ASEAN AUSTRALIA SMART CITIES TRUST FUND
Asian Development Bank

Australian Government
Department of Foreign Affairs and Trade

ADB

SMART CITY NETWORKING DAYS 2022

FROM TECHNO-CENTRIC TO PEOPLE-CENTRIC

21-22 JUNE 2022

NETWORKING EVENT REPORT

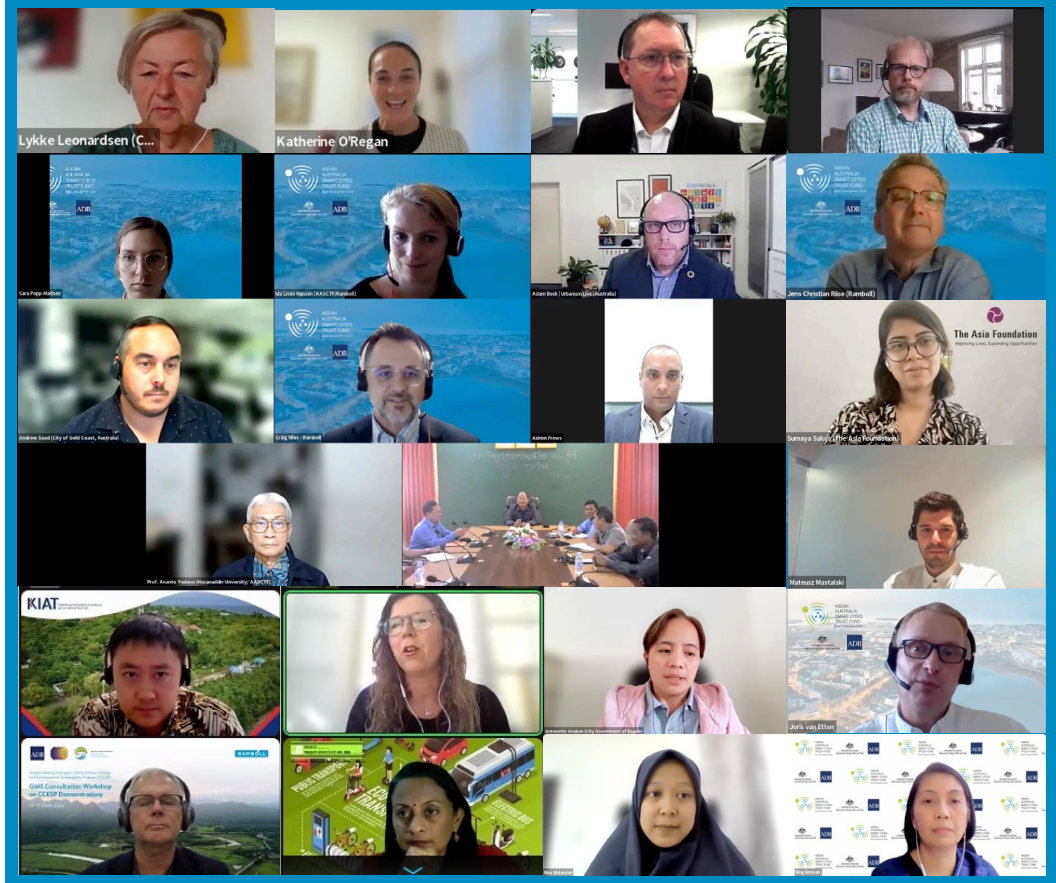
Project name	REG: Baseline Development and Capacity Building for ASEAN Australia Smart Cities Trust Fund (AASCTF) Participating Cities
Project no.	1100040737-008
Recipient	ADB
Document type	Report
Version	FINAL
Date	17 August 2022
Prepared by	Jens Christian Riise, Kristine Lucero, Elga Reyes
Checked by	Craig Niles, Hillarie Cania
Approved by	Antony Gibson

EVENT OVERVIEW

EVENT OVERVIEW

AASCTF supports ASEAN cities that have a strong vision to transform their cities and become pioneers in developing and executing holistic smart city plans and strategies that prioritize livability. This two-day virtual networking event served as a platform to showcase ideas, approaches, digital solutions, and lessons learned from our ongoing pilot projects in Indonesia, Malaysia, and the Philippines, as well as use cases from partners in Australia and Europe. It was also an opportunity for participants to learn from and meet with peers working on smart city development across the ASEAN region and explore opportunities for collaboration.

Sessions during the event focused on smart city planning, smart mobility, strengthening urban resilience, and increasing institutional capacity in cities. Various stakeholders ranging from local government officials and city managers working in the areas of urban planning systems, urban service delivery and/or financial management to the private sector, international financial institutions, multilateral organizations, non-government organizations, members of the academe, and urban development and smart city practitioners joined the conference.



SESSIONS

The event was bookended by two inspirational sessions, which set the scene and wrapped up the discussion respectively.

These were followed by various thematic sessions focused on smart city planning, smart mobility, strengthening urban resilience, and increasing institutional capacity in cities.

Various stakeholders ranging from local government officials and city managers working in the areas of urban planning systems, urban service delivery and/or financial management, the private sector, international financial institutions, multilateral organizations, non-government organizations, members of the academe, and urban development and smart city practitioners participated during the two-day event.

Time (GMT+8)	Tuesday, 21 June 2022		Time (GMT+8)	Wednesday, 22 June 2022	
2:00 PM – 2:30 PM	**Opening session** Smart livable cities		2:00 PM – 3:30 PM	**Thematic Session 3:** How digitalization can help create resilient and inclusive cities	**Thematic Session 4:** How digitalization can help improve smart city knowledge and capacity
2:40 PM – 4:10 PM	**Thematic Session 1:** How digitalization can support smart city planning	**Thematic Session 2:** How digitalization can reduce traffic congestion	3:40 PM – 4:10 PM	**Closing session** Inclusive cities	

ACKNOWLEDGEMENT

This event would not have been possible without the participation of our speakers from various organizations, who have graciously shared their time and expertise. We are grateful for their support.

The conference was organized with the support of the Asian Development Bank and the Government of Australia through the Department of Foreign Affairs and Trade (DFAT).

ASEAN AUSTRALIA SMART CITIES TRUST FUND
Asian Development Bank

Australian Government
Department of Foreign Affairs and Trade

ADB

RAMBOLL

Henning Larsen

CITY OF COPENHAGEN

UN HABITAT

GOOD DEED consulting

PRACTICAL ACTION Consulting

Urbanism. Live
The platform exploring the edges of digital, data and urbanism.

CITY OF PERTH

CITY OF GOLDCOAST.

Cities Leadership Institute

CITY OF BAGUIO 1909

KIAT
KEMITRAAN INDONESIA AUSTRALIA UNTUK INFRASTRUKTUR

The Asia Foundation

SESSION SUMMARIES

OPENING SESSION

SMART, LIVABLE CITIES

21 JUNE (TUESDAY), 2:00 – 2:30 P.M. GMT+8

JENS CHRISTIAN RIISE
Communications & Outreach Expert
AASCTF/Ramboll

LYKKE LEONARDSEN
Head of Program for Resilient and Sustainable Cities
City of Copenhagen

KATHERINE O'REGAN
Executive Director
Cities Leadership Institute

OPENING SESSION SUMMARY

The opening session presented inspirational examples of the smart city development journey of livable and resilient cities from Australia and Denmark.

The conference opened with an inspirational session on Smart, Livable Cities, where Ms. Lykke Leonardsen, the City of Copenhagen's Head of Program for Resilient and Sustainable Cities, spoke about the city's work on adaptation and resilience, and its journey to becoming a smart and resilient city. She shared Copenhagen's vision of working with all city stakeholders to co-create the most livable city in the world, and how the city will deliver this to future generations in terms of climate action, carbon emissions reduction, and resiliency. She further underscored the value of understanding what matters to their city stakeholders, and how this influences their planning.

Ms. Leonardsen's presentation was followed by Ms. Katherine O'Regan, Executive Director of the Cities Leadership Institute, who shared some highlights from Australia's smart city journey from the perspective of the cities of Adelaide, Prospect, the Sunshine Coast, and Townsville. She highlighted the bold leadership and cultural change needed within organizations and governments to implement smart city solutions, as well as the reality that not all organizations have the skills and capacity to do so. She also emphasized the importance of bold leadership from government, business, and the community, as well as the role of collaboration and partnership in the co-creation of smart cities. She also shared the need to think about the resilience of more regional or rural areas, as illustrated by people moving to these areas from populated cities during the COVID-19 pandemic.

KEY TAKEAWAYS:

- **Co-creation and strong leadership is a necessity for smart city development to move forward.**
- **A new trend is emerging, where people are moving back to rural areas.**
- **There exists a need for rethinking traditional urbanization and community resilience.**

DA **Download session agenda, speaker bios, PPTs & audience poll results on ADB Knowledge Events**

Session recording

SESSION 1

HOW DIGITALIZATION CAN SUPPORT SMART CITY PLANNING

21 JUNE (TUESDAY), 2:40 – 4:10 P.M. GMT+8

CRAIG NILES
Task Team Leader, AASCTF/Ramboll

ANANTO YUDONO
Lecturer, Hasanuddin University and Deputy Task Team Leader, AASCTF

ADAM BECK
Owner/Host, Urbanism.Live and Director, Centre for Urban Innovation

ANDREW SAAD
Economy Planning and Environment Directorate, City of Gold Coast

ADRIEN FREW
A/Team Leader Strategic Policy, City Planning Branch, Economy, City of Gold Coast

SESSION 1 SUMMARY

Session 1 zeroed in on how digitalization can support smart city planning and facilitated a dialogue on the obstacles and ways forward in the development, implementation and sustainability of smart city development tools.

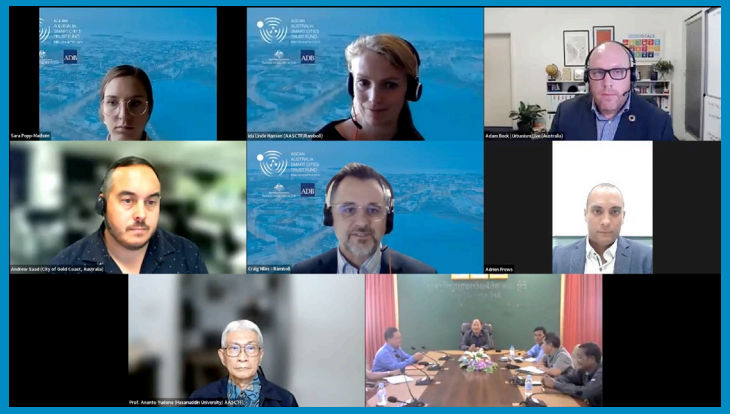
The session kicked off with a presentation from Professor Ananto Yudono, who shared the work that was done by the AASCTF together with the City of Makassar, Indonesia in the development of the Makassar Livable City Plan (MLCP). The MLCP is a suite of data-driven digital tools will allow government agencies to collaborate and prioritize investments to pursue smart interventions using an informed, evidence-based approach. The Plan considers a holistic examination of the city's needs and challenges, as well as the views of citizens, putting forth a strategic framework for smart urban development.

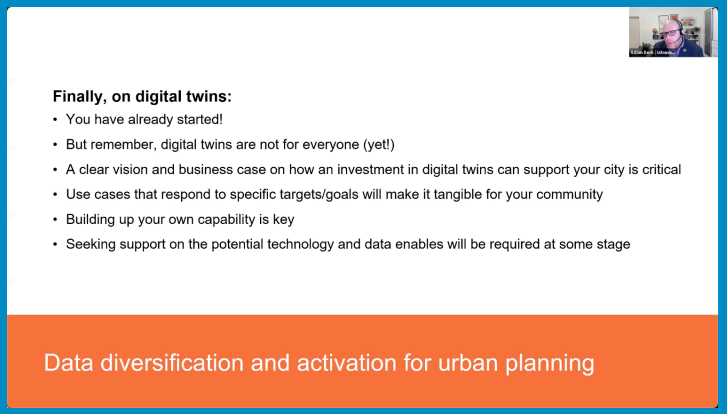
Professor Yudono's presentation was followed by Adam Beck from the Centre for Urban Innovation, who shared a presentation on the concept of digital twins, one of many emerging tools that can be a powerful platform that can help city planners and governments in planning and renewing cities. He also emphasized the importance of setting specific goals and targets to help determine whether investing in the development of a digital twin can support a city's urban planning practices and make these goals tangible and truly beneficial for the community.

The final presentation was given by Andrew Saad and Adrien Frew from the City of Gold Coast Council, who shared the city's approach to urban and strategic city planning, and the importance of data to support better city planning better decisions. Their presentation also demonstrated the power of an integrated data ecosystem that works hand-in-hand with regulation.

KEY TAKEAWAYS:

- **Integrated data-driven city planning and facilitated dialogue are cornerstones in smart city development and transparent, inclusive decision-making.**
- **Data and regulations need to go hand-in-hand.**





Download session agenda, speaker bios, PPTs & audience poll results on ADB Knowledge Events

Session recording

SESSION 2

HOW DIGITALIZATION CAN REDUCE TRAFFIC CONGESTION

21 JUNE (TUESDAY), 2:40 – 4:10 P.M. GMT+8

SOREN HANSEN
Urban Planner
AASCTF/Henning Larsen

RICHARD SPROSEN
Market Manager and Task Team Leader, AASCTF/Ramboll

MARIANNE WEINREICH
Market Manager, Smart Mobility, Ramboll

YALE WONG
Lead Adviser, Urban Mobility, Indonesia Australia Partnership for Infrastructure (KIAT)

SESSION 2 SUMMARY

Session 2 focused on how digitalization can support smart mobility to reduce traffic congestion and facilitated a dialogue on how digital tools can be used for smart mobility planning, as well as the challenges and ways forward.

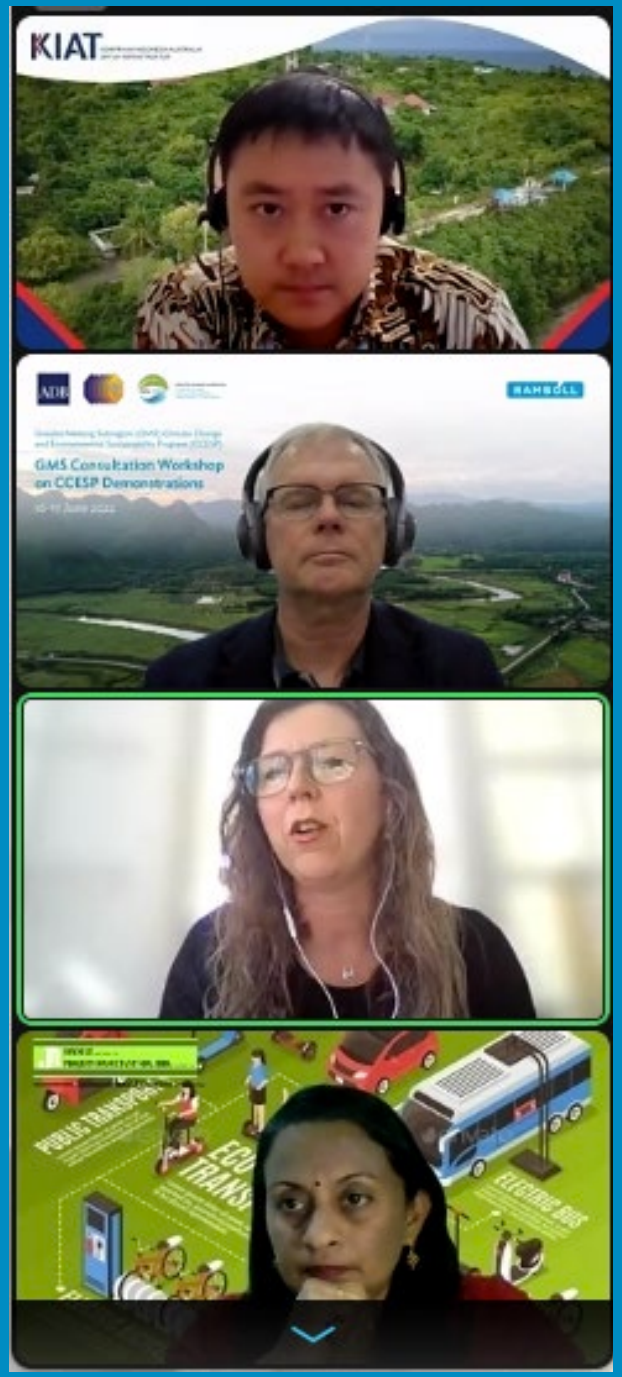
The session started with a presentation from Richard Sprosen, the Team Leader of the Penang Smart Mobility Micro-Simulation Model Development project currently being undertaken with Digital Penang and MBPP in Malaysia under AASCTF. This micro-simulation model study tests and trials the interventions of different policies and designs to help evaluate and communicate the implications of transport policies and solutions to decision-makers, developers, and the public.

This was followed by a presentation from Marianne Weinreich from Ramboll and the Cycling Embassy of Denmark, who highlighted the main findings of their team's study on gender and mobility in a number of capital cities in Europe. She emphasized that gender is one of the most robust determinants of transport choice, and shared some insights from their focus group interviews of women, which revealed common strategies when using public transport due to their fears and experiences of harassment. This underlined the need for safer transport infrastructure, as well as technology's role in making transport and mobility easier and safer.

The final presentation was made by Yale Wong from the Indonesia Australia Partnership for Infrastructure, who shared the Indonesian context of sustainable urban mobility planning. He underscored the big question around how cities can harness the greater good of technology, ensuring that digital disruption results in net benefits for people.

KEY TAKEAWAYS:

- **Digital models are important tools in supporting scenario development for decision makers in mobility planning.**
- **Gender and social issues must be thoroughly considered in an inclusive dialogue process, to ensure that all public transportation users feel safe.**



DA **Download session agenda, speaker bios, PPTs & audience poll results on ADB Knowledge Events**

Session recording

SESSION 3

HOW DIGITALIZATION CAN HELP CREATE RESILIENT AND INCLUSIVE CITIES

22 JUNE (WED), 2:00 – 3:30 P.M. GMT+8

BING BONOAN
National Focal Point
(Philippines)
AASCTF

ANTONETTE ANABAN
Assistant City Planning
& Development
Coordinator/ OIC,
CDRRMO, City
Government of Baguio

ALISON SNEDDON
Disaster Risk Reduction
Advisor
Practical Action
Consulting

TIFFANY M. TRAN
Human Settlements
Expert (Consultant)
Asian Development
Bank

RINA WULANDARI
Urban Data Analyst
(Consultant)
Asian Development
Bank

SESSION 3 SUMMARY

Session 3 focused on how digitalization can help create resilient and inclusive cities and facilitated a dialogue on how digital tools can improve resiliency and inclusive actions, as well as the challenges and ways forward.

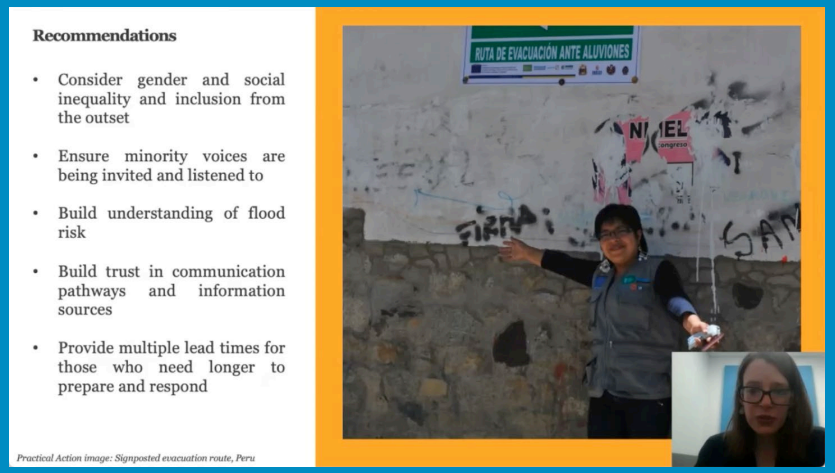
Antonette Anaban from Baguio's City Disaster Risk Reduction and Management Office started off the presentations. Ms. Anaban outlined Baguio City's climate-related challenges and current smart city initiatives, including the Baguio Smart Flood Warning, Information and Mitigation System project under the AASCTF. The project aims to improve community disaster preparedness, awareness and ensuring ownership to enhance urban resilience, with the development of a smart flood early warning system, real-time water level data capture, and flood mitigation action plan as part of the project's deliverables.

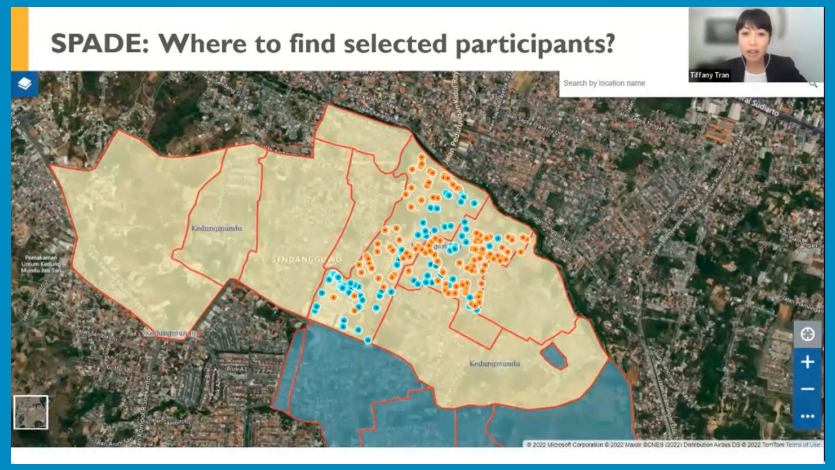
Alison Sneddon of Practical Action talked about why gender and social inclusion matters for early warning, and provided a quick overview of the study conducted under the AASCTF in connection to the Baguio Smart Flood Warning, Information and Mitigation System project. She also highlighted a number of recommendations developed as part of the study, and how these recommendations are being taken forward.

Ms. Tiffany M. Tran, a Human Settlements Consultant, Asian Development Bank, presented a rapid assessment survey of the livability profiles of Pontianak and Semarang in Indonesia. Tiffany shared some of the challenges their team faced with the rapid assessment survey-- specifically, how to do it in an inclusive manner. She also presented some of the digital tools that their team used: the Spatial Data Analysis Explorer (SPADE), developed by ADB; and Kobo Toolbox, a suite of tools for field collection of data, specifically in challenging environments where there's little to no internet connection.

KEY TAKEAWAYS:

- **A variable suite of communication and dialogue tools are crucial to reach women and vulnerable groups in planning and execution of city development activities.**





Download session agenda, speaker bios, PPTs & audience poll results on ADB Knowledge Events

Session recording

SESSION 4

HOW DIGITALIZATION CAN HELP IMPROVE SMART CITY CAPACITY DEVELOPMENT ACROSS THE ASEAN

22 JUNE (WED), 2:00 – 3:30 P.M. GMT+8

CRAIG NILES
Team Leader
AASCTF/Ramboll

JOHN HAWKE
Economic Development Officer, Smart Cities, Resources & Energy, City of Perth

JENS CHRISTIAN RIISE
Communications & Outreach Expert
AASCTF/Ramboll

HENRIK BREGNHØJ
Learning & Environment Consultant,
Good Deed Consulting

SESSION 4 SUMMARY

Session 4 introduced new online capacity development activities in Southeast Asia, Australia, and other regions, and facilitated a dialogue on the needs for capacity building on smart city and digitization themes across the ASEAN region.

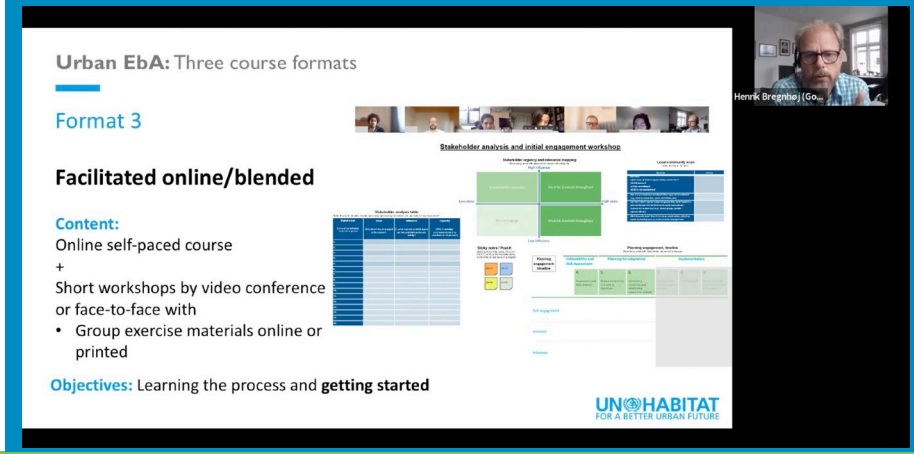
The session started with a presentation from John Hawke from the City of Perth (Australia), who shared some of the work that they are doing under the city's twinning program under AASCTF with the City of Baguio (Philippines). The twinning program between these two cities aim to increase the capacity and knowledge of professionals in Baguio to pursue holistic smart city initiatives and foster long-lasting partnerships with counterparts in Perth. Mr. Hawke also demonstrated some of the smart digital tools that is currently in use across the City of Perth and how the city is sharing information and knowledge about these tools with their Baguio City counterparts.

This was followed by a presentation from Jens Christian Riise, who gave an overview of the work being done under AASCTF through its capacity building stream. This includes the smart city Introduction course offered under ADB's eLearn platform, as well as the various thematic workshops on data management, nature-based solutions, and smart city financial management.

The last presentation was given by Henrik Bregnhøj of Good Deed Consulting, who gave an overview of UN-Habitat Learn, UN-Habitat's online learning platform on sustainable urbanization launched in 2020. He also shared more information about their new course offering, an online Urban Ecosystem-based Adaptation course that aims to help participants to design and implement a strategy and actions for an Urban Ecosystem-based Adaptation intervention.

KEY TAKEAWAYS:

- **Capacity development in post-COVID digital era requires new skills and approaches for on-line learning platforms and E-learning.**
- **Face-to-face dialogues and Q&A sessions remain important approaches to facilitate the learning processes.**
- **Targeting approaches and subject matter to the audience is important regardless of the communication method.**



Download session agenda, speaker bios, PPTs & audience poll results on ADB Knowledge Events

Session recording

CLOSING SESSION

INCLUSIVE CITIES

22 JUNE (WED), 3:40 – 4:10 P.M. GMT+8

JENS CHRISTIAN RIISE
Communications & Outreach Expert
AASCTF/Ramboll

JORIS VAN ETTEN
Senior Urban Development Specialist,
Asian Development Bank

SUMAYA SALUJA
Inclusive Governance Specialist,
The Asia Foundation

MATEUSZ MASTALSKI
Associate Design Director, Urbanism
Henning Larsen

CLOSING SESSION SUMMARY

The closing session wrapped up the learnings from the 2-day conference and presented two inspirational examples of inclusion activities in cities in Australia and Europe.

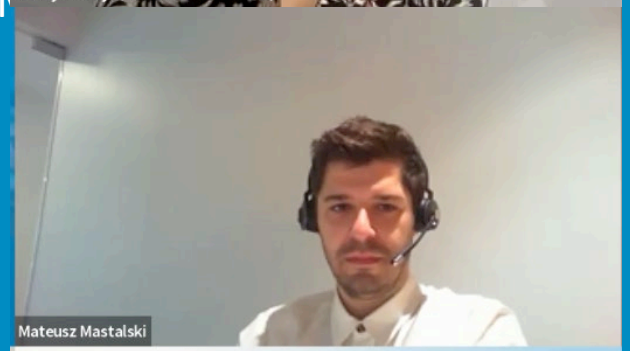
ADB's Joris Van Etten gave a brief reflection and summary of the learnings from previous sessions. He highlighted that while the format of this 2-day event may not be conventional, he expressed hope that the more concise and targeted format demonstrates AASCTF's openness to consider new ideas and eagerness to take bold steps to drive smart cities grow forward.

Sumaya Saluja from The Asia Foundation (TAF) followed Mr. van Etten's presentation by laying the context of some of the work being undertaken by TAF under the AASCTF's Inclusive Cities Dialogues program, and why inclusion is important. The program is designed around a series of issue- specific dialogues to deepen participants' collective understanding on inclusion-related challenges, while at the same time energize a network of reformers, activists and practitioners to build momentum for inclusive reform in their own cities.

As the final presenter of the session, Mateusz Mastalski from Danish architectural firm Henning Larsen gave a presentation on inclusive European cities and designing for living systems. Through a design study in the city of Copenhagen, he highlighted that the old way of developing cities is long gone, and that there is a need to change people's mindsets completely. He also underscored the importance of not only building communities, but also being part of the larger ecosystem where people live and work together with nature.

KEY TAKEAWAYS:

- **Delivering smart livable cities in the context of complex urban challenges, relies on fostering ideation and innovation through sharing experiences and expertise.**
- **Inclusion through targeted and open dialogues is key to developing inclusive and livable cities, where people thrive and prosper in closer connection with nature.**



Download session agenda, speaker bios, PPTs & audience poll results on ADB Knowledge Events

Session recording

ATTENDEE & EVALUATION INSIGHTS

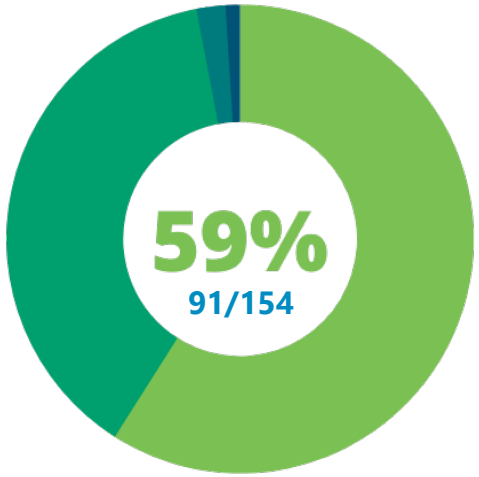
ATTENDEE INSIGHTS

TOTAL REGISTRATIONS	264
TOTAL ATTENDEES	154
ATTENDANCE RATE	58%

TOP 3 MOST REPRESENTED COUNTRIES
PHILIPPINES (52%)
INDONESIA (8%)
CAMBODIA (7%)

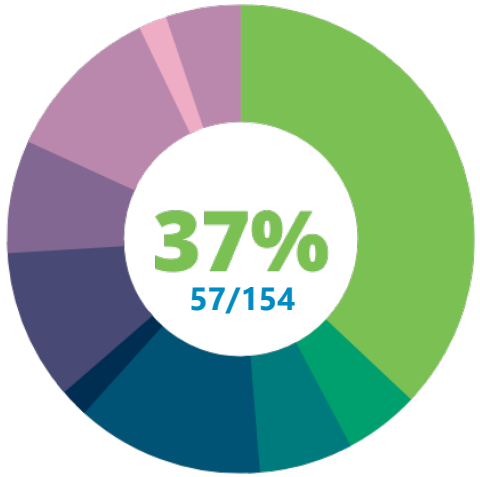
TOP 3 MOST REPRESENTED CITIES
BAGUIO (26%)
DAVAO (8%)
LUANG PRABANG (4%)

GENDER



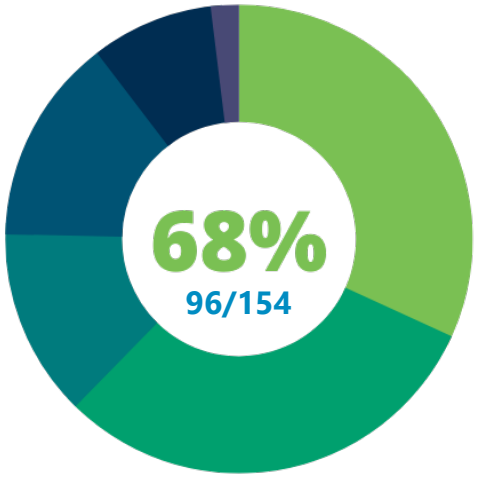
of attendees were male
(38% or 59 attendees were female).

MOST REPRESENTED SECTOR



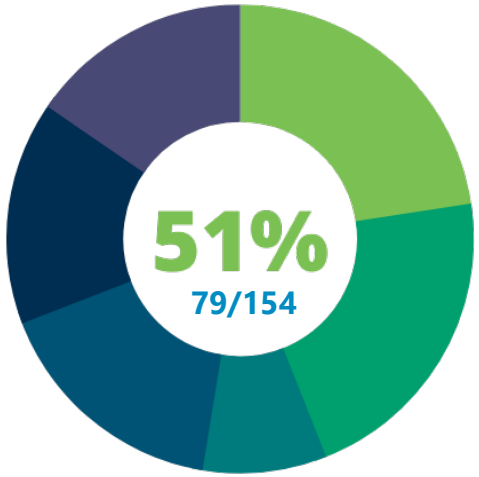
of attendees were from the city/municipal government (attendees from education institutions were the second largest group at 13% or 20 attendees).

BY # OF SESSIONS JOINED



of attendees joined more than one session (32% or 49 attendees joined only one session, while only 2% or 3 attendees joined all 6 sessions).

MOST JOINED SESSION

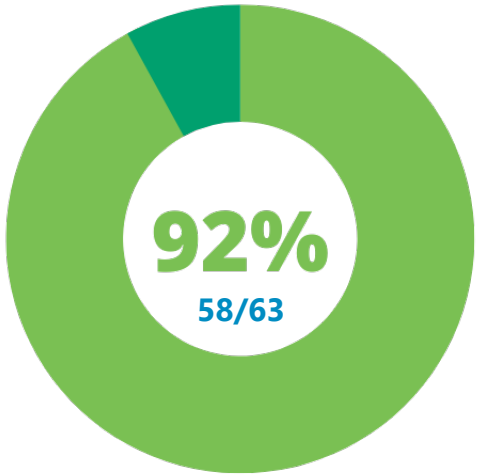


of attendees joined the Opening Session (Session 1 was the next most joined session with 49% or 75 attendees joining).

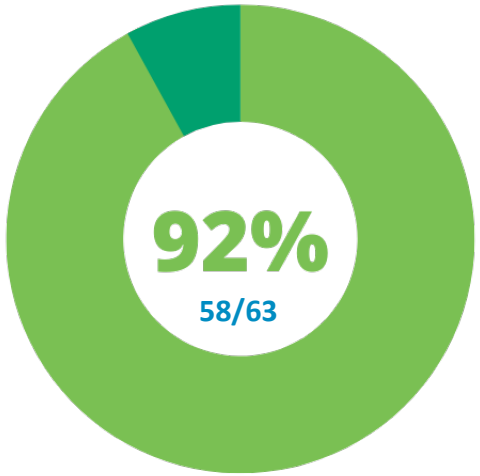
EVALUATION INSIGHTS

TOTAL # OF RESPONSES RECEIVED

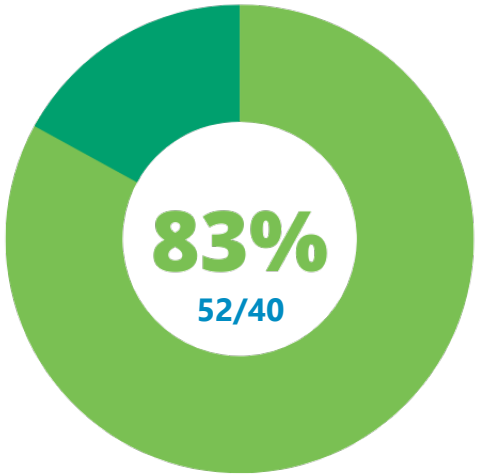
OVERALL FEEDBACK



of respondents indicated that their work and practices will change due to the knowledge they gained from the event.



of respondents indicated that their awareness, knowledge, and/or capacity in digitalization and smart city development has increased.

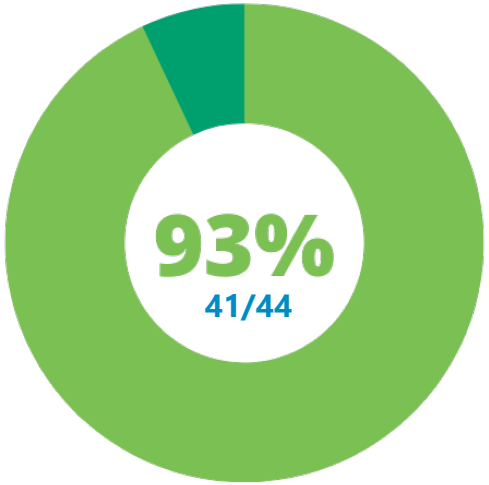


of respondents indicated that they are extremely likely/likely to recommend future AASCTF events to a colleague/peer.

EVALUATION INSIGHTS

Of the 44 respondents
who rated the

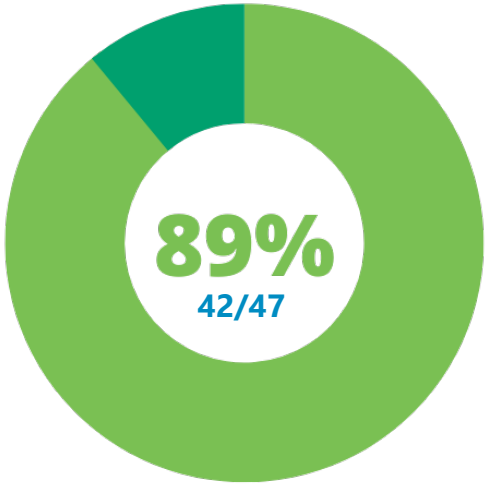
OPENING SESSION



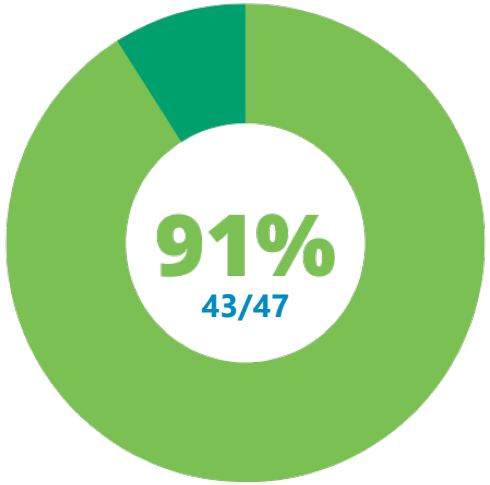
of respondents who attended the session agreed/strongly agreed that the Opening Session met their needs and expectations.

Of the 47 respondents
who rated

SESSION 1



of respondents who attended the session agreed/strongly agreed that Session 1 allowed them to connect and gather valuable insights/learnings from peers in other participating cities.

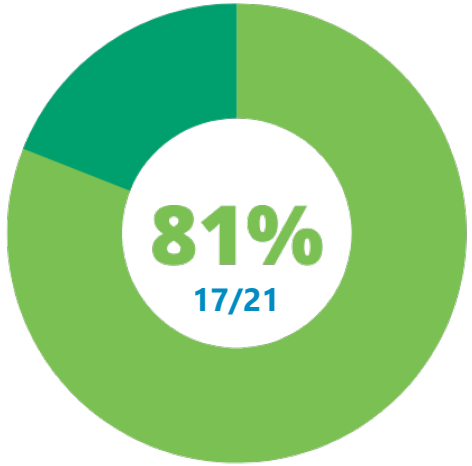


of respondents who attended the session agreed/strongly agreed that the session met their needs and expectations.

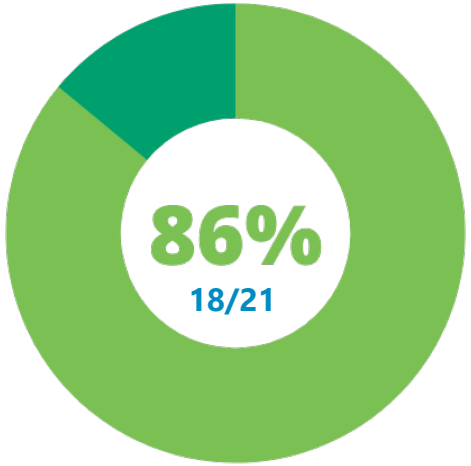
EVALUATION INSIGHTS

Of the 21 respondents who rated

SESSION 2



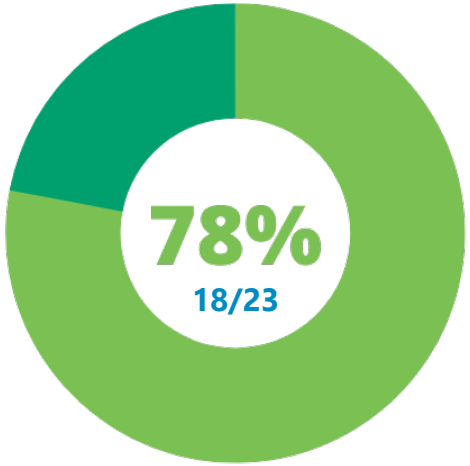
of respondents who attended the session agreed/strongly agreed that Session 2 allowed them to connect and gather valuable insights/learnings from peers in other participating cities.



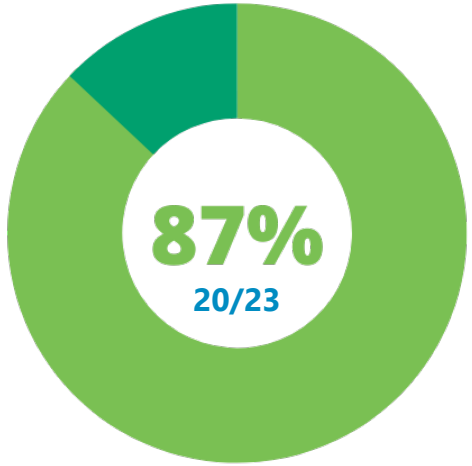
of respondents who attended the session agreed/strongly agreed that Session 2 met their needs and expectations.

Of the 23 respondents who rated

SESSION 3



of respondents who attended the session agreed/strongly agreed that Session 3 allowed them to connect and gather valuable insights/learnings from peers in other participating cities.

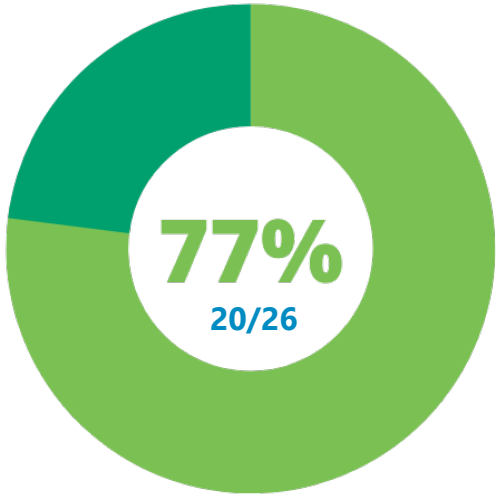


of respondents who attended the session agreed/strongly agreed that Session 3 met their needs and expectations.

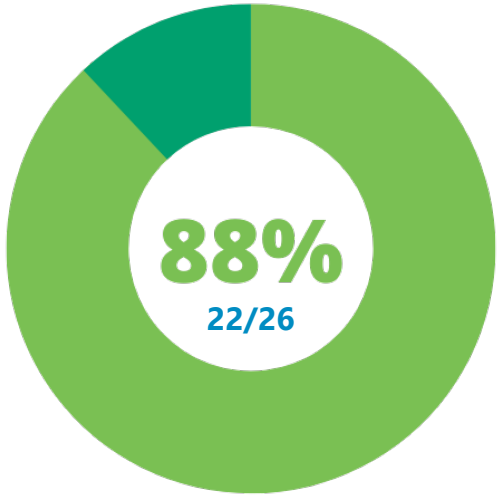
EVALUATION INSIGHTS

Of the 26 respondents who rated

SESSION 4



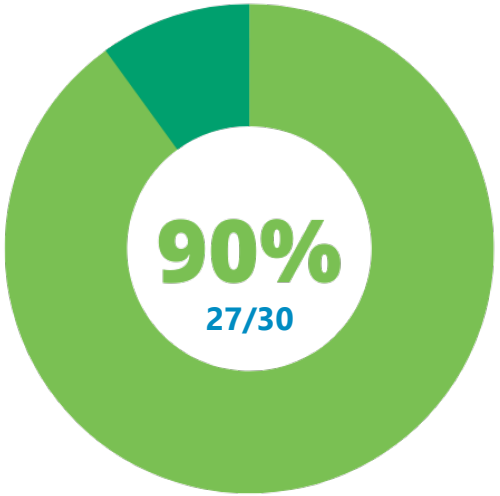
of respondents who attended the session agreed/strongly agreed that Session 4 allowed them to connect and gather valuable insights/learnings from peers in other participating cities.



of respondents who attended the session agreed/strongly agreed that Session 4 met their needs and expectations.

Of the 30 respondents who rated the

CLOSING SESSION



of respondents who attended the session agreed/strongly agreed that the Closing Session met their needs and expectations.

EVALUATION INSIGHTS

Other topics related to smart city development suggested by evaluation respondents include:

- Active mobility
- Data development
- Capacity development to maintain smart city technologies
- Financial sustainability for funding smart city advancements
- AI in smart cities
- How to build public transport system (subway, tram) in Hanoi in a fast and cost-efficient way
- Integration of smart city with social impact
- Use of digital tools
- New smart city development technologies
- Community participation enhancement through simplified planning discussion and data gathering
- Accessibility/inclusivity to persons with disabilities
- Hands-on training on digital tools, such as sensors and data collection strategies
- Related smart city development laws
- Waste management
- More people-based, inclusive planning methods

Further improvements to the event that respondents suggested include:

- More interactive sessions
- Increased time for each speaker
- More details on project implementation
- Making access link to join sessions more accessible

ASEAN
AUSTRALIA
SMART CITIES
TRUST FUND
Asian Development Bank

Australian Government
Department of Foreign Affairs and Trade

ADB

@AASCTF

AASCTF

@AASCTF

bit.ly/watchAASCTF