Session 5: U4SSC deliverables

U4SSC deliverable on Reference framework for integrated management of an SSC

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Co-leader of the Thematic Group on City Platforms
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WG 5 – Main objectives & experts' contribution

The purpose of the deliverable is to help cities identify the strategic, operational and connectivity needs that a Smart Sustainable City's integrated management can meet.

WG 5 – Reference framework for integrated management of an SSC

This group deals with aspects related to the definition of a reference framework for integrated city management to help cities currently committed to the sustainable and smart cities promoted by USSC.

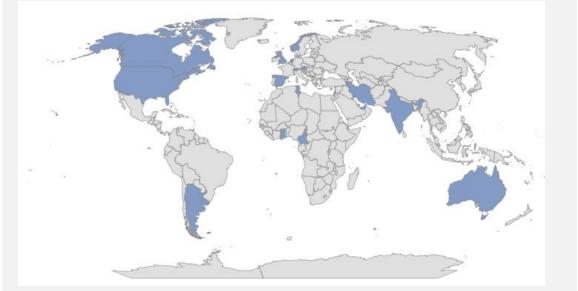
This Working Group highlights from a city perspective:

- Role of IT and connectivity on SSC.
- •IT governance and reference technological architecture.
- •Cities IT ecosystem and digital government services.
- A path to City Transformation.

41 Experts 20 Countries 8 PhD



Professional sector	Count
Central government administration	3
General information and	2
Communications	2
General public administration sector	3
Information technology	16
Law and justice	3
Other industry	1
Sanitation	1
Sub-national government	2
administration	2
Telecommunications	6
Tertiary education	2
Vocational training	1



WG 5 - Structure of the Deliverable



CURRENT CONTEXT OF CITIES **IT GOVERNMENT OF A CITY**

URBAN TECHNOLOGICAL REFERENCE ARCHITECTURE

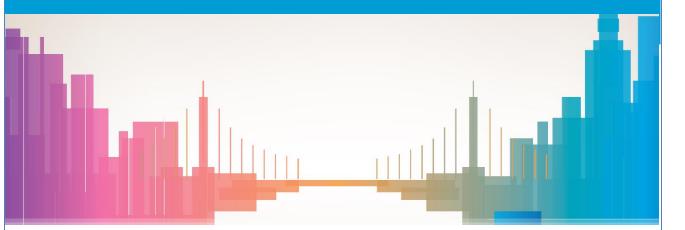
THE CONNECTIVITY **OF AN SSC**

CITY IT ECOSYSTEM

BUSINESS AND COMPONENTS

A PATH TO CITY **TRANSFORMATION** **APPLICATION**

Reference framework for integrated management of an SSC A U4SSC deliverable on City Platforms









































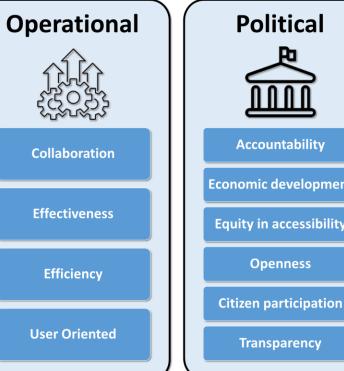


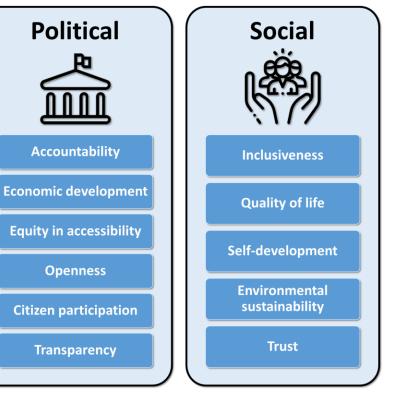
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Current context of cities

CURRENT CONTEXT OF CITIES









Electronical Administration Challenge

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IT Government of a City

GOVERNMENT OF A

CONCEPTUAL VISION OF A SMART CITY STRATEGY

STRATEGIC MANAGEMENT IN SSC CITIES AND ICT

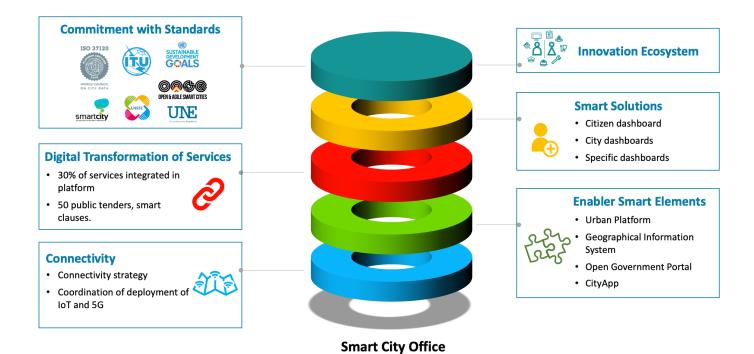
IT GOVERNANCE

SMART CITY OFFICES

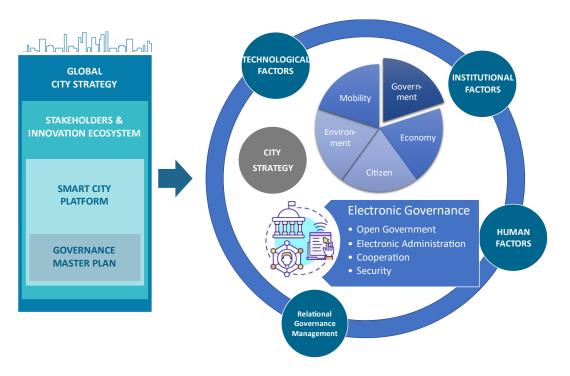
SMART AREAS OF ACTION

ICT STRATEGY EVOLUTION

ROADMAP



Smart City Action Layers



Strategic Management

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Urban Technological Reference Architecture

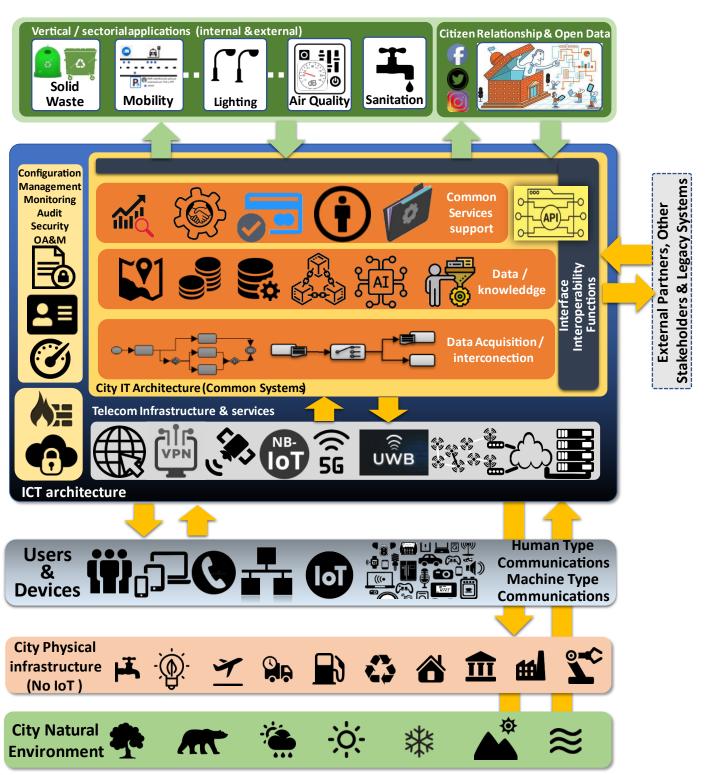
URBAN TECHNOLOGICAL REFERENCE ARCHITECTURE

SSC TAXONOMY

REFERENCE TECHNOLOGICAL ARCHITECTURE

VISION OF THE ICT ARCHITECTURE

LAYERED MODEL



Architecture of a Smart City

U4SSC VIII

The Connectivity of a Smart Sustainable City

THE CONNECTIVITY

CONNECTIVITY SCENARIOS AND TELECOMMUNICATION SERVICES

PEOPLE – PERSONAL COMMUNICATIONS

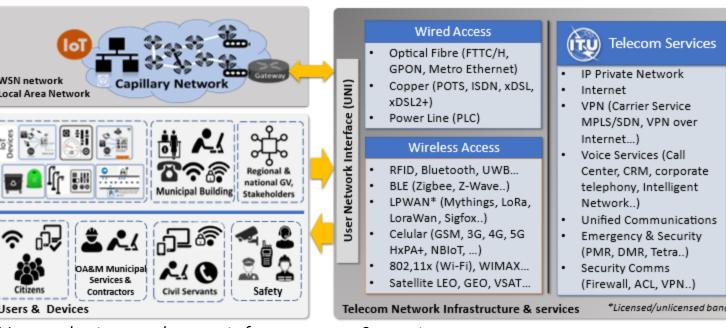
PROCESSES, MACHINE-MACHINE COMMUNICATIONS (MTC)

Urban Space Management CITY CORPORATE NETWORK

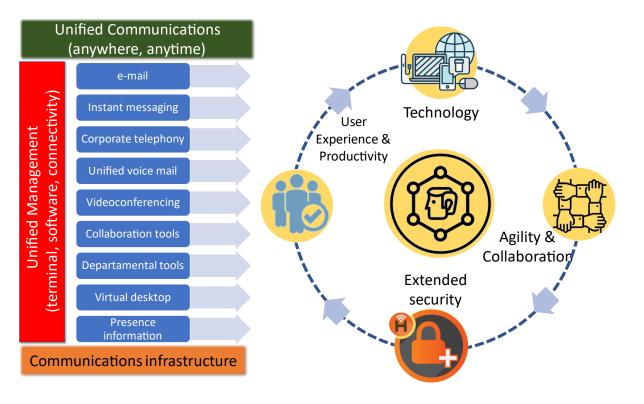
City CORE NETWORK

VOICE AND VPN CARRIER SERVICES

ACCESS TO SERVICES and devices via the Internet



Users, devices, telecom infrastructure & services



Unified Communications paradigm

ITY IT ECOSYSTEN

City IT Ecosystem

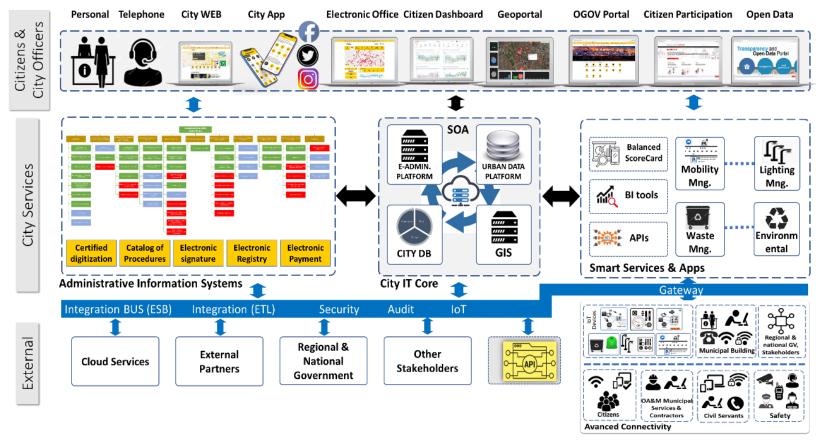
U4SSC

THE IT ECOSYSTEM

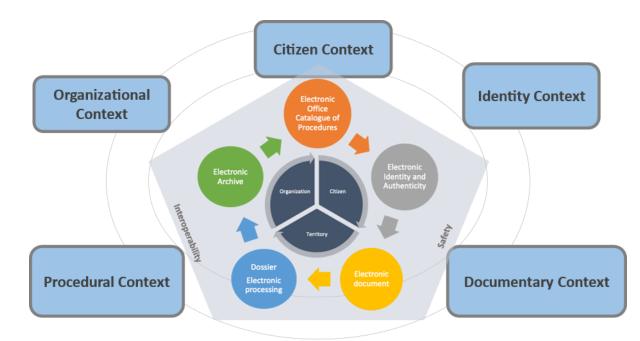
APPLICATIONS OF VALUE FOR CITIZENSHIP

CORE IT COMPONENTS

ROADMAP FOR THE DIGITAL TRANSFORMATION OF A SMART AND SUSTAINABLE CITY



Smart City ICT Ecosystem - Data infrastructure for City Services



Context for a generic eGovernment Solution

APPLICATION BUSINESS

Business and Application Components



COMPONENTS

GUIDANCE WITH THE PRINCIPLES FOR DIGITAL DEVELOPMENT

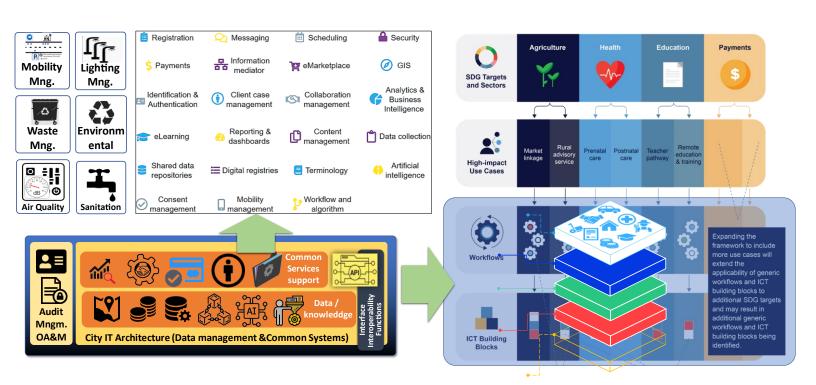
GOVSTACK DIGITAL GOVERNMENT PLATFORM APPROACH

DIGITAL GOVERNMENT PLATFORM BENEFITS

GOVSTACK SOFTWARE COMPONENTS (BUILDING BLOCKS)

A REFERENCE TO INDIA'S GOVERNMENT ENTERPRISE ARCHITECTURE, (INDEA)

SMART DESTINATION PLATFORM



City IT Architecture & GovStack approach



solution is enabled by the India Stack

Digi locker authorization

India Stack framework



Chapter 8: A Path to City Transformation

8.1 L	EADERSHIP	1
8.2 C	ITY STRATEGIC FORMULATION	1
8.2.1	Diagnostic and actual context	1
8.2.2	Vision and City Objectives	1
8.2.3	Governance	1
8.3 C	ITY ICT STRATEGIC FORMULATION	1
8.3.1	Context and Current Diagnosis	1
8.3.2	Technological leadership & ICT governance	
8.3.3	Reference ICT technological architecture	1
8.3.4	ICT Evolution	
8.4 N	ILESTONES AND LINES OF ACTION ALONG THE PATH OF TRANSFORMING VALENCIA INTO AN SSC	1

Objective

Help cities establish a high-level path for their transformation into SSC in the strategic and ICT fields.

Reference to other sections of the document as a guide for managers and stakeholders.

City SSC Transformation

Leadership

City Strategic Formulation

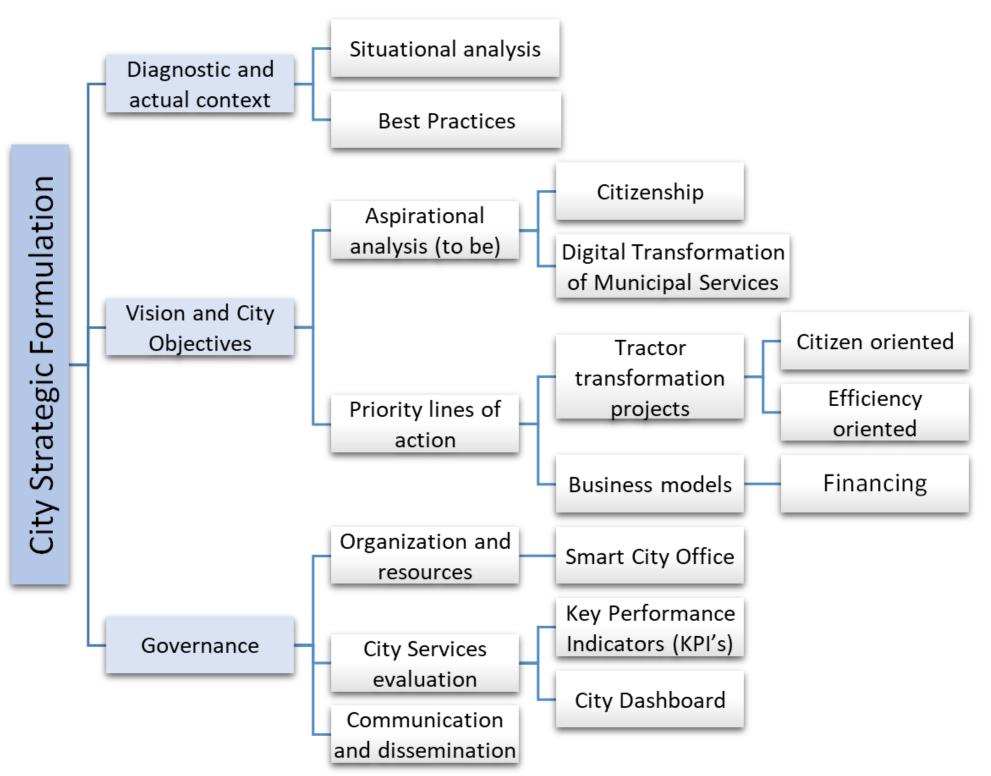
City ICT Formulation



Chapter 8: A Path to City Transformation

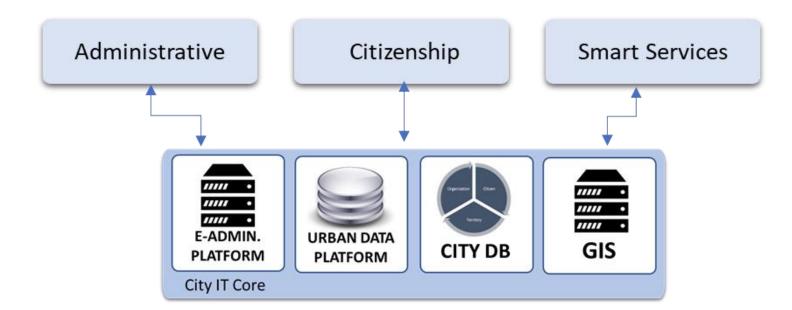
City Strategic Formulation

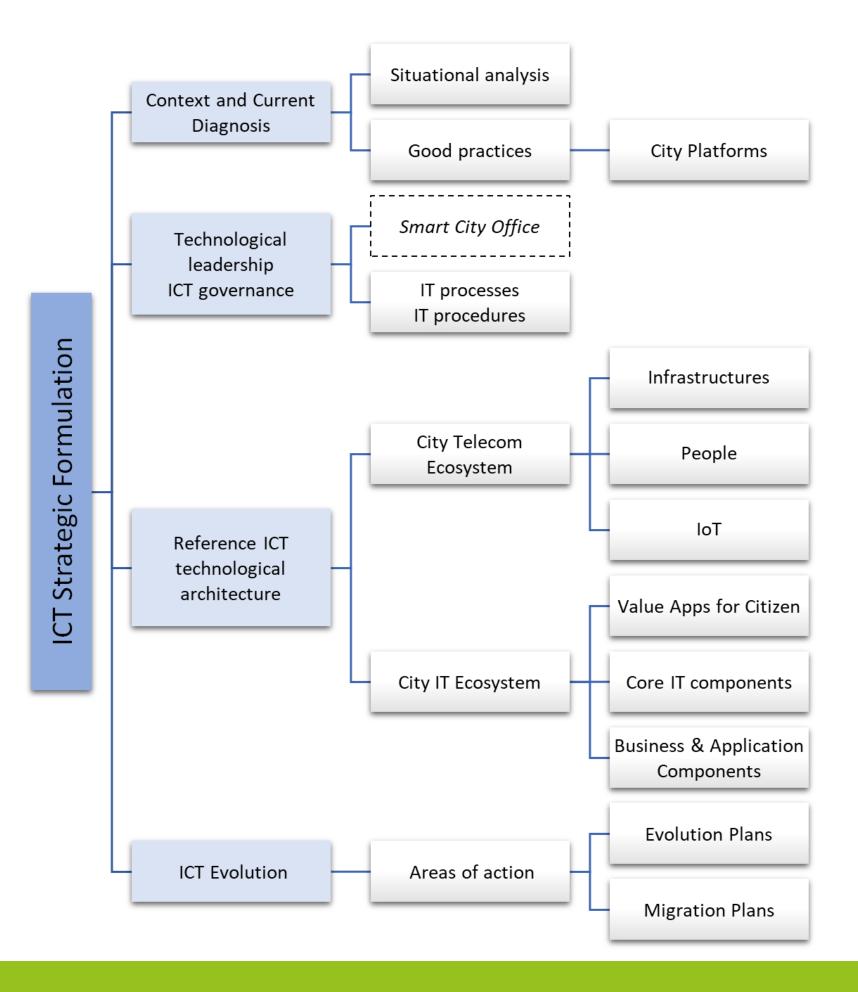




Chapter 8: A Path to City Transformation

ICT Strategic Formulation









Lessons Learned from other WG

Geographical distribution of the experts enriches the quality of the deliverables.

The professional background of the experts provides different views on the same subject.

Involvement of the experts in the development of the deliverable, including many cities

Strategic guidance and support from U4SSC secretariat

Good
implementation of
city platforms
around the word,
basic infrastructure
for future smart,
sustainable and
resilient cities.

For more information, please contact:

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Thank you!



