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Overview of upcoming AASCTF training programs

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Agenda

[SUBHEADING]

- AASCTF capacity development
- Target audience, timing and registration deadline
- How to apply?

Networking and capacity development



E-learning



Open to all, city officials and stakeholders from AASCTF cities and abroad.

Course Overview

Your progress?

Increasing Livability: An Introduction to Smart Cities



Cities worldwide are engines of economic growth. They usher in opportunities, innovation, and prosperity. By 2050, Asia and the Pacific is expected to be home to two-thirds of the world's urban population. As it is, it already has 17 of the 33 megacities around the globe.

Despite the continuous growth, cities face enormous challenges, such as infrastructure deficits, inequitable access to basic services, lack of housing, traffic congestion, various types of pollution, and increasing impacts from climate change, among others. Local agencies and institutions are also struggling to keep pace with capacity and efficiency of their operations.

As a result, developing smart cities and applying smart solutions are increasingly seen as a way to address urban challenges and achieve livable cities.

This online course introduces the concept of smart cities in relation to livable cities or livability, providing a regional context and citing the trends that drive its growth. More importantly, participants will learn that simply using technologies is not the foundation of smart cities, nor smart solutions. The course demonstrates the approach toward smart livable cities, alongside the components of digitalization. To bring these together in a practical application, the course features an analytical framework that outlines the steps to implement smart city projects. Participants will appreciate the case studies integrated into the course, as well as the interactive portions and quizzes to instill the knowledge and lessons. By guiding the development of smart livable cities, participants of this course can help bring their cities closer to the desired goal of better quality of life for all citizens.

- Format: Self-paced
- Duration: Approx. 1 hour per module
- Language: English (soon to be available in other select languages)

? Need help?

Module 1 | The Livable City Dream: Addressing Asia's Rapid Urbanization with Next Practice Thinking and Smart Solutions

- Smart City
- The Four Elements of a Livable City
Smart City Visions and Strategies
- Smart Solutions
Urbanization: What it Means for Cities and People
- Challenges of Urbanization
Opportunities of Urbanization
Use Cases

Module 2 | Going Digital: The Enablers and Layers for a Data-Driven Smart City

- Main Trends Driving Smart Cities
- Key Enablers of a Smart City
- Layers of Digitalization
- Smart City Digital Opportunities in the ASEAN
- Case Studies

Module 3 | From Foundation to Application: How to Attain Smart Cities Guide based on ADB's Smart City Analytical Framework

- ADB's Smart City Analytical Framework
- Five Phases of Smart City Project Implementation
- Case Study: AASCTF Makassar Smart City Pilot Project
- Recommendations for Policy and Decision-makers
- Final Assessment

E-learning



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Module 1 | The Livable City Dream: Addressing Asia's Rapid Urbanization with Next Practice Thinking and Smart Solutions

- Smart City
- The Four Elements of a Livable City
- Strategies

SMART CITY

Plans for Cities and People

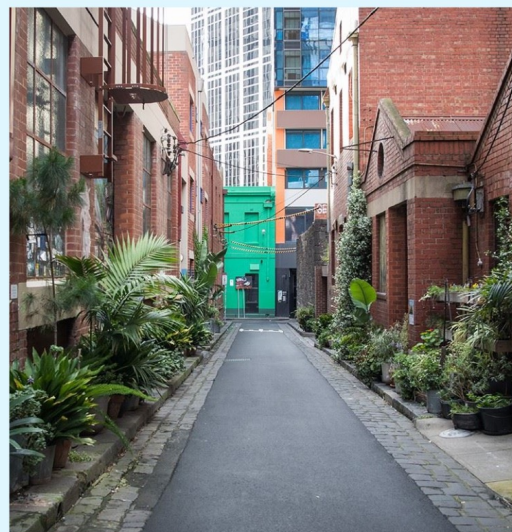
Course Overview

MELBOURNE CITY: AN EXAMPLE

Furthermore, citizens were brought into the planning, design and decision-making process to ensure that the remodelled areas were **inclusive**, respecting the unique interests and cultural expressions of the individual neighborhoods.

On the planning and decision-making side, the city accomplished this by developing an online interactive map that functioned as a citizen engagement tool. The map showed laneways that could be greened, based on the amount of sunlight they receive, exposure to wind and other physical characteristics. Citizens could then engage via the tool to nominate the next laneways that they would like to see greened.

CONTINUE



THE FOUR ELEMENTS OF A SMART LIVABLE CITY

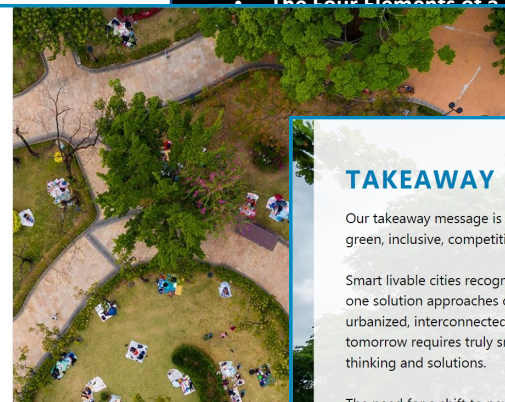
SMART LIVABLE CITIES ARE GREEN CITIES

Green cities prioritize sustainable development of the urban form and urban fabric, i.e., where economic growth happens in harmony with nature, social and cultural considerations, and qualities. To achieve green cities local governments should promote:

management;
action;
awareness raising;
economy;
and multimodal
encourage
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Green

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CHALLENGES OF URBANIZATION

Rapid urbanization comes with challenges. For every city the challenges are complex and unique. They are also highly interrelated and often compounding on one another.

Among the more common key challenges associated with rapid urbanization are:

Click on the titles to the right.

CONTINUE

TAKEAWAY MESSAGE

Our takeaway message is that a smart city is a livable city—one that is green, inclusive, competitive, and resilient.

Smart livable cities recognize that the top-down engineered, one problem-one solution approaches of the past are no longer valid. The highly urbanized, interconnected, and interdependent world of today and tomorrow requires truly smart, holistic, and systems-based next practice thinking and solutions.

The need for a shift to next practice thinking was in this module translated into practical terms through the elaboration of the Bishan Park and Melbourne use cases. Bishan Park today is a prime example of a multi-functional and multi-faceted smart solution which enhances livability, ticking all the boxes in terms of supporting Singapore to become green, inclusive, competitive, and resilient. Melbourne on the other hand shone a light on the importance of inclusion in both process and output, and the means by which smart digital solutions and holistic approaches can achieve this in a scalable manner.

CONTINUE

✓ Environment

Waste challenges

The accumulation of solid waste has reached a critical point, especially regarding plastic waste and emissions into the environment.

Social inequality



E-learning



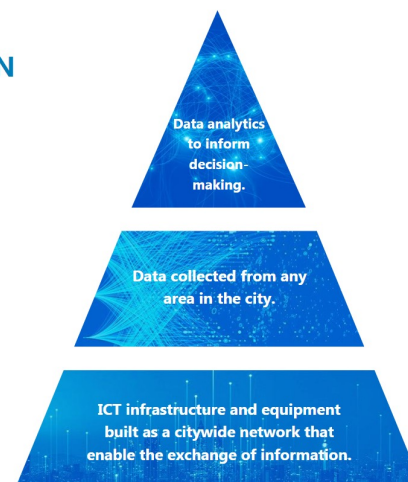
Open to all, city officials and stakeholders from AASCTF cities and abroad

LAYERS OF DIGITALIZATION

Although a smart city is not just about being digital, technologies and innovation are crucial in realizing a smart city. In the first module, we discussed that a smart city is identifying and using smart solutions that holistically integrate social, technical, and environmental aspects.

Let us take a **closer look at the different layers** of digitalization that comprise a smart city:

Click on each of the layers.



SMART CITY COURSE

Course Overview

Increasing Urban Resilience An Introduction to Smart Cities

Cities worldwide are engines of growth. Two-thirds of the world's urban population is expected to live in cities by 2050.

Despite the continuous growth, cities face various challenges such as congestion, various types of pollution, and limited capacity and efficiency of urban services.

As a result, developing smart cities and applying smart solutions are becoming essential for urban resilience.

This online course introduces the concept of smart cities and their growth. More importantly, participants will learn that smart cities demonstrate the approach toward smart livable cities. The course features an analytical framework that outlines the steps to develop a smart city, as well as the interactive portions and quizzes to instill knowledge. The course can help bring their cities closer to the desired goal of urban resilience.

- Format: Self-paced
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LAYERS OF DIGITALIZATION

In the previous interaction you saw that the layers of digitalization of a smart city are: Connectivity Layer, Data Layer and Intelligence Layer. We will soon demonstrate with two real-life examples how digitalization have been implemented to achieve the high-level objectives of a smart city (competitive, green, inclusive, and resilient), but first **let us take a closer look at what comprises a smart city.**

All digital urban services and applications are built upon these layers. It is, therefore, important that these layers are sufficiently protected by security protocols to ensure a secure and safe smart city ecosystem.

Security & Data Privacy

Citizen Engagement

All urban services and applications are built upon these layers. It is, therefore, important that the layers are sufficiently protected by security protocols to ensure a secure and safe smart city ecosystem.

Security and data privacy have emerged as intertwined challenges within the smart city context, warning of the potential personal privacy threats posed by smart city initiatives to citizens.

CONTINUE

IMPLEMENTATION

The implementation of a smart flood early warning system is an action towards supporting Baguio's vision of becoming a resilient and inclusive city.

Intelligence layer - the hydrologic and hydraulic model will allow Baguio City to warn the population in advance of flood events. The model will also allow the city to develop a flood mitigation action plan with long- and short-term measures, including nature-based solutions, so that the extent of flood damages and losses is prevented and/or minimized.

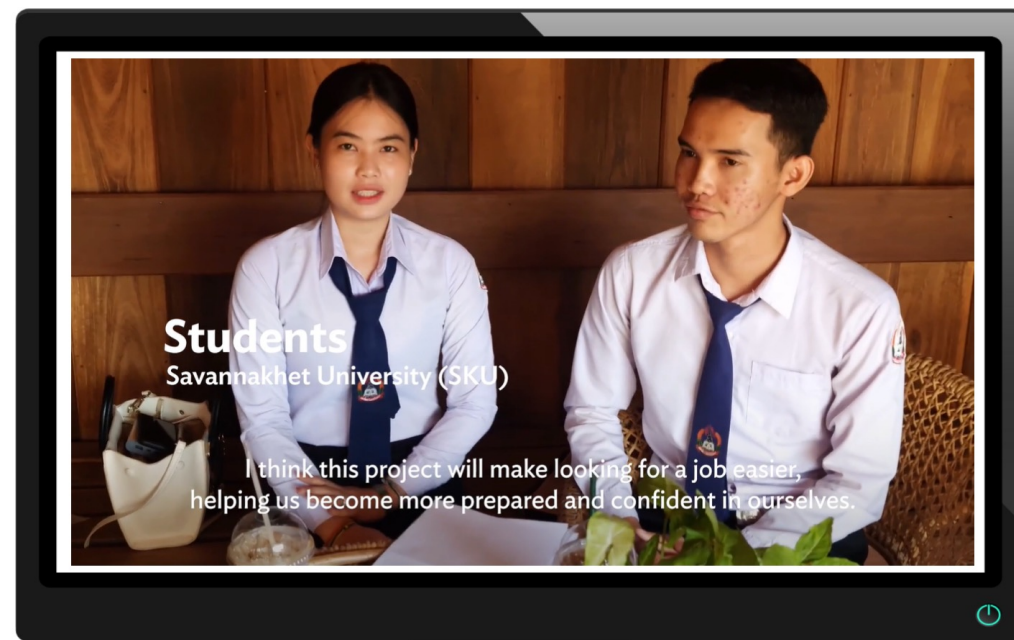
INTELLIGENCE LAYER

DATA LAYER

Data layer - real-time data sensors, historic water level and rainfall data, and satellite data to develop land cover maps.

Connectivity layer - the use of geographic information system (GIS) underpinning all geospatial mapping of collected data.

CONNECTIVITY LAYER



E-learning



Open to all, city officials and stakeholders
from AASCTF cities and abroad

FROM FOUNDATION TO APPLICATION

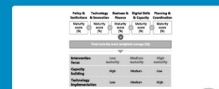
Start with Five Phases.



Introduction



Five Phases



Readiness Assessment



Course Overview

Increasing Livability: An Introduction to Smart Cities

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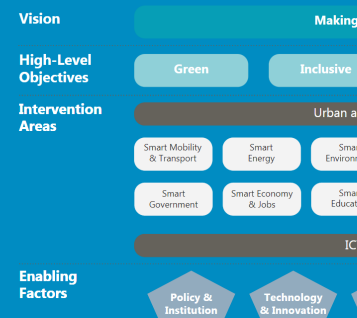
Despite the continuous growth, cities face enormous challenges, such as infrastructure congestion, various types of pollution, and increasing impacts from climate change, along with capacity and efficiency of their operations.

As a result, developing smart cities and applying smart solutions are increasingly seen as a way to address these challenges.

This online course introduces the concept of smart cities in relation to livable cities and economic growth. More importantly, participants will learn that simply using technologies is not enough. It demonstrates the approach toward smart livable cities, alongside the components of smart cities. The course features an analytical framework that outlines the steps to implement smart city projects, as well as the interactive portions and quizzes to instill the knowledge and lessons. By the end of the course, participants can help bring their cities closer to the desired goal of better quality of life for all citizens.

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CHAPTER 1 INTRODUCTION TO THE FRAMEWORK



Further, key performance indicators were evaluated for each intervention to identify:

Sectorial Benefit Values

Timeframe

Private Investment Attractiveness

Cross-Cutting Benefits Value

SMART CITY

Networking and capacity development

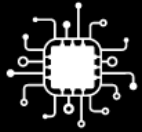


ASEAN
AUSTRALIA
SMART CITIES
TRUST FUND
Asian Development Bank

GUIDED LEARNING PROGRAM

bit.ly/AASCTF_GLP

FOCUS POINTS



Data Collection & Storage

Why collect data?
How to collect it?
Where does the data go?



Data Governance & Security

How to manage data?
How do we provide data access
while protecting citizens?



Analysis & Decision-Making

What are the common ways of
analyzing the data gathered?
How can I turn data into
actionable insights?

PROGRAM TIMELINE

Start of application

1 June 2022

Application deadline

5 July 2022

Application results

Early August 2022

Webinar 1

August 2022

Webinar 2

September 2022

Webinar 3

November 2022

Thematic Workshop

Climate Resilience/Nature-based Solutions

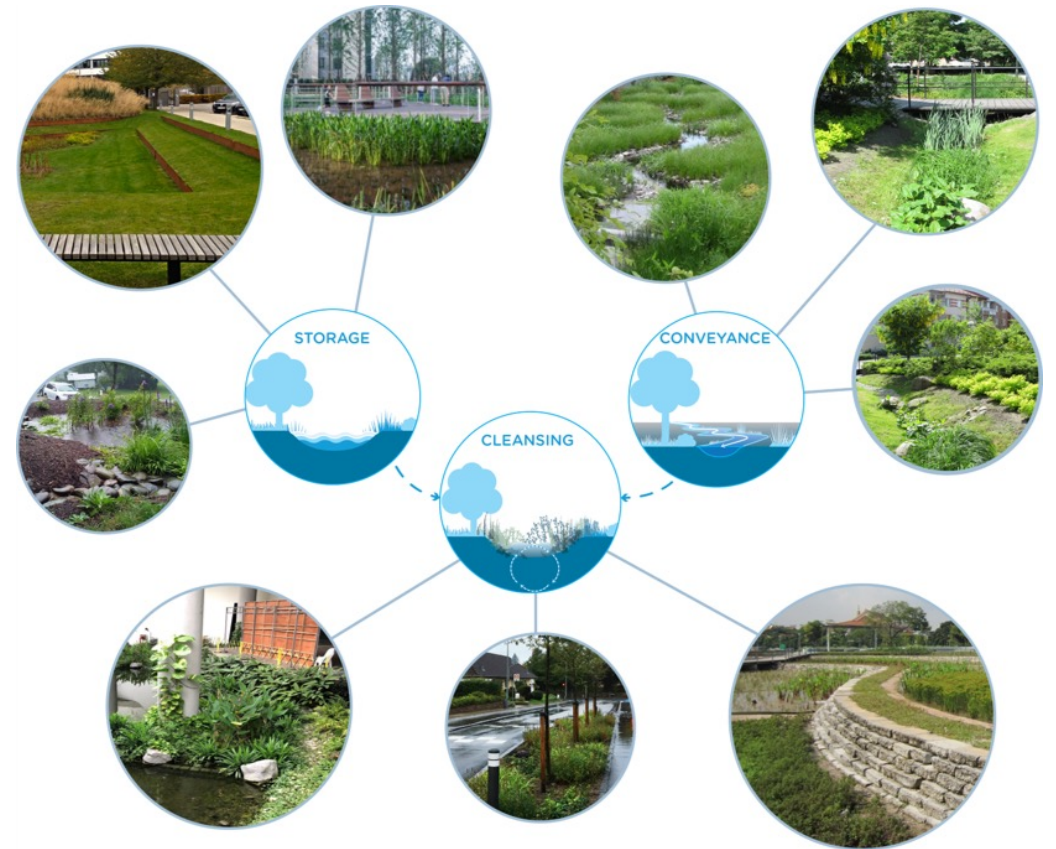
Objectives:

- The purpose of this workshop is to present an innovative approach to operationalize NbS in urban contexts. The approach is based on the selection and prioritization of specific NbS typologies to address identified urban challenges.
- Participants be active players and will learn about different NbS typologies, their values and limits as the types of contexts in which they apply.
- The workshop will be an opportunity to exchange knowledge and build capacities on NbS and their applicability to achieve urban resilience.

Target participants:

- Professionals working on urban planning, stormwater management, GIS, and/or climate adaptation. The participants could (but are not required to) have a background within urban architecture, environmental engineering, hydraulic engineering, or urban planning.

Nature-based Solutions have the potential to offer a triple win (societal, economic, natural) leverage to build climate-resilient urban spaces. Turning this potential into a reality will require hands-on, context-sensitive approaches.



Read more about the NbS course: bit.ly/AASCTF_NbS

Thematic Workshop

Smart City Financial Management (SCFM)

Objectives:

- This course will enable city officials to develop a roadmap for baseline needs and improved SCFM, including for stronger revenue growth.
- improved knowledge base and capability to identify and leverage opportunities, risks and potential changes for effective investment in and use of smart solutions in AASCTF cities.

Target participants:

- The workshop is designed for officials working on financial management, financial decision-makers, and for government staff involved in the finance department or ministry.



Read more about the SCFM course: bit.ly/AASCTF_SCFM

Target audience, Timing and registration deadline

AASCTF Activity	Target groups *	Timing	Registration Deadline
E Learning	Open to all, city officials and stakeholders from AASCTF cities and abroad.	From 1 st July onwards	No registration deadline
Webinars	Open to all, city officials and stakeholders from AASCTF cities and abroad	August, September, November	Registration 2-4 weeks prior
Thematic course: Nature-Based Solutions	~2-3 city officials from AASCTF cities (smart <u>environment</u> city champions), and other change agents within city planning, design and engineering	August – September 2022 (35 hours, over 3 weeks)	5 July 2022
Thematic course: Smart City Financial Management	~2-3 city officials from AASCTF cities (smart <u>finance</u> city champions), and other change agents within city finance and economy	September – October 2022 (20 hours, over 3 weeks)	5 July 2022
Guided Learning Program: Data Management	~2-3 city officials from AASCTF cities (smart <u>ICT</u> city champions), and other change agents within city data processing, analysis, and governance	August – December 2022 (40 hours, over 16 weeks)	5 July 2022

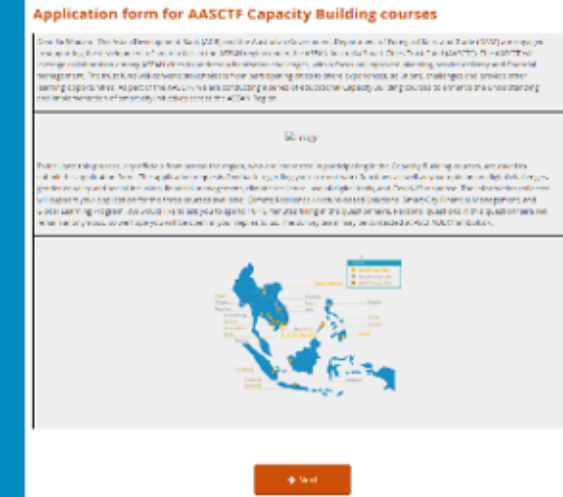
**Note: # participants are indicative in relation to city government official participation. In all cases, AASCTF capacity building/knowledge sharing activities will aim to be inclusive to broad governmental and non-governmental city actors and change agents, including academia, civil society, and private sector. Furthermore, across all activities AASCTF seeks to ensure good gender and other minority group representation and inclusion in activities and we appreciate city government support in this respect.*

How to apply?

Application form
bit.ly/AASCTFapply

Follow the link or the QR-code to sign up for the Guided Learning Program, the Nature-based Solutions Course or the Smart City Financial Management Course.

Deadline is 5th July 2022.





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