

Shocks and the City:

Sustainable Solutions to Overcome Interlinked Urban Crisis in Asia and Pacific

Parallel Session hosted by UNESCAP

📅 21 September 2022 | 14:30-16:00

📍 Spectrum, Level 3A | Connexion Conference & Event Centre



Agenda

21 September 2022
14:30-16:00

5 min

1. Opening – UNESCAP

30 min

2. Panel presentations on the four thematic areas

- **Urban and territorial planning:** TPr. Ismail bin Muhamad, Director of City Planning Department, Subang Jaya City Council (Malaysia)
- **City Climate Action:** Dr. Aisa Tobing, Jakarta Capital City Government (Indonesia)
- **Urban Digital Transformation:** Ms. Arlene B. Arcillas, Mayor of Santa Rosa (Philippines)
- **Urban Finance:** Mr. Kesera Dahamsonda Senanayake, Mayor of Municipal Council of Kandy (Sri Lanka)

30 min

3. Parallel breakout group discussions from table to table unpacking the four different topics presented by the panelists:

- Urban and territorial planning
- City Climate Action
- Urban Digital Transformation
- Urban Finance

20 min

4. Reporting back in plenary, Q&A on consensus recommendations

5 min

5. Conclusions and way forward – UNESCAP Chair



Post pandemic, cities and countries in Asia-Pacific struggling to recover sustainability from increasing climate, food, energy and economic crises

The session will discuss and identify:

1

Status, trends, emerging issues, and interlinkages of implementing sustainable urban development in Asia-Pacific within the context of a sustainable urban recovery from multiple connected crises

2

Urban policy solutions and instruments to address increasing uncertainty as well as actions to recover and develop sustainable cities and communities in Asia-Pacific by accelerating action among different actors

*Session serves as input to the **flagship report on Asia-Pacific cities** and forthcoming (2023) **8th Asia-Pacific Urban Forum***



Session flow



1 Formulate a **problem statement**

2 Identify a **set of actions** to address the problem

3 Explain how the set of actions can **address the interlinked crises**

4 Share **success stories, lessons learned** from countries and cities





TPr. Ismail bin Muhamad
Director of City Planning
Department
Subang Jaya City Council
Malaysia



Dr. Aisa Tobing
Deputy Secretary General of
CityNet and member of Jakarta
Research Council
Indonesia



Ms. Arlene B. Arcillas
Mayor of Santa Rosa
Philippines



Mr. Kesera D. Senanayake
Mayor of Municipal
Council of Kandy
Sri Lanka

Distinguished Panelists



Context	Spatial planning regulates zoning & land use, buildings, mobility, energy use, food security, etc.	Provides the key entry point for a ‘territorial approach’ to SDGs
Current state	COVID-19 has an unprecedented impact on public, green spaces for physical and mental health	‘15 min city’ as a post COVID-19 spatial tool for + climate crisis + mobility + health + the future of work
Tools and targets	Compact, Green, Mixed Use Cities to realize economic, social, health, cultural and climate/environmental goals	Planning needs to be more flexible and responsive to better mitigate and adapt to future uncertainties



Context	Most cities located in climate vulnerable areas, such as low elevation coastal zones, valleys, etc.	Most emissions from cities in Asia <i>predominately from transportation & energy</i>
Current state	Asia-Pacific economic impact of climate is increasing in cities prone to loss and damage	Lack of NDC localisation, vertical and cross municipal climate cooperation
Tools and targets	Climate action has positive co-benefits to the well-being and health of society, the city and its surrounding area	Addressing urban emissions (transport, waste, construction, etc.) ↓ <i>reduces pollution</i> ↑ <i>improve respiratory and overall health</i>



Context	COVID-19 has become a catalyst for urban digital transformation <i>reliance on certain technology has drastically increased</i>	Digitalization impacts urban areas faster <i>due to higher exposure to changes and innovations</i>
Current state	Digital advancement also means managing or transitioning former technology	Cities at different starting points on journey to 'smart' and in diverse technological environments
Tools and targets	People-centered smart cities that leverage innovation for well being and sustainable urban development	Interoperability of smart systems for integrated decision making and smart investments



Context	Lack of local financial capacities, fiscal devolution and financial autonomy	Transfers and own source revenue are irregular and/or insufficient w/ inability to access private capital
Current state	With COVID-19, cities' revenues went down and funding was relocated to focus on addressing the pandemic	Supply of predictable and adequate finance challenged by lack of bankable projects
Tools and targets	To develop and invest in infrastructure, often blended sources of finance is needed	Land and major municipal assets can be leveraged for low carbon resilient development



CITYNET

THE REGIONAL NETWORK OF LOCAL AUTHORITIES
FOR THE MANAGEMENT OF HUMAN SETTLEMENTS

SUBANG JAYA SMART VIBRANT CITY : URBAN & TERRITORIAL PLANNING

9th CITYNET CONGRES
20TH-23RD SEPTEMBER 2022
KUALA LUMPUR, MALAYSIA



TPr. Ismail Muhamad
Director of Town Planning
Subang Jaya City Council

about Subang Jaya City

city best attraction...



Urban Green Lung



Caring for Everyone



Leisure of Life



Legendary
City Food



Best Over
Night Stay



Business for
Everybody



Education
for All

...that awaiting for you



City Info

- Country : Malaysia
- State : Selangor
- Local Authority : Subang Jaya City Council
- Area : 161 km sq
- Population : 968,930
- Accessibility : Air (flight) & land transportation (LRT, BRT, commuter, buses, etc)

'Smart Vibrant City' refer to the city that are lively, high spirit, energetic, friendly, green and smart

MBSJ
BANDARAYA
SMART VIBRANT

SUBANG JAYA SMART VIBRANT

SMART SUSTAINABLE CITY
INTERNATIONAL STANDARD
BUSINESS CITY
DREAM OF RESIDENCE

6

CRITERIA OF
'SUBANG
JAYA SMART
VIBRANT'

■ GREEN CITY



■ HEALTH CITY



■ SAFE CITY



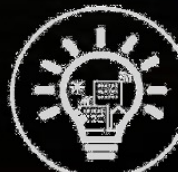
■ WELL-BEING CITY



■ PROSPEROUS CITY



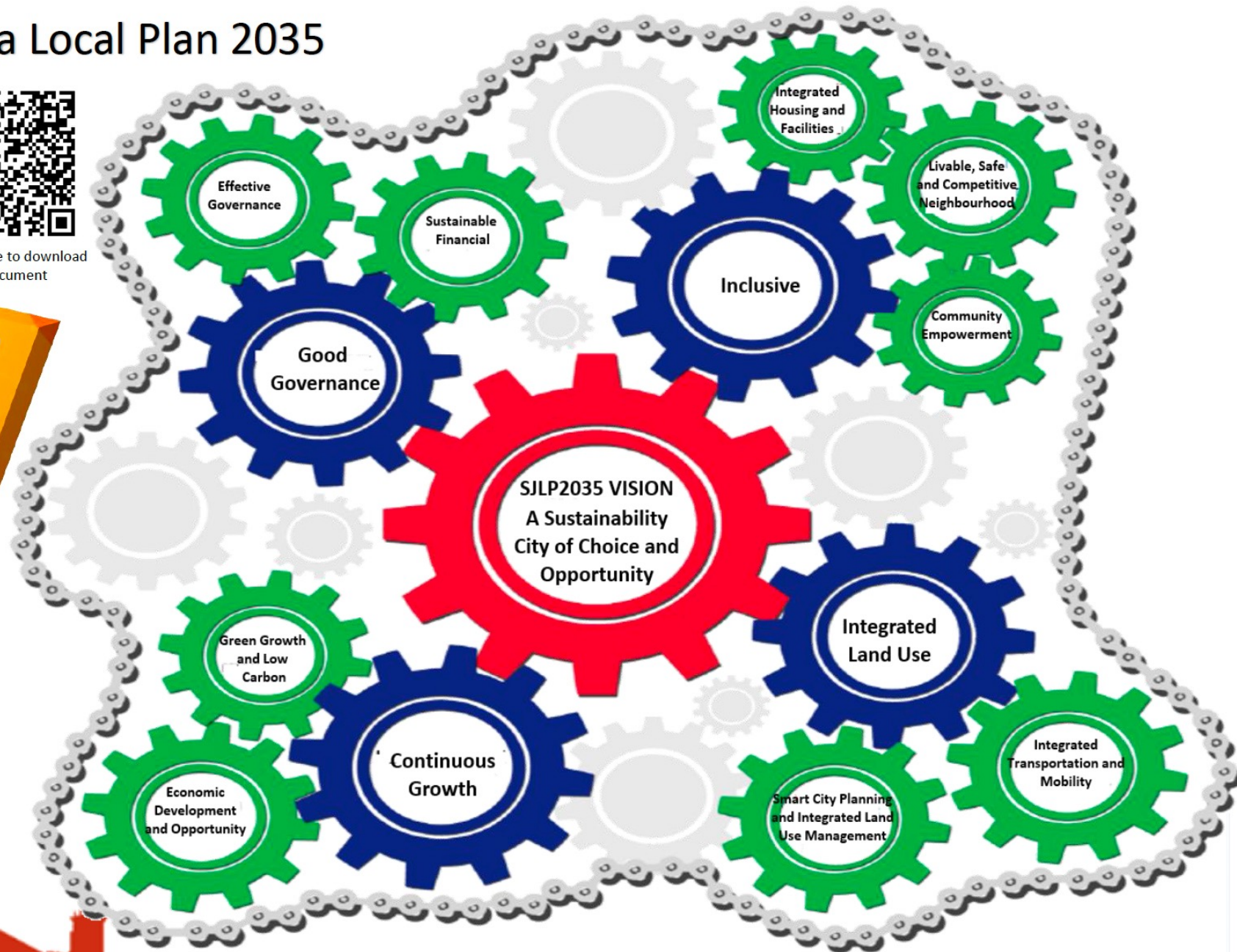
■ SMART CITY



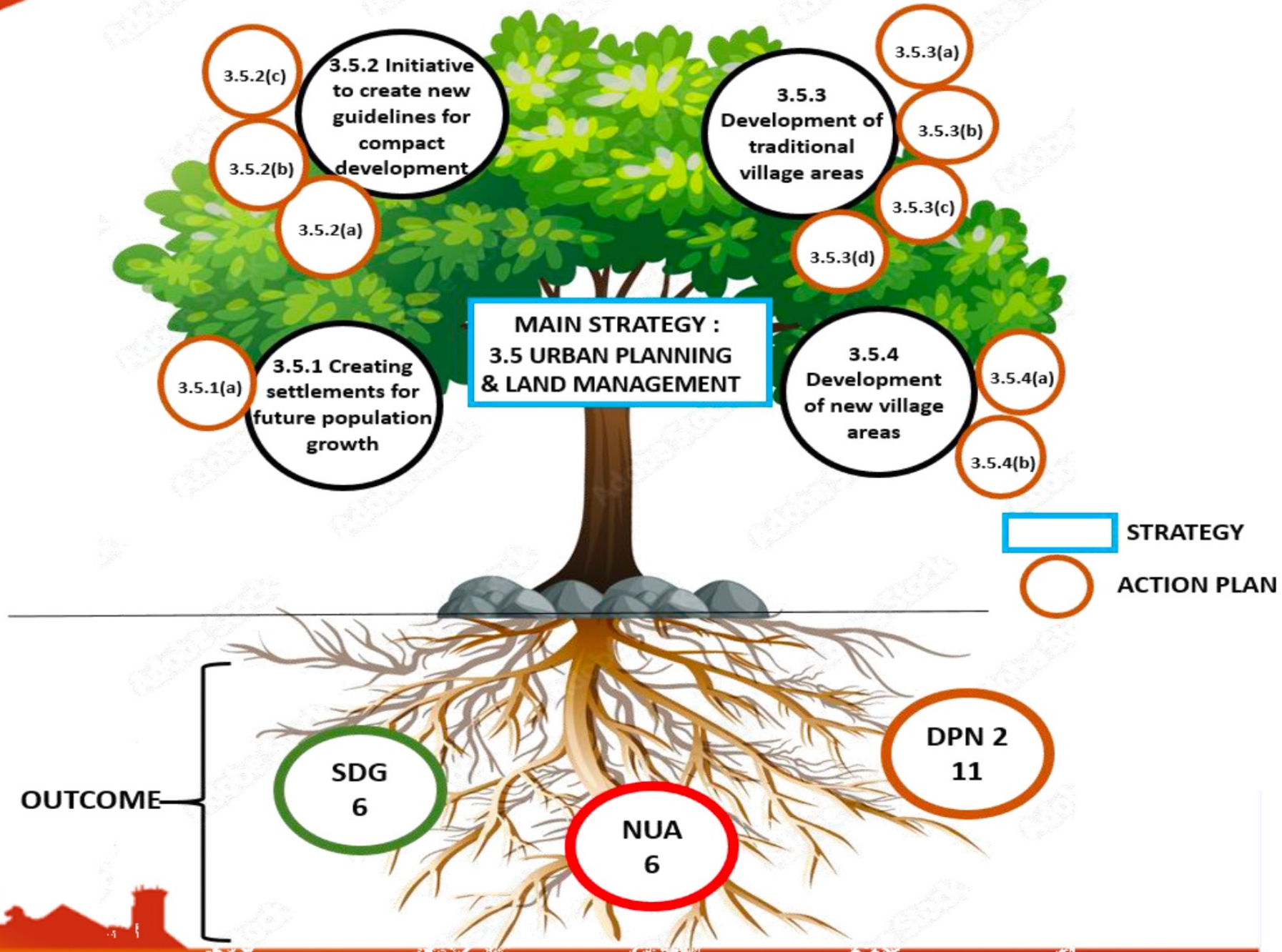
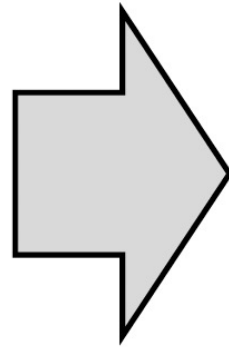
Subang Jaya Local Plan 2035



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the document



URBAN & TERRITORIAL PLANNING

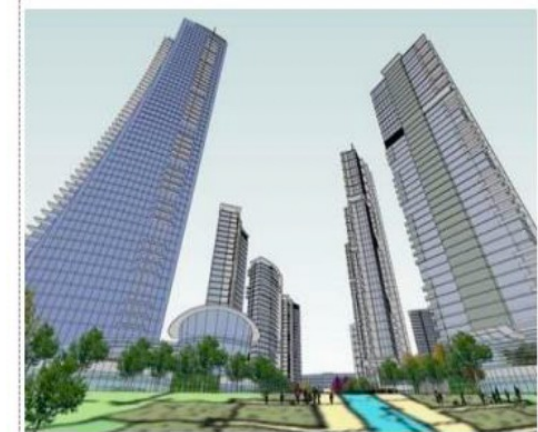


IMPLEMENTATION & ACTION

Strategy 3.5.1
Creating Settlements for Future Population Growth
Action (a)
Adopting and applying the concept of compact city especially in public transit areas

Justification
Subang Jaya City needs the development of 170,000 new housing by 2035. Future development proposals will be concentrated around the public transport center. Mixed and high-density development is encouraged in the TOD area

Implementation Approach	Performance Measure
<ul style="list-style-type: none"> ▪ Adopting TOD guidelines; • Incentivize developers that implementing TOD 	Housing units increase in the TOD area
Executor Department	Year of Execution
Department of Town Planning	<input type="checkbox"/> 2019-2024 <input type="checkbox"/> 2025-2030 <input type="checkbox"/> 2031-2035
Support Agency	Expected Outcome
External : JPBD / JKR / JPS Developer / land owner / REHDA	<input type="checkbox"/> Vibrant <input type="checkbox"/> Well-being <input type="checkbox"/> Green & Clean <input type="checkbox"/> Low Carbon
Implementation Costs	Multiple Desired Outcome
Development costs incurred by property developers	<input type="checkbox"/> SDG : 11 <input type="checkbox"/> NUA : O 7 <input type="checkbox"/> DPN 2 : P3 & P5



Sumber : <https://www.skyscrapercity.com/>



Sumber : <http://www.mdpi.com/2220-9964/5/4/52>

FOCUS GROUP DISCUSSION with STAKEHOLDER

INTEGRATED APPROACH



SPECIFIC

- objective
- focus

MEASUREABLE

- output
- outcome
- impact

ATTAINABLE

- challenging
- possible

REALISTIC

- capable
- hurdless

TIME-BOUND

- deadline
- goal

ELASTIC

- Re-adjustment

RECOGNITION

- reward

Special Complimentary

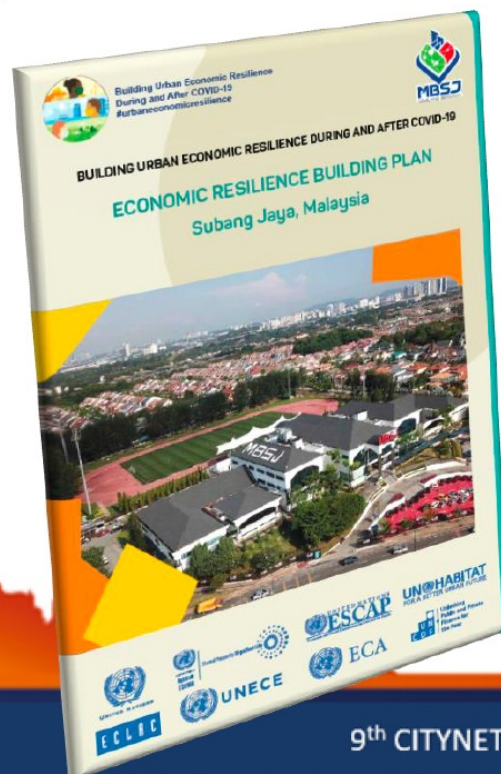
1



Subang Jaya Strategic Plan 2020-2025

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Strategic planning as the basis for implementing annual operational plans with clear output, outcome & impact targets in line with local, state, national and global policies



Subang Jaya City is involved in a global collaboration project in developing the foundation and post-Covid-19 recovery strategy.

Analysis was done to determine the impact of Covid-19 on the urban ecosystem; and then identify the key to the appropriate recovery strategy to be implemented and integrated in the existing strategy and action plan.

3

DA 13 GLOBAL PROJECT : Building Urban Economic Resilience During and After COVID-19



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8

HIGH IMPACT PROJECT

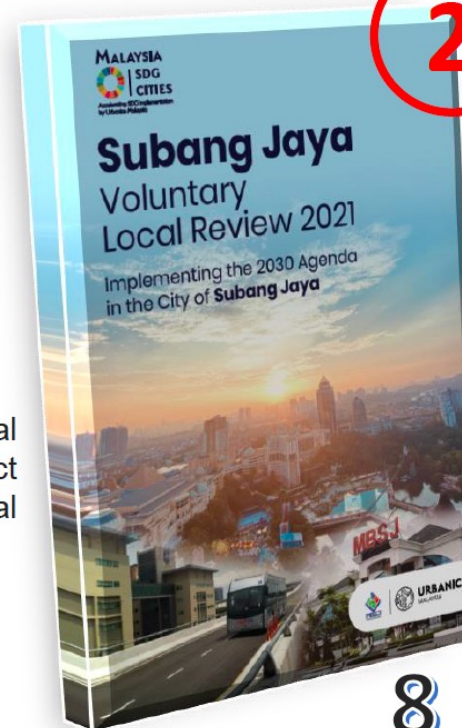


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Implementation of local projects in the Subang Jaya City in line with the '2030 Sustainable Development Goals (SDGs)'



Subang Jaya Voluntary Local Review 2021



2

Thank You



EMPOWERING CITIES TO TAKE CLIMATE ACTION WITH CIRCULAR ECONOMIC PLANNING THE POST PANDEMIC CITY

- **Introduction**
- **Background**
- **Empowering Cities**
- **Green City Dev't Financing**
- **A Good Tools**
- **Challenges**
- **Conclusion**

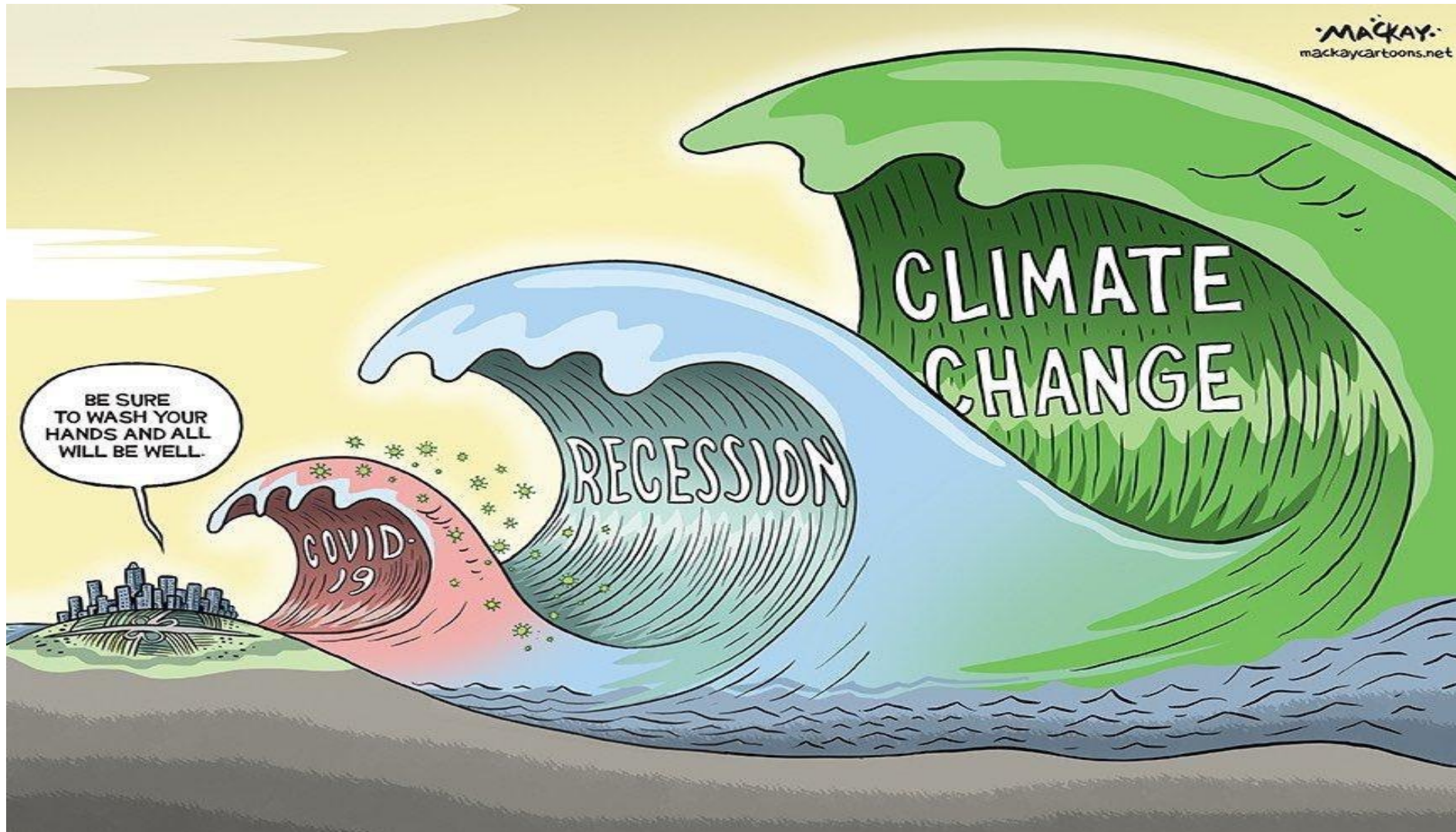
DR. Aisa Tobing
Secretary General Jakarta Research Council

Illustration of Shock (I)



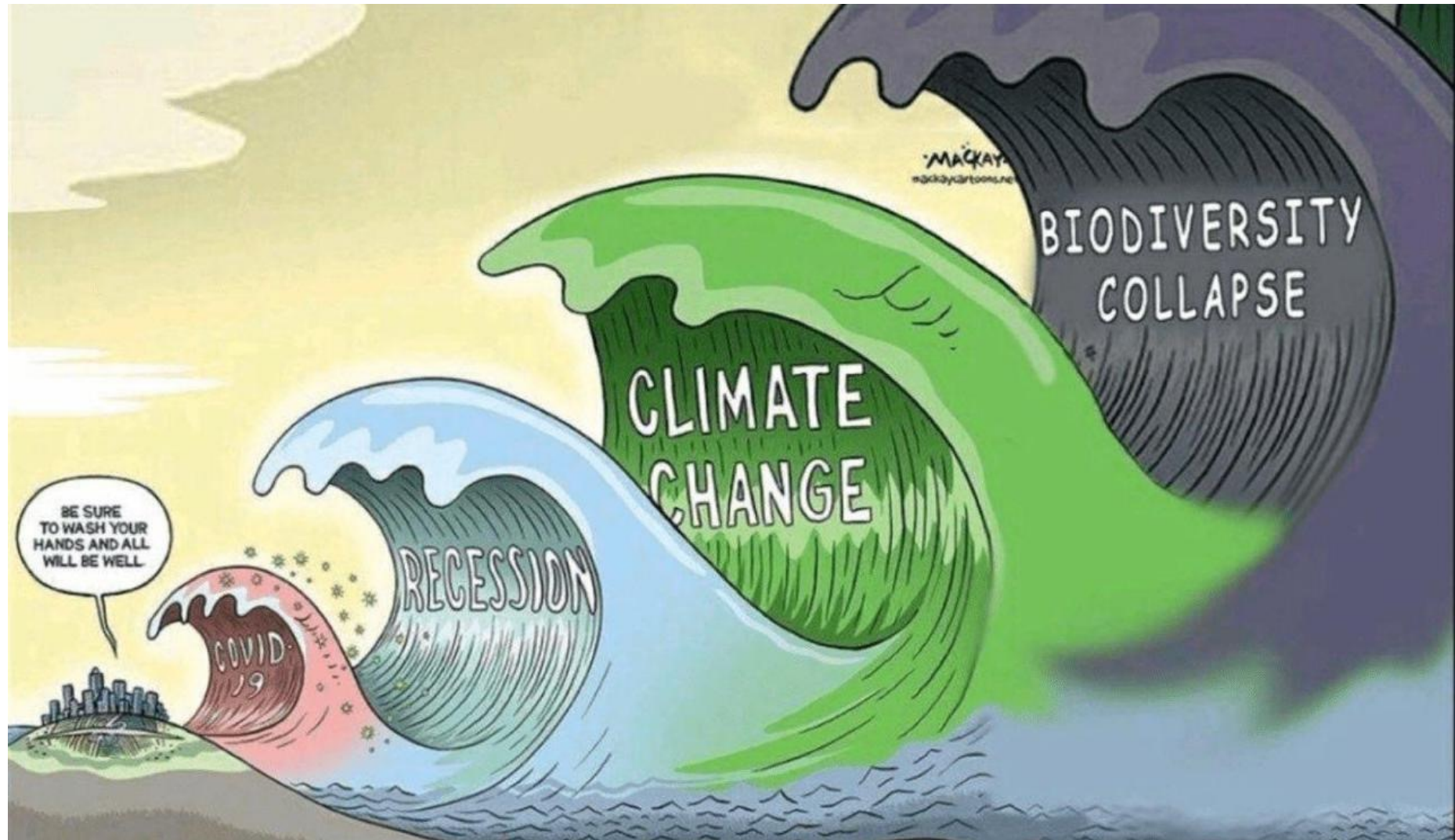
Graeme Mackay, March 2020

Illustration of Crisis (II)



Graeme Mackay, March 2020

Illustration of Shock II



Challenges in Cities



Background

80% of the planet's population

80% global GDP

70-76% of world's energy consumption

80% CO₂ emissions

Climate disasters could put 1.3 billion people at risk by 2050

More than 70 % of cities already feel the negative impact

Potential vulnerabilities of cities to pandemics and infectious diseases



Climate Change Impacts

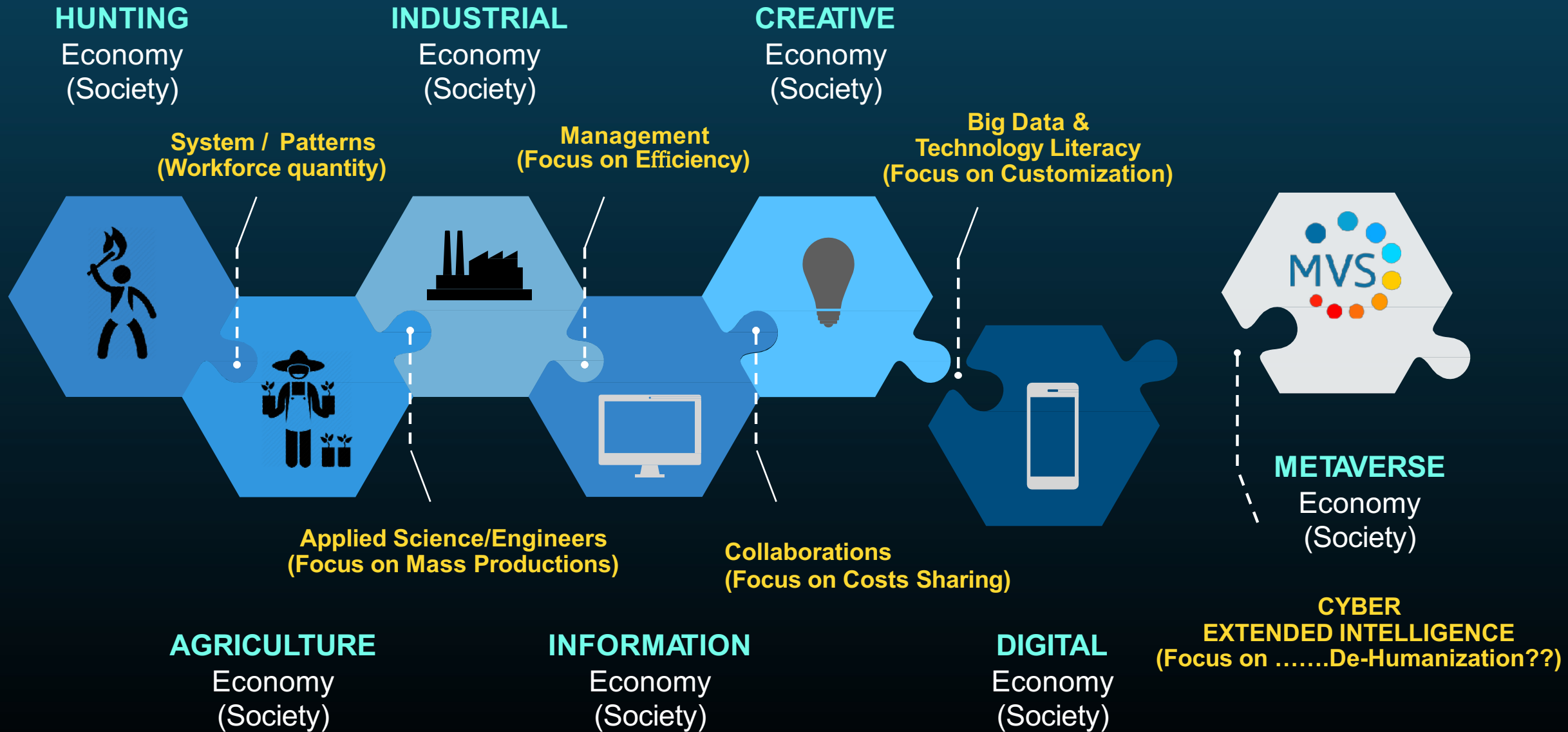
- Hundreds of millions displaced as climate refugees - Many moving to and from cities
- Urban water shortages, Land Subsidence,
- Urban food systems collapsing
- Flooding due to sea level rise - most cities are costal
- Extreme heat stress, the heat island effect - results in early deaths
- Pollution



Urban Strategy After Pandemic

- How can we improve our Digital Social-Economy, such access to the real-time information that helps cities survive a crisis?
- What can the strategies do to reduce the impact of a crisis, especially on disadvantaged communities?
- How should public services be designed to cope with surges in demand?
- How should Global Agenda Strategies

SHIFTS IN ECONOMY STRUCTURE (SOCIETY)



Circular Economy



- New Normal and Changes Behaviour
- An excellent opportunity for planners and policy makers to take **transformative actions** towards creating cities that are more just, resilient, and sustainable.
- More Innovative and Creative to obtain the solution such the speed and scale at which digital transformation can be delivered.
- More Efficient n Effective

Transformational Opportunity

- COMPETITIVE ADVANTAGE (Social-Economic Value)
- COLLABORATIVE ADVANTAGE (Ecosystem Value)
- SUSTAINABILITY ADVANTAGE (Future Value)

CLIMATE PROGRAM IMPLEMENTATION (Waste Management)



Composting



3R



Waste separation



Plastic waste reuse for planting



CLIMATE PROGRAM IMPLEMENTATION (Waste Bank)



CLIMATE PROGRAM IMPLEMENTATION (Grennery)



Planting in the yard



Buiopore Absorption Hole

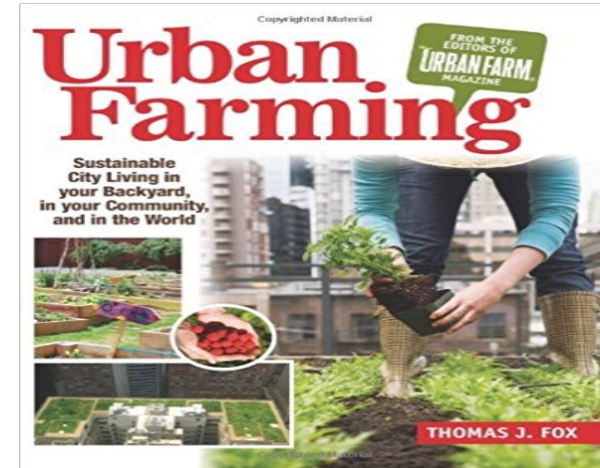


Medicine herb planting



Rain water Harvesting and planting

CLIMATE PROGRAM IMPLEMENTATION (Economic Benefit)



Waste Compos Production



Empowering Cities to Take Climate Action

- Cities have **the potential to be major catalysts of change** in the implementation of recent International Agreements such as the Paris Agreement, SDGs, The 2030 Sustainable Development Agenda, the New Urban Agenda and the Sendai Framework for Disaster Risk Reduction.
- Cities have to have **a climate action plan** related to a framework and international guidance for GHG emission reductions and target. Actions to address climate change through adaptation and mitigation at the city level will **make contributions** to the national efforts aimed at fulfilling international commitments for Low Carbon Development
- Cities have to have **instruments, roadmap, model, tools and targets** related to CC mitigation and adaptation
- Cities need to be empowered **both financially and politically to develop ambitious climate targets and take transformational climate action**



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Urban Digital Transformation

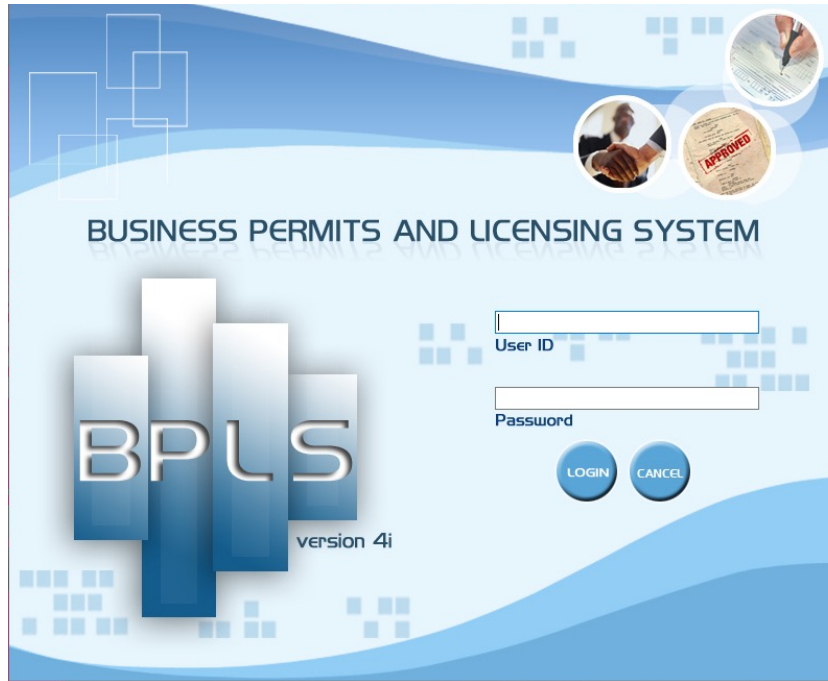
Mayor Arlene B. Arcillas

City of Santa Rosa (Philippines)



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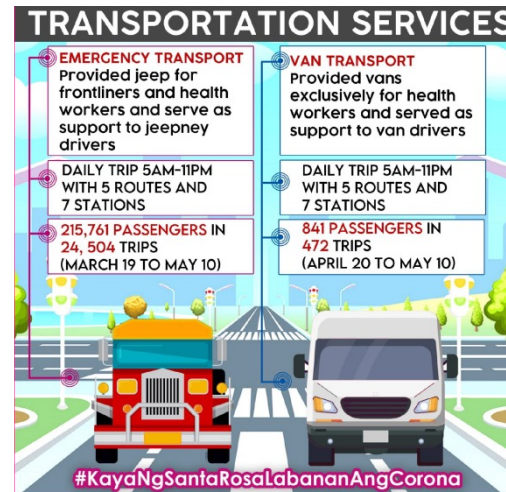
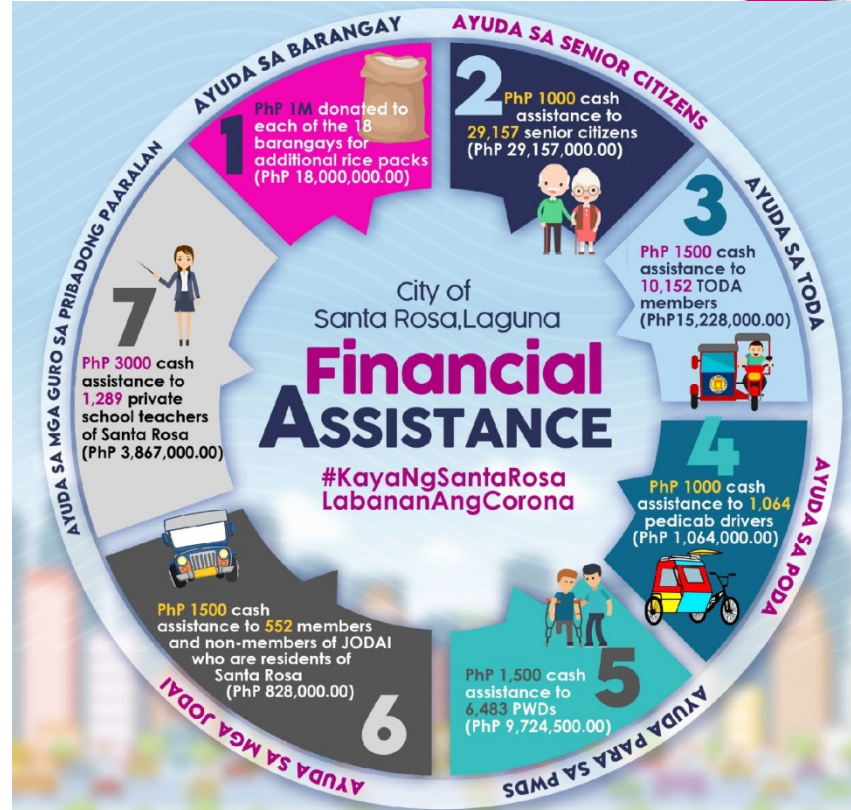


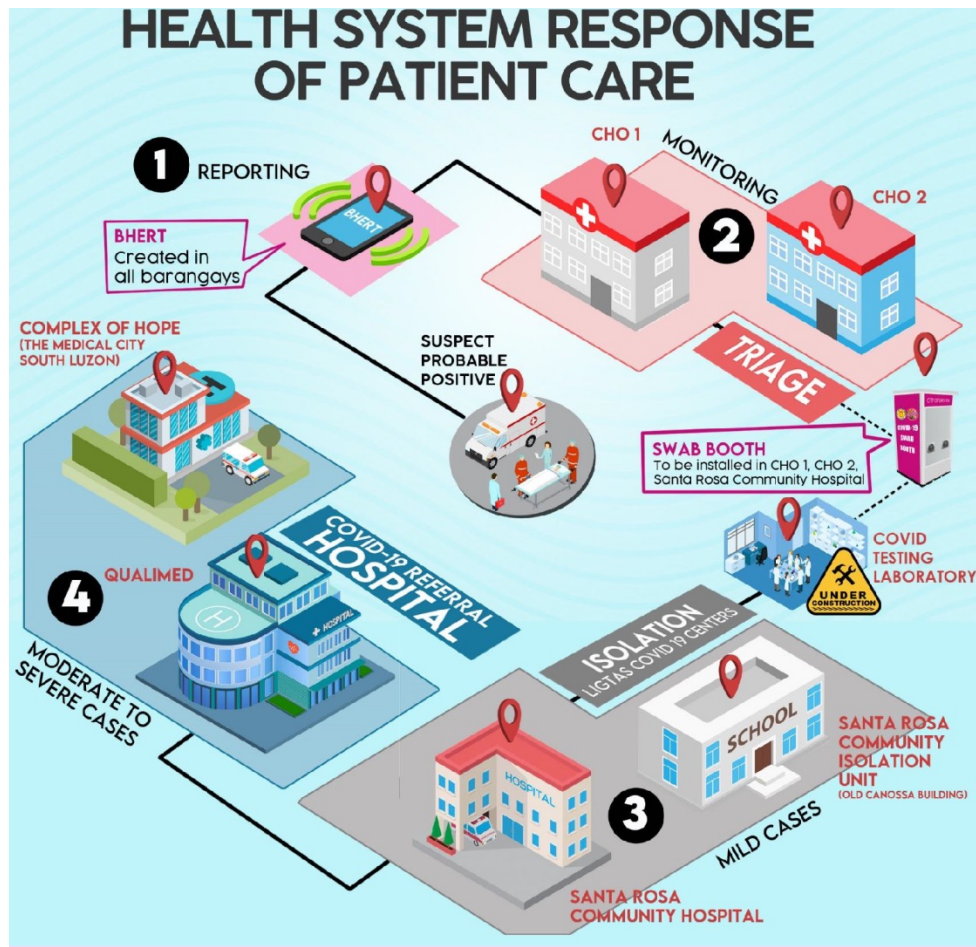
Transparent and
effective tax assessment
and collection





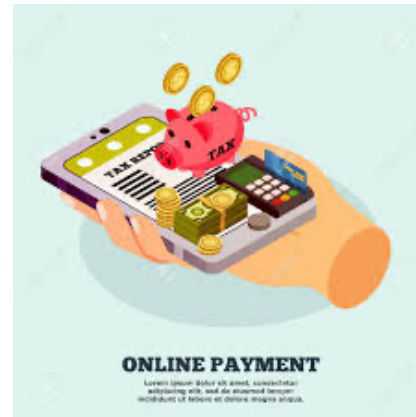
Technology-based
planning and decision-
making







QR Code for Mobile Access



BPLO Online Services Process

Business Permit and Licensing Office

City of Santa Rosa, Laguna
 3rd Floor, City Hall Building A
 Monday to Friday 8:00AM - 5:00PM

BPLO Services

Business Permits and Licensing Office
 3RD FLOOR, CITY HALL BUILDING A
 MONDAY TO FRIDAY 8:00AM - 5:00PM

BPLO Hotline Numbers:
 049-530-0015 local 3801 - 3803

We value and protect your personal information in compliance with the Data Privacy Act of 2012 (RA 10173). The information you shared will be stored in a database accessible to CITY BUSINESS PERMITS AND LICENSING OFFICE ONLY. These will be used to serve as a reference for verifying and assessing Business Permit Applications.

The name and photo associated with your Google account will be recorded when you upload files and submit this form. Not ravignacto@gmail.com? [Switch account](#)

* Required

- Fill up required fields (*).
- Then, Select Transaction.
- Click Next.

Email address *

Type of Application *

☒ New Application

☐ Business Renewal

☐ Business Closure

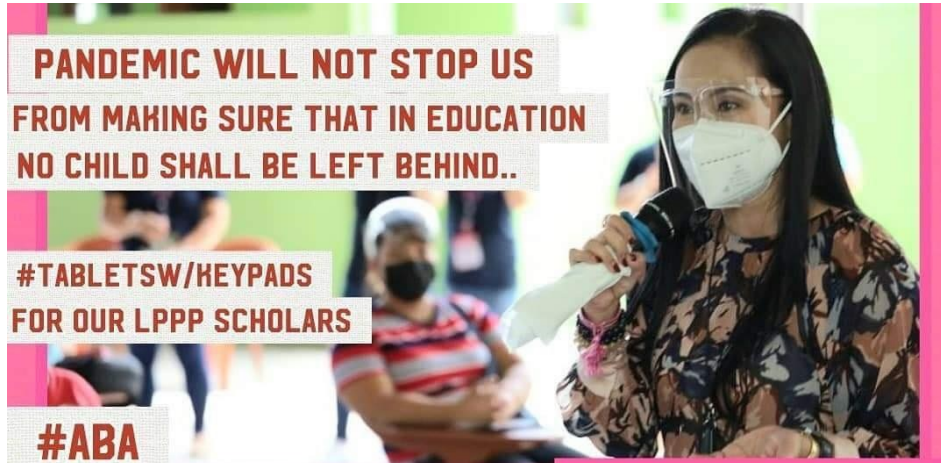
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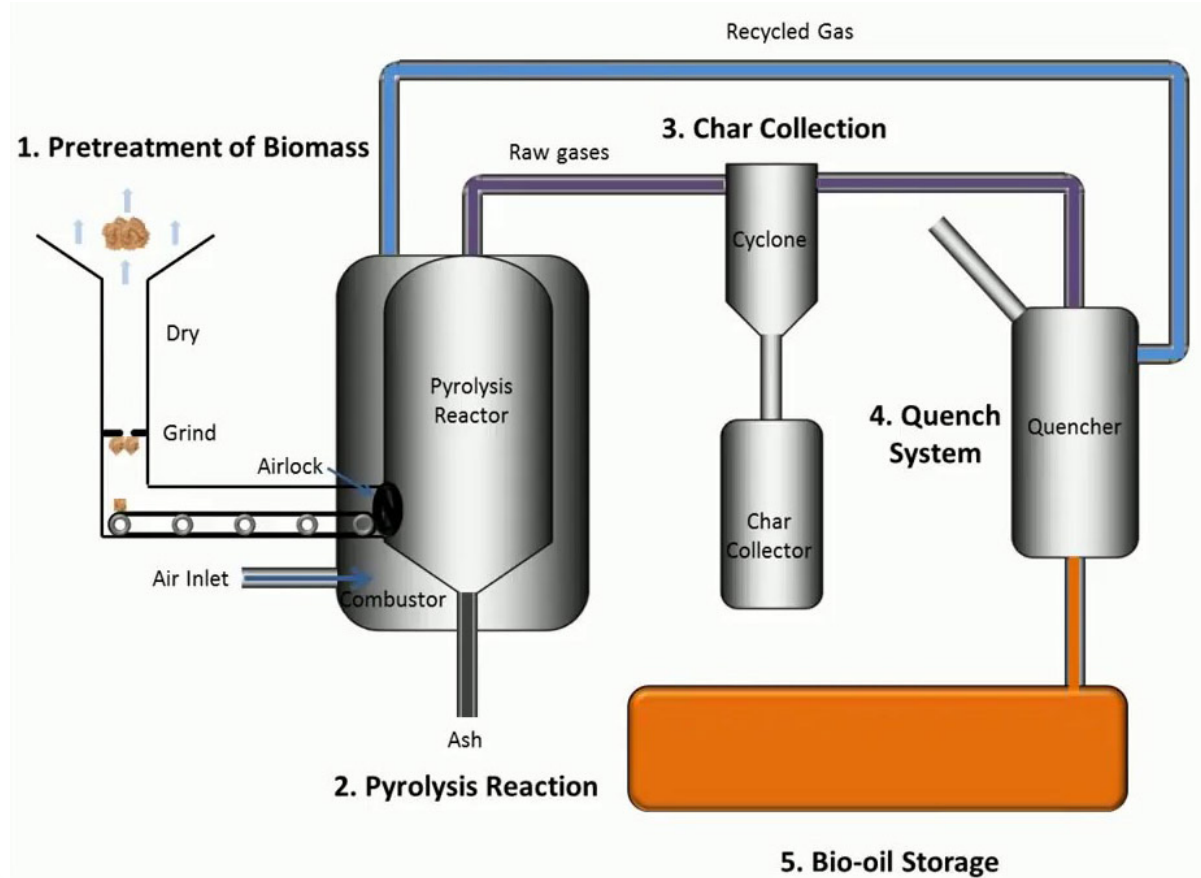
**PANDEMIC WILL NOT STOP US
FROM MAKING SURE THAT IN EDUCATION
NO CHILD SHALL BE LEFT BEHIND..**

**#TABLETSW/KEYPADS
FOR OUR LPPP SCHOLARS**

#ABA



Establishment of a Pyrolysis Facility



Santa Rosa Smart City Roadmap (2023-2043)

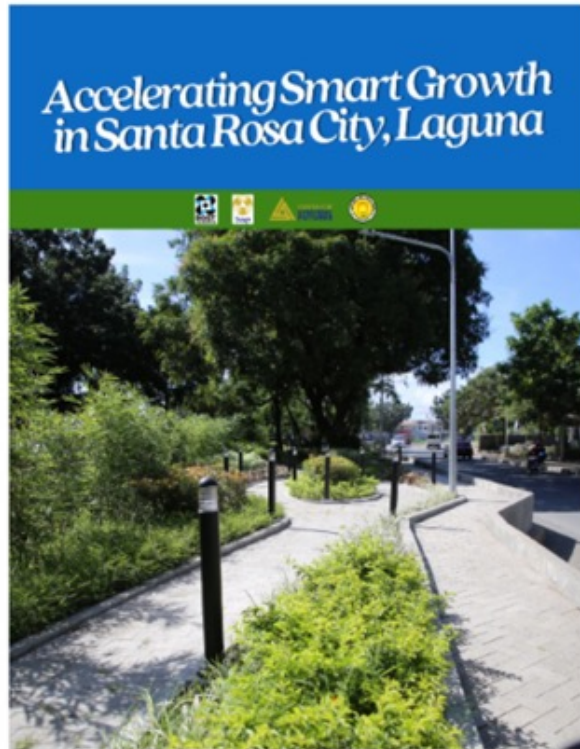


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Framework for Developing Smart Communities in the Philippines
- Chapter 3
Smart City Enablers
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Strategies, Policies, and Interventions
- Chapter 5
Local Milestones
- Chapter 6
Monitoring and Evaluation
- Annexes
Guides & Tools

CITY OF SANTA ROSA, LAGUNA

SANTA ROSA IS SET TO BECOME A "HIGH-LEVEL SMART CITY"

Mayor Arlene B. Arcillas signed a Memorandum of Agreement (MOA) with the Department of Science and Technology (DOST) - Calabarzon on November 24, 2021 seeking to transform the city to "high-level smart city."

Smart City is a DOST program that seeks to transform the City of Santa Rosa into a sustainable and future-ready smart city through science, technology and innovation (STI).

The project will be replicated and adopted by other cities in our country.



Thank You!



<https://santarosacity.gov.ph/>

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20 min

4. Reporting back in plenary, Q&A on consensus recommendations

5 min

5. Conclusions and way forward – UNESCAP Chair



Where to get inspired?



Regional Multistakeholder Urban Dialogues



Capacity Building of New Mayors



Addressing Urban Plastic Pollution

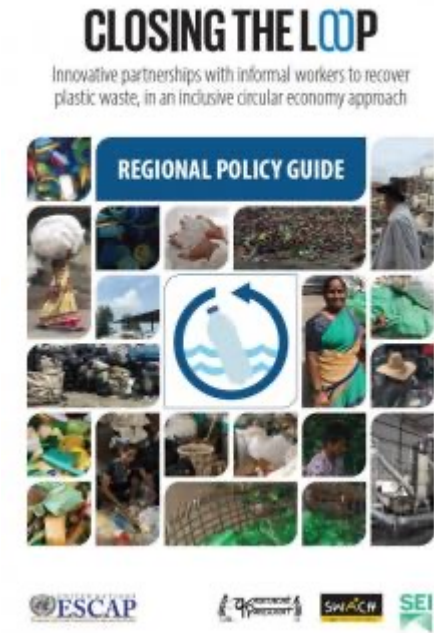
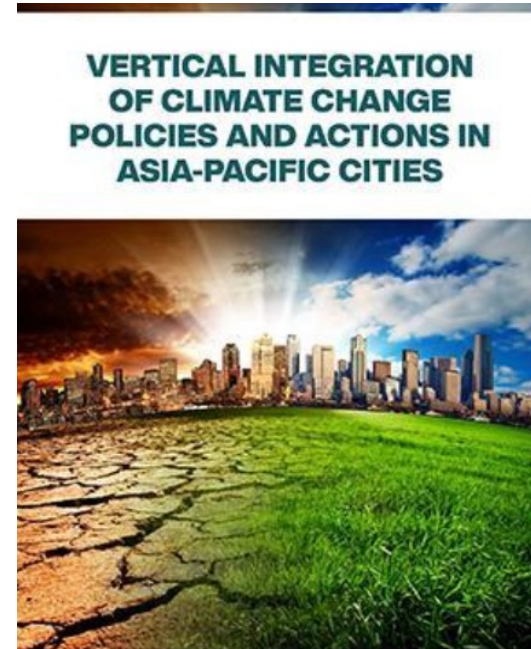
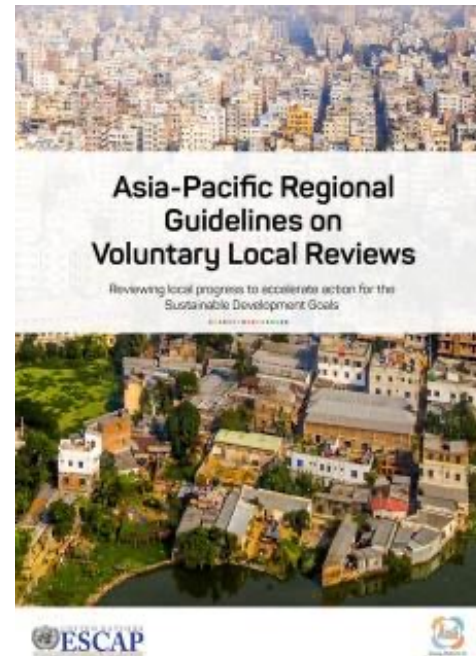


Developing City Air Pollution Plans



<https://urbangateway.unescap.org>

Our Key Knowledge Products:

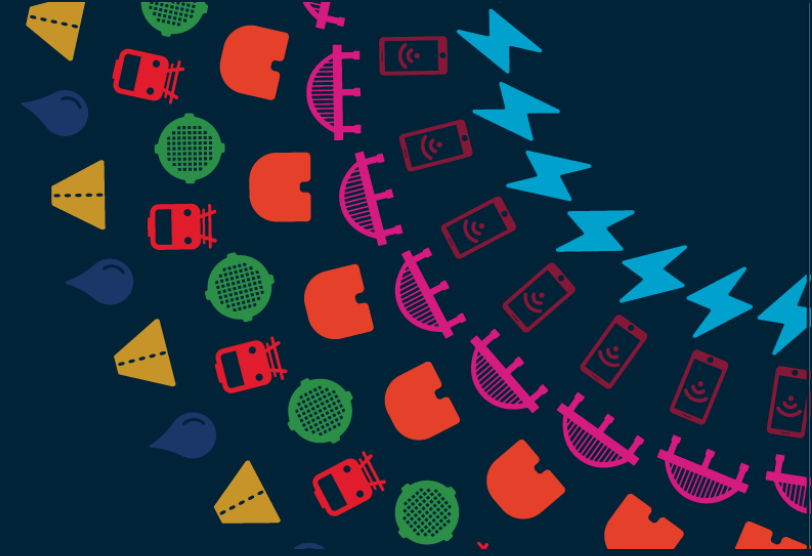


Partner with us to accelerate progress and localize SDGs in Asia-Pacific!

<https://www.unescap.org/our-work/environment-development/urban-development>



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Parallel session hosted by:



Organized by:



KUALA LUMPUR CITY HALL

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