Thematic Group on Smart City Platforms

Presented by:
Ramón Ferri, U4SSC Thematic Leader
7 December 2021

Objectives. Working Groups. Experts

This Thematic Group highlights from a city perspective: current best city practices, unresolved challenges and requirements that must be tackled via integrated city management, as well as a new version of the agile response architecture made up of advanced technologies, and the outlook for deployment in different environments.

This thematic group comprises five working groups:

WG1: Digital Solutions for integrated city management & use cases.

WG2: Smart public health emergency management and ICT implementations.

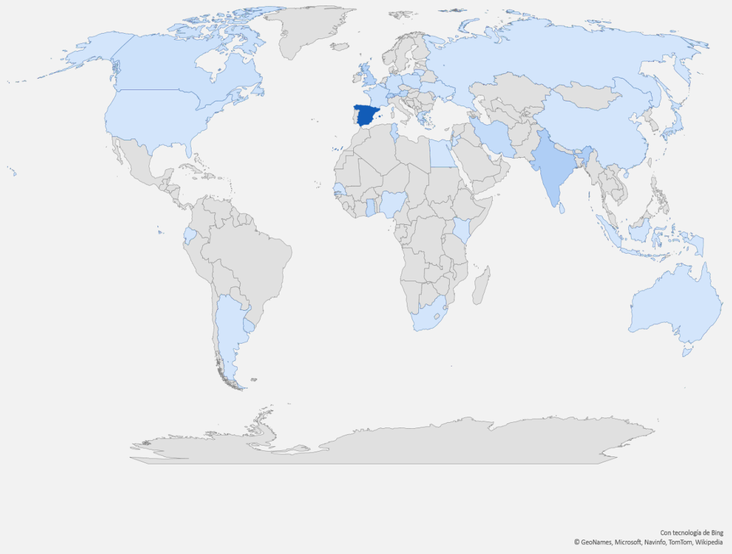
WG3: New architecture for sustainable, digital development.

WG4: Smart Tourism: a path to more secure and resilient destinations

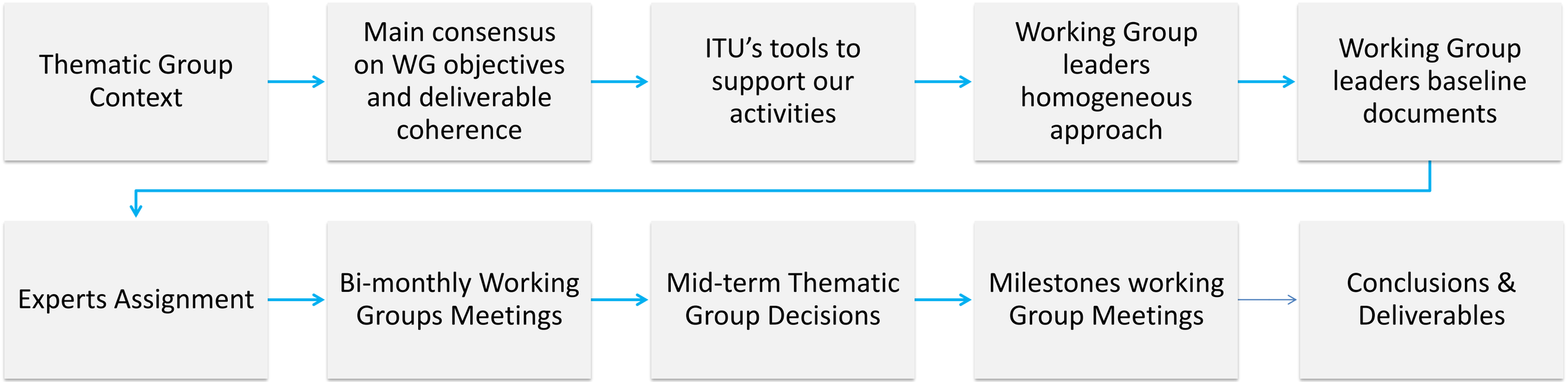
WG5: Reference framework for an integrated management of a smart sustainable city

103 submissions

- 36 Countries
- 103 Experts selected
- 26 PhDs
- Backgrounds:
  - Researchers (10)
  - Technical experts (12)
  - Professionals (26)
  - Regulations/Standards (19)
  - Smart Cities (23)



Thematic Group Meetings Objectives & Process



Work Plan & Timeline

Global Meeting

Discussion of Objectives and Scope of WG's and Deliverable Contents

- Experts choose one or more working groups to contribute

Discussion of Deliverable Contents and Document Coherence

- Draft objectives and scope of each WG

Agreement of Objectives and Scope of Each Deliverable

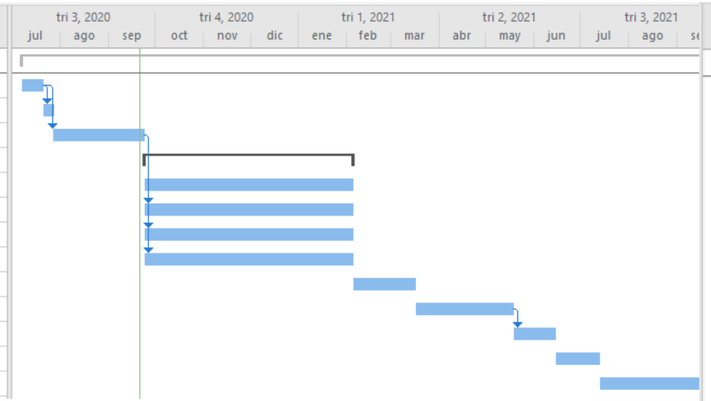
- WG leaders and experts assignment

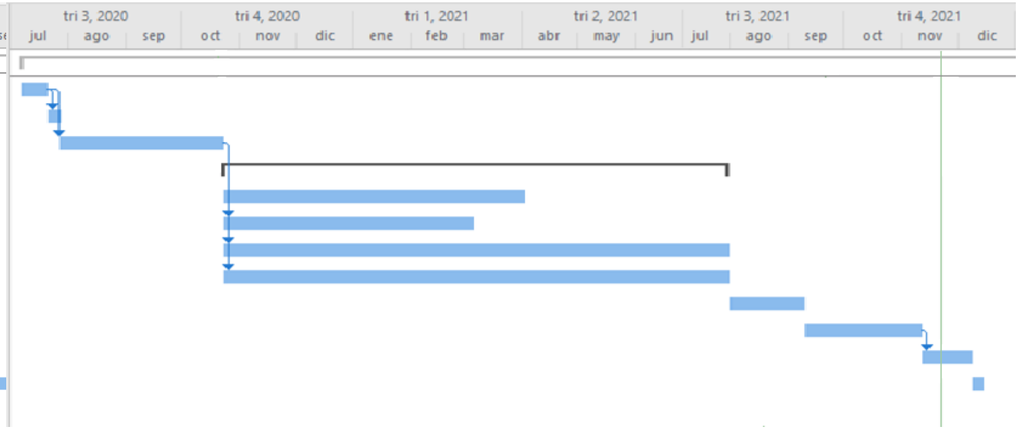
WG 1 to 4 meetings with experts

PLANNED

REAL

Task	Comienzo programado	End
Thematic Group on City Platforms - Work Plan -	**07/07/20**	**16/09/21**
Scope discussion and objectives	07/07/20	20/07/20
Evaluation of the structure of the report, definition of wo	21/07/20	27/07/20
Validation of WG leaders and expert assignement	27/07/20	23/09/20
Working groups documents drafting	**24/09/20**	**04/02/21**
Working group 1 sections drafting	24/09/20	04/02/21
Working group 2 sections drafting	24/09/20	04/02/21
Working group 3 sections drafting	24/09/20	04/02/21
Working group 4 sections drafting	24/09/20	04/02/21
Main Document composition	05/02/21	16/03/21
València Delivery Report for review to U4SSC	17/03/21	18/05/21
ITU (Secretariat) Review & Corrections	19/05/21	14/06/21
UN Agencies Review & Corrections	15/06/21	12/07/21
Launching the deliverable – U4SSC Meeting 2022	13/07/21	16/09/21

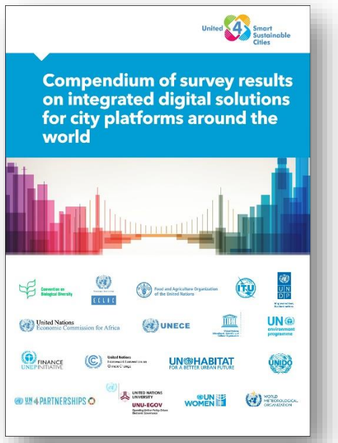




Each WG leader has been responsible for organizing their group meetings and their outcome document, as well as coordinating with the TG responsible and other WG leaders.

WG1 Digital Solutions for Integrated City Management & Use Cases

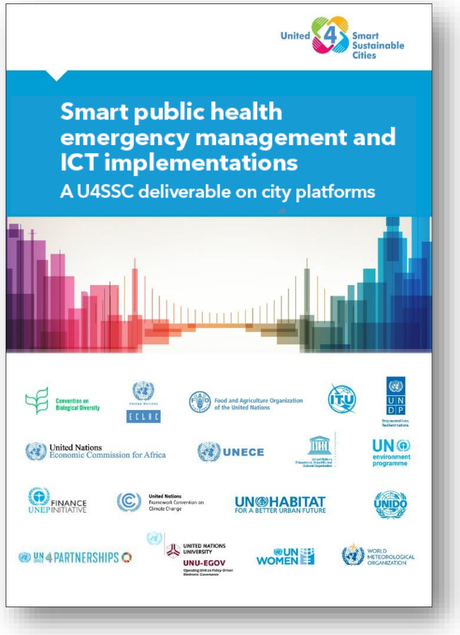
This report provides a global perspective on how **city platforms** facilitate more efficient and effective **control of public infrastructure and services**, improve economic efficiencies, enable rapid **development of new or complex services** and play a critical role in the overall **digital transformation** of urban areas.



Illustrated by success stories, this document presents the **experience of cities**, communities and municipalities participating in the U4SSC initiative in developing their smart city **strategies**, the **governance** of smart projects, and the principal **role of a smart city platform** (or set of key components that constitute it) in contributing **to improving the lives** of their citizens.

Leader TG & WG1
Ramón Ferri

WG2 Smart Public Health Emergency Management and ICT Implementations



This document explores the **context of public health** and the importance of **active surveillance mechanisms in the urban ecosystem** to enable emerging communications **for public health disasters** and the incorporation of IoT, AI and **data-driven frameworks to provide timely responses to epidemics and pandemics**, while **implementing generic public health operational processes** derived from the methodologies adopted for past crises.

This document concludes with a **smart public health framework**, which utilizes these tools, defines a pandemic lifecycle and specifies when mass surveillance tools are applied (for dealing with the outbreak).

Leader WG2
Leonidas Anthopoulos
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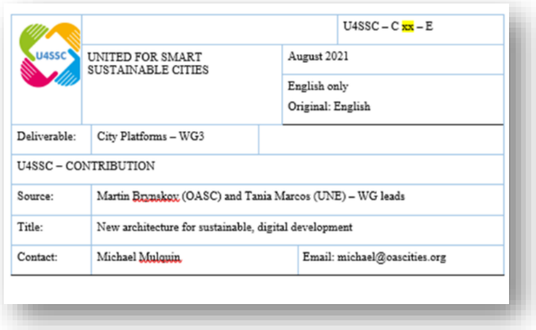
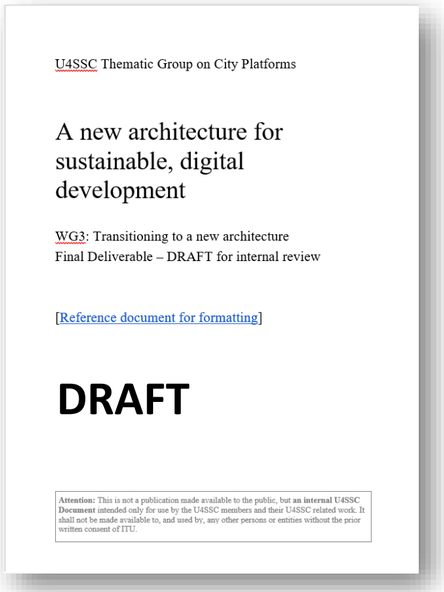
WG3 New Architecture for Sustainable, Digital Development



UNITED FOR SMART SUSTAINABLE CITIES	U4SSC – C xx – E	
	August 2021	
	English only Original: English	
Deliverable:	City Platforms – WG3	
U4SSC – CONTRIBUTION		
Source:	Martin Brynskov (OASC) and Tania Marcos (UNE) – WG leads	
Title:	New architecture for sustainable, digital development	
Contact:	Michael Mulquin	Email: michael@oascities.org



U4SSC Thematic Group on City Platforms

A new architecture for sustainable, digital development

WG3: Transitioning to a new architecture
Final Deliverable – DRAFT for internal review

[Reference document for formatting]

DRAFT

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This document provides **guidance** to government stakeholders on **setting up/procuring smart city platforms**. It illustrates the current **state-of-the-art of interoperable smart city platforms** and provides **recommendations for technical specifications**.

It shows how to **build capacity** in the use of the standards, mechanisms, services, guidelines and tools that **enable the interoperability of data platforms** for cities and communities, to **speed up the delivery of services** leading to innovation and positive local impact.

Leaders WG3

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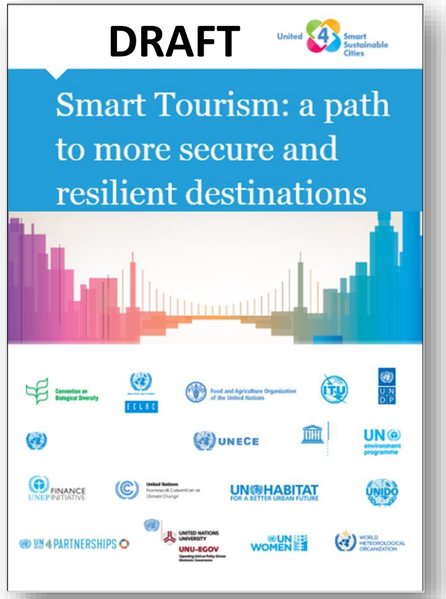
WG4 Smart Tourism: A Path to More Secure and Resilient Destinations



The smart tourism as a use case for future scenarios for next-generation of city platforms.

- **Digital transformation**, a vital partner for safe and resilient tourism
- The **smart tourism destination framework**
- Smart Tourism Technology Platform, the smart city platform for smart destination through a methodology based on **governance, Innovation, technology, sustainability and accessibility**.
- **Interoperability by design** for a distributed intelligence (inhabitants, tourists, companies, city managers)
- **Solutions and success use cases** on: Tourism spatial management; Promotion and tourist relations channels; Local service supply and demand management; Tourism intelligence

Leader WG4
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Lessons Learned

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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U4SSC website:

https://www.itu.int/go/u4ssc

Thank you!