



INTRODUCTION TO ASEAN AUSTRALIA SMART CITIES TRUST FUND (AASCTF) ACTIVITIES

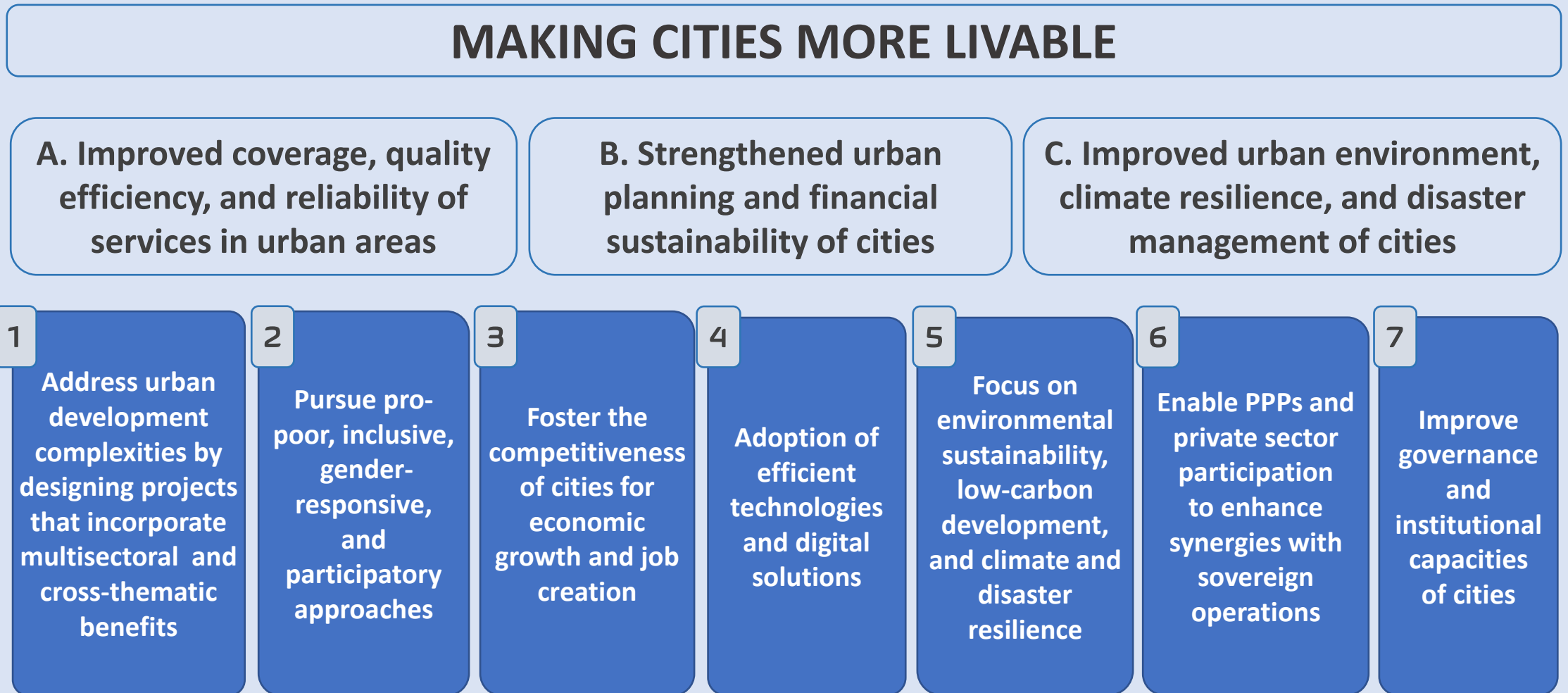
Zero Carbon City International Forum 2023

Asian Development Bank
March 2023



URBAN SECTOR DIRECTION

Toward Making Cities More Livable in Asia and the Pacific



Development Solutions

A. Improving inclusive and gender-responsive infrastructure and services



- Integrated urban water management
- Integrated solid waste management and the circular economy
- Adequate and affordable housing
- Accessible, reliable and efficient urban transport
- Clean and low-carbon urban energy
- Strengthened operational sustainability including improved O&M management



B. Strengthening cities' planning capacities, competitiveness, and financial sustainability



- Smart cities / efficient data-based systems / e-governance
- City-level plans to localize SDGs
- Municipal financial management
- Coordinated planning and governance for city regions, metropolitan regions, mega regions, and economic corridors
- Increased attractiveness of local investments and economic development
- Sustainable urban tourism and urban heritage conservation



C. Promoting climate resilience, healthy and environmentally sustainable cities



- Healthy, age-friendly, and resilient cities
- Low-carbon transformation and localization of NDCs to the UNFCCC
- Nature-based solutions
- Air quality management
- Scaled-up climate finance
- Disaster risk management



AASCTF Overview

PROJECT DURATION:
2019 - 2024

TOTAL FUNDING:
\$ 13.95 M
(A\$ 20 M)
23 cities in 7
ASEAN
countries

ADOPTING DIGITAL SOLUTIONS TO IMPROVE KEY FUNCTIONAL AREAS:



CITY
PLANNING
SYSTEMS



SERVICE
DELIVERY



FINANCIAL
MANAGEMENT

ADDRESSING CROSS-CUTTING THEMES:



GENDER
EQUALITY &
SOCIAL
INCLUSION



CLIMATE
CHANGE/
JUSTICE



PRIVATE
SECTOR
ENGAGEMENT

PROGRAM ACTIVITY WORKSTREAMS:



FOUNDATIONAL



IMPLEMENTING



INFLUENCING

OUTPUT

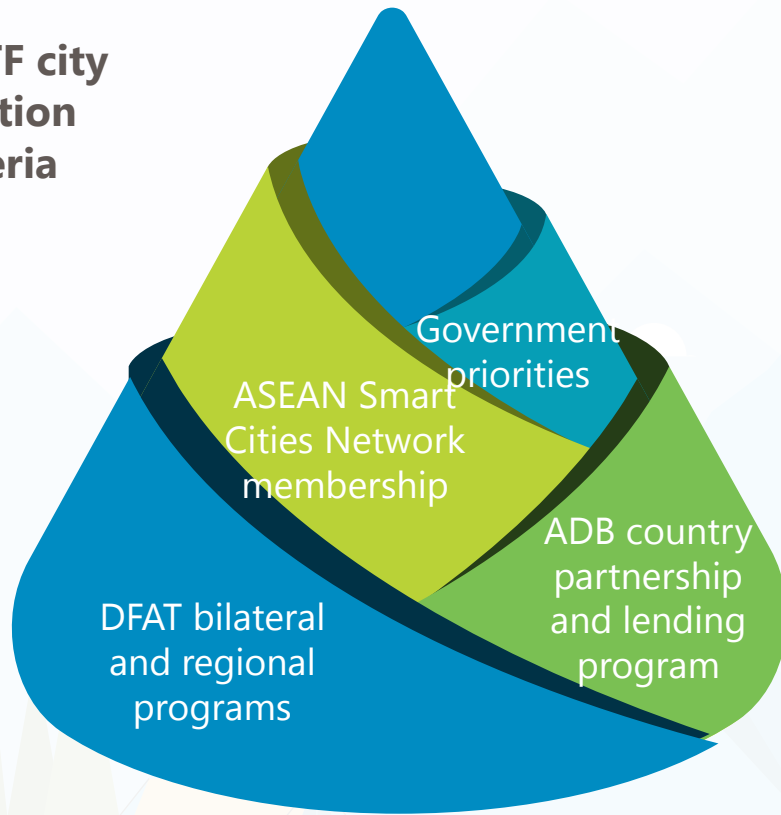
Capacity building
Partnership support
Investment capital

IDENTIFY


scalable & replicable
best practices in
ASEAN


City Selection


AASCTF city selection criteria




Task Order Implementation To-date

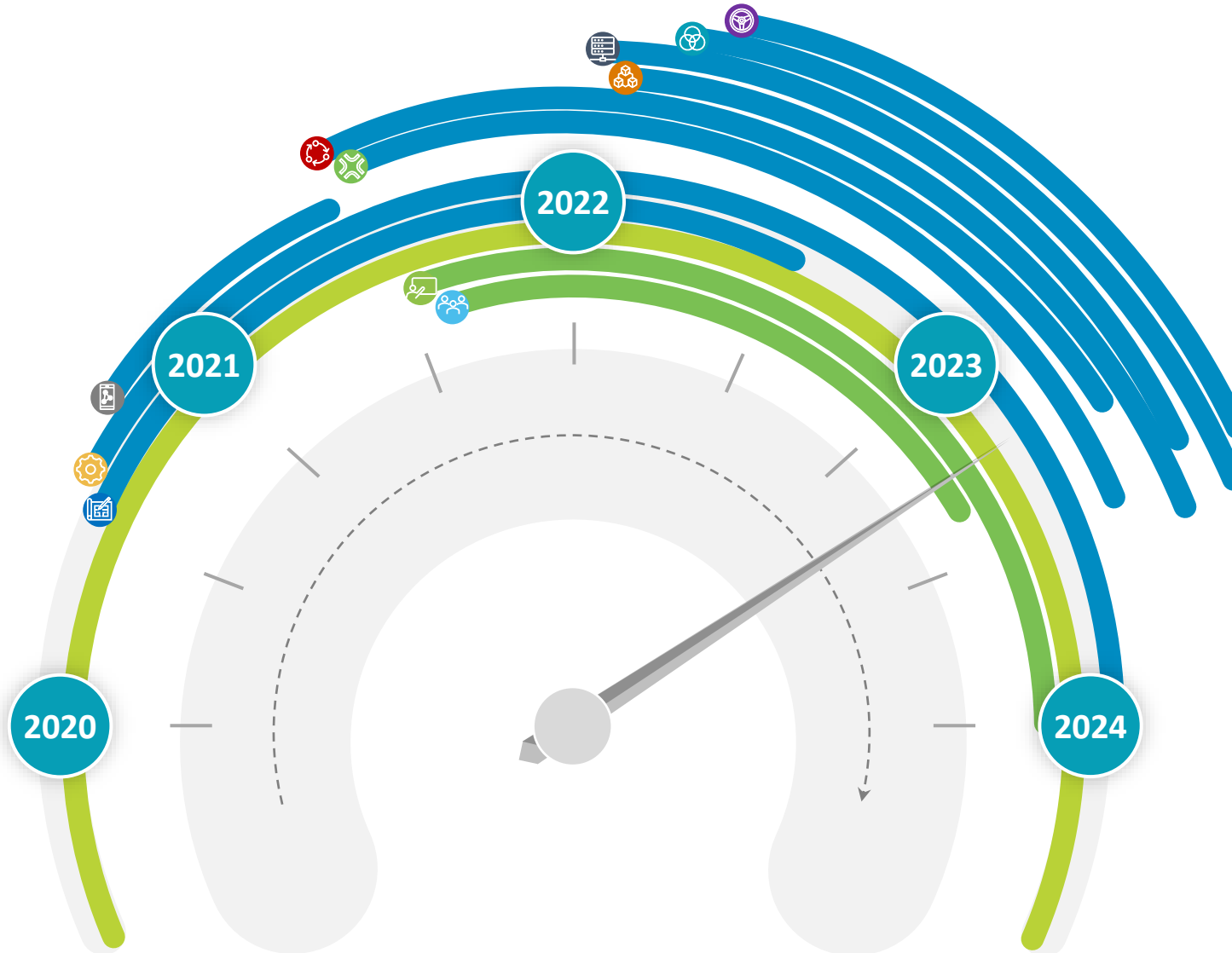
 **TO-07 Battambang (CAM)**
Smart Solid Waste Financial Management (Phase 1)

 **TO-06 Penang (MAL)**
Smart Mobility Micro-Simulation Model Development

 **TO-03 Kaysone (LAO)**
Enhanced Employment Service Platform with Matching Tool and E-Learning Modules (Phase 1)

 **TO-02/05 Baguio (PHI)**
Baguio City Smart Flood Warning, Information and Mitigation System /
Gender Transformative Approach for Strengthened Development, Application and Replication of the Baguio City FEWS

 **TO-01 Makassar (INO)**
Makassar Smart and Liveable Urban Development Framework



TO-10 Hue (VIE)
Smart Digital City Model for Master Planning



TO-11 EEC/Chonburi (THA)
City Visioning and Strategic Urban Data Platform Assessment



TO-12 Luang Prabang (LAO)
Integrated & Smart Tourism, Heritage and Urban Plan



TO-13 Davao (PHI)
Davao Bus Driver Training & Technology Study – Pilot Preparation & Implementation Support



TO-08 Regional
Baseline Development and Capacity Building for AASCTF Participating Cities



TO-09 Regional
Smart Cities–Inclusive Cities Capacity Building Programme for AASCTF Participating Cities



AASCTF 2022 Achievements/Selected Highlights from Ongoing City Interventions

BAGUIO, PHILIPPINES



Award Winning Baguio City Flood Early Warning, Information and Mitigation System Aug 2020 - Dec 2022

- Gender transformative Flood Mitigation Plan
- Set up of the Flood Early Warning System (FEWS) model
- Enhanced capacity building and On-the-Job (OTJ) Training
- Installation of water level stations
- Dissemination & Outreach Plan
- Developed actions for a Gender Transformative FEWS

PENANG, MALAYSIA



Providing a smart mobility micro-simulation model May 2021 – Apr 2023

- Traffic Surveys
- Stage 1 VISSIM transport modeling (including calibration and scenario modelling) of George Town pilot area
- Stage 2 VISSIM model upscale with superuser capacity building (underway)

BATTAMBANG, CAMBODIA



Supporting smart waste sector financial management (Phase 1) May 2021 – Dec 2022

- Waste sector diagnostics
- Smart ICT solution readiness assessment
- Pilot options analysis
- Phase 2 pilot intervention detailed scoping (underway) for populating a geo-referenced customer database and implementation of e-billing in one Sangkak (district)

Makassar, Indonesia



Smart solutions were embedded in interactive MLCP Aug 2020-June 2022 (completed)

- Urban situation assessment and development scenario
- Technical study reports
- Prioritization Tool (PowerBI dashboard, Excel-based prioritization analysis data)
- Stakeholder engagement platform
- CSIRO's INDRA Climate Resilience Platform

AASCTF 2022 Achievements/Selected Highlights from Ongoing City Interventions

Easter Economic Corridor, THAILAND



Supporting city visioning and data platform assessment Jan - Dec 2022

- Smart City Visioning with livability benefits and outcomes methodology and case studies
- Smart City ICT Data Platform Solutions Catalogue and Vendor Playbook

LUANG PRABANG, LAO PDR



Developing a smart and integrated urban strategy Feb 2022 - Jan 2023

- Stakeholder mapping and engagement
- Urban Assessment and Development Scenarios
- Urban Strategy & prioritization framework

DAVAO, PHILIPPINES



Supporting bus driver training & technology piloting Mar 2022 - Feb 2023

- Stakeholder mapping and engagement
- Functional Requirements Preliminary Evaluation & Shortlist prepared
- Demonstration of a virtual training simulator
- Holistic Training Program (underway)

HUE, VIET NAM



Developing a smart 3D city model for master planning Feb 2022 – Apr 2023

- Satellite imagery procured and tested and architecture of SDCM
- Draft Gap Analysis Report has significantly progressed
- Mission to Hue (September) was successful engagement and identified training, governance, implementation, data and use case requirements

ASEAN Australia Smart Cities Trust Fund 2022 Highlights



Trust Fund under Urban Financing Partnership Facility and SEUW REG TA 9554 SURF, established in 2019.

Varying smart and digital supports across 23 cities in 7 ASEAN countries



Completed and delivered the Makassar Livable City Plan



AASCTF 1st Networking Conference (with 154 participants)



Launch of 1st AASCTF e-learning course on ADB eLEARN



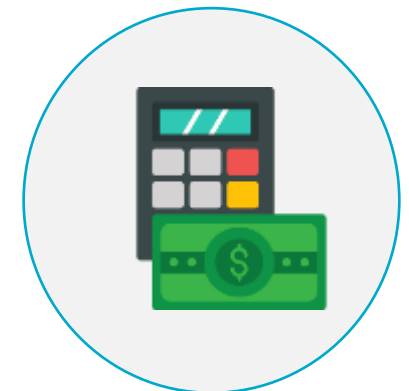
Conclusion of Inclusive Cities Dialogues and Final Inclusive Cities Event



External Midterm Review with DFAT



Developing Graduation Strategy and Beyond 2022 Strategy (ongoing)



Establishment of new KSTA for deepening of engagement/investment



AASCTF Communications & Knowledge Sharing Activities in 2022

– Active Links



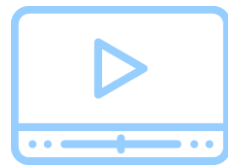
2
NEWSLETTERS
issued



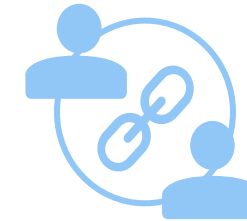
17
FLYERS
published
(includes translated flyers)



9
INCLUSIVE CITIES DIALOGUES
conducted



20
VIDEOS
produced



3
THEMATIC AND GUIDED LEARNING PROGRAMS
implemented



11
WEBINARS
organized
(includes 6 from the Networking Conference and 3 from the GLP webinar series)

2
AUDIOGRAMS
produced



10+
PROJECT REPORTS
published

Please control+click icons for URL links.

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AASCTF ADDITIONAL MATERIALS

AASCTF Introduction videos (in various languages):

<https://www.youtube.com/playlist?list=PLPxNo8faAY83FYxneelZCfdBdoGWdIVdI>

ASEAN Australia Smart Cities Webinar Series (2020-2021):

<https://events.development.asia/learning-events/asean-australia-smart-cities-webinar-series>

AASCTF Guided Learning Program Webinar Series (2022):

<https://events.development.asia/learning-events/aasctf-guided-learning-program-webinar-series>

AASCTF Introduction flyer

<https://events.development.asia/materials/20210526/aasctf-introduction-flyer>

AASCTF Twinning flyer

<https://events.development.asia/materials/20210406/aasctf-twinning-flyer>

AASCTF Networking flyer

<https://events.development.asia/materials/20210315/aasctf-networking-flyer>

AASCTF Annual Progress Report 2019

<https://events.development.asia/materials/20200501/aasctf-annual-progress-report-2019>

AASCTF Annual Progress Report 2020

<https://events.development.asia/materials/20210326/aasctf-annual-progress-report-2020>

AASCTF Annual Progress Report 2021

<https://events.development.asia/materials/20220331/aasctf-annual-progress-report-2021>

Baguio FEWS Project flyer

<https://events.development.asia/materials/20220325/aasctf-project-flyer-delivering-smart-and-socially-inclusive-flood-early-warning>

Thank you!



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