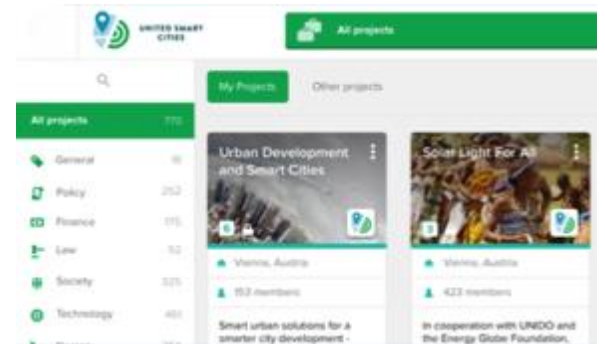
E-MOBILITY

Marketplace for City Projects

A customized platform to showcase, initiate and implement city projects will be offered to the cities. The platform support cities in bringing together the best advisors and experts to discuss solutions, technology integration and finance options and funds, while providing visibility and transparency to the project pipeline.

The platform will enable effective collaboration between city representatives, companies, financiers and top smart city experts both locally and globally. It also supports effortless coordination and development of multiple projects by diverse teams among various stakeholders.

The platform enables an innovative match between a project idea, solution providers, urban experts and financial institutions.



USC City LABS and training Centre for Cities

Cities in the program will have access to and host city innovation LABs to showcase best practices and solutions, to learn from other participating cities, especially in terms of data and technology approaches.

The LABs will enable cities to better assess their status with respect to the impacts of urban development on economy, environment, including climate change, and society as well as culture, and other aspects which are of relevance to quality of life and competitiveness.

