

Cities is the Centre of **Economic development,** social progression and technological advancement.



It is an Urban World today and Malaysia is also an urban nation with 78% Malaysians living in cities.



About 65% of our GDP is contributed by urban activities. This will lead to disparity between urban and rural growth in the country.

RISING GAP IN GROSS INCOME

Urban: 0.389 to 0.398 Rural: 0.364 to 0.367

(2016 vs 2019)

RISING GAP IN DISPOSABLE INCOME

Urban: 0.380 to 0.385 Rural: 0.365 to 0.361



# Cities is about our Future Societies of our Lives

# MALAYSIA'S FUTURE CHALLENGES

A new challenge in meeting the social needs as by 2040, the population structure shall change significantly, impacting our economy, productivity and built environment.

#### **MALAYSIA TODAY**

POPULATION MALAYSIA

**URBANIZATION RATE** 

34.1 M (2024), 41.5 M (2040) 78% (2021), 85% (2040)

YOUTH AND CHILDREN

15-39 YEARS : 46.1% : 15.1 Million, Children below 14 is 23.3% (7.6M)

AGEING SOCIETY

7% - 2.44M (2020) where 51% (1.25M) are Women, 14% (2040)

DISABLE

1.6% - 537,000

RISING GAP IN INCOME

0.38 (2016), 0.407 (2020), Poverty Rate – 5.6% (2020), 45.2% Households earns below RM6,000







MALE & FEMALE

Male: 17.9 million Women: 16.2 million

#### **ECONOMIC IMPACT of COVID-19**

- **5.6%** GDP contraction (end 2020) improves to 6.9% in half quarter of 2022.

**4.1%** unemployment rate (2020- up to 1M loss of jobs) **40%** SMEs was said to wind up operations

**47%** Self-employed workers lost their jobs

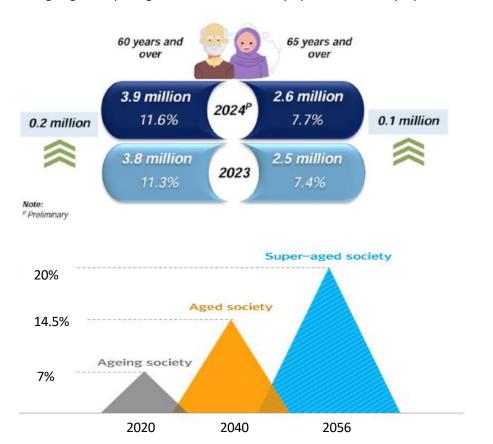
- 10.3% Mean Household income decline RM 7,089 (2020), RM 7,901 (2019)

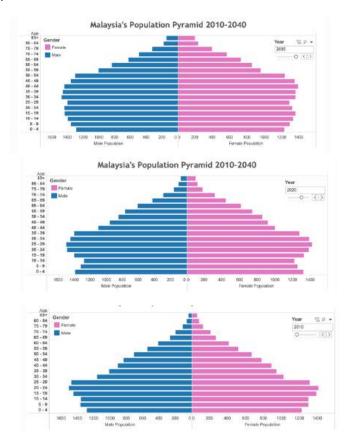
20% M40 shift to B40, 12.8% T20 shift into M40 Additional 12.5% with mean income below RM2500.00

## **Ageing Population of Malaysia**



7.7% (2.6M) of our population today is 65 years and above. And with high urbanization rate of 77%, we have 1.75M ageing society living in urban areas. Globally by 2050, 1 in every 6 person will be above 65 years old.





Cities are major consumption and producers - 78% of world's energy consumption, 70% of greenhouse gases emission & produces 2 billion tonne of waste a year.

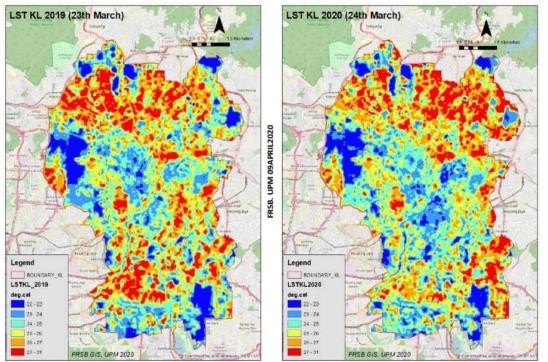


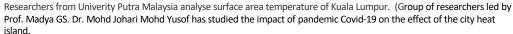
## **Urban Heat Are Definitely Becos of Climate Change**





Cities are getting warmer, storms and heavy rains are causing all kinds of natural disasters





#### LOCKDOWN - KI's UHI Improves With 2.84 Degrees Drop In Temperature.

- 23 March 2019 30.95 degrees Celsius
- 24 March 2020 -
- 28.11 degrees Celsius

#### **UHI contributes towards:**

- Higher energy consumption
- Higher Green House Gas Emission (NO2, CO2, etc)
  - Human Health and Comfort Levels
    - Impaired Water Quality



Urban crisis intensifies as we battle the 4Cs covid, climate-change, conflicts and capital.



Urbanisation and
Urbanism, with the
concentration of
people in urban
areas, there is a
need to
understand of the
interaction of
communities in
cities with the built
environment



55.4 % of today's world population (7.7 billion) lives in Urban Areas/Cities By 2030 – 60%, 2050 – 66% of the world's population will live in cities



**Climate proofing** our cities sustainable and resilient Infrastructure to mitigate and adapt measures in addressing climate change





## BUILDING CITY RESILIENCE IN WINNING THE FUTURE



Building a 'New Normal' to reduce economic, social and environmental vulnerability of COVID-19.

There is a need for urgent actions to improve people's lives and stimulate innovation towards a behavioural shift to make cities more sustainable and resilient.

A NEW URBAN PARADIGM

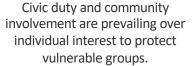


RETHINKING CITIES & URBAN POLICIES



A PLACE BASED & PEOPLE CENTRED APPROACHES

COVID-19 accelerated the shift towards **a new urban paradigm** towards inclusive, green and smart cities. How will cities deliver services, plan their space and resume economic growth in a life with the pandemic





Fundamentals towards resilience and a new sustainable development paradigm.









How we plan, build, and manage our cities today will determine the outcome of our efforts to achieve a sustainable and harmonious development tomorrow



#### PRINCIPLE 3:

The City We Need is economically vibrant and inclusive

#### The City We Need is affordable, accessible and equitable

#### PRINCIPLE 6:

The City We Need is regenerative and resilient

#### The City We Need is collectively managed and democratically governed

PRINCIPLE 4:

The City We Need

is socially inclusive

and engaging

#### The City We Need fosters cohesive territorial development

PRINCIPLE 5:

### PRINCIPLE 7:

The City We Need has shared identities and sense of place

## PRINCIPLE 8:

The City We Need is well planned, walkable, and transit-friendly

#### PRINCIPLE 9:

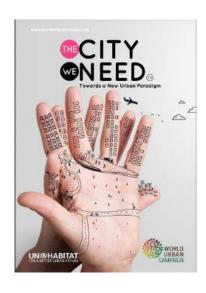
The City We Need is safe, healthy and promotes wellbeing

#### PRINCIPLE 10:

The City We innovates







## THE SUSTAINABLE AGENDA

Since 2015, several key agendas has been the focus of global organization that champions sustainability.

The Sustainable Agenda is the universal call to action to end poverty, protect the planet and ensure that by 2030 all people enjoy peace and prosperity.











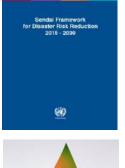






















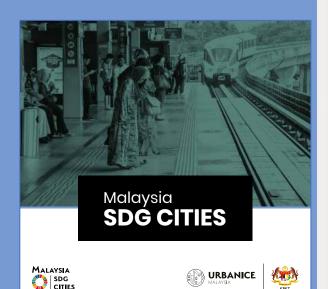




In 2015: Adopted by 193 Member States of United Nations. It replaces the 8 MDGs that was used to measure

## Malaysia SDG Cities

encourages cities to have set targets and goals towards the sustainability agenda and ensure no one is left behind



#### Malaysia Sustainable **Urban Nation**

#### SUSTAINABLE DEVELOPMENT GOALS

17 SDG'S & **169 TARGETS** Qualitative

measures to achieve sustainable development









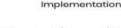














PROSPERITY









Effective





**ENABLERS** 

URBAN

AGENDA

to achieve its commitment for Cities For All

#### Development Enablers







LIBRANI ECONOMY & MUNICIPAL ENANCE

Operational Enablers







URBAN PLANNING URBAN LEGISLATION.

& URBAN DESIGN RULES & REQULATIONS IMPLEMENTATION

We need to Future Proof our Cities to meet the needs of our future societies





## AFFORDABLE LIVING IS KEY COMMUNITY WELL-BEING IN CITIES





Providing choice, ensuring easy access and sharing resources



Choice of Affordable Housing



Re-think Our Current Housing





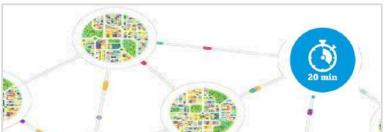
Access and Choice to Transit



**Understanding Walking Behavior & Permeability** 

Providing pedestrian and non-motorized vehicle

Developing Socially



More
Parks &
Access to
Basic
Daily
Needs



**Shared Streets, Community Facilities & Common Areas** 

Sharing Resources – community spaces in cities



Reinvest in cities where urban regeneration and urban infill is the golden opportunity to transform our cities with quality spaces



Ecological and green urbanism is key to our future urban solutions



## The Need for More Green Spaces



Urban **green areas** have beneficial effects on quality of life for the **elderly**: living within walking distance of **green spaces** can increase longevity, reduce health vulnerabilities, promote physical activity and contribute to **elderly** well-being.

Reachable . Walkable . Safe . Right Amenities . Correct Materials. .











## THE NEED FOR MORE PUBLIC SPACE

Public Space and Public Life in Cities



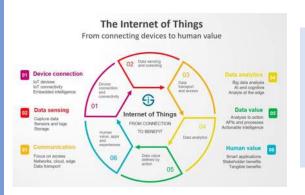








**Smart Sustainable** Cities is crucial as it embrace ICT to improve quality of life, efficiency in urban services and city's competitiveness by meeting the needs of the city.









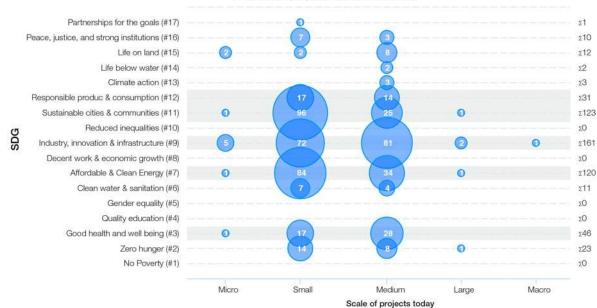






IoT Analytics & World Economic Forum (analysis)

#### 75% of IoT projects focus on 5 SDGs



## **Technology & Communication**

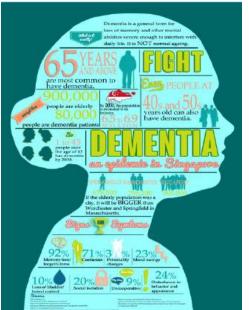
Using technology to address challenging health issues of the ageing community.



## DEMENTIA-FRIENDLY COMMUNITY













Cultural capital to drive social and economic change and enhance local resiliency



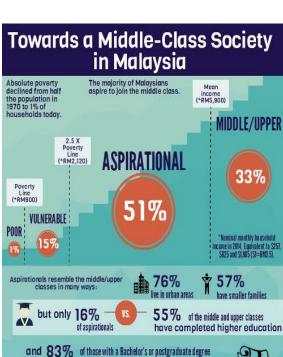
We must build on our Social and **Cultural Capital** where community knowledge, skill, education or any advantages which economic capital to ensure









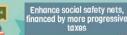


and 83% of those with a Bachelor's or postgraduate degree are in the middle and upper classes



How can Malaysia move towards a middle-class society?

Empower Malaysia's youth to continue their education beyond secondary school

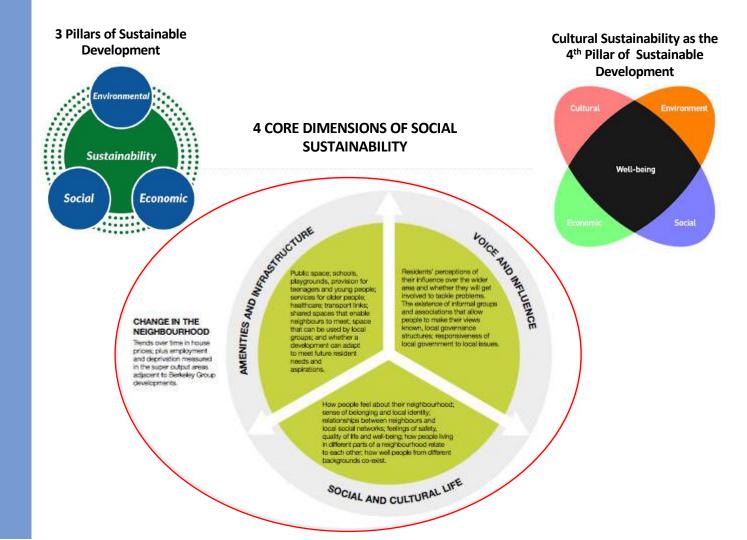




For more information about the Malaysia Economic Monitor (December 2014) - "Towards a Middle-Class Society," please visit www. worldbank.org/malaysia



The need to emphasize on Social Sustainability in Sustainable Urbanisation





## **URBAN HEALTH IC CRUCIAL**







In addressing
Urban Health:
38 SDG targets
relevant to urban
health,
corresponding to 15
SDGs



## The Need for Healthy Ageing

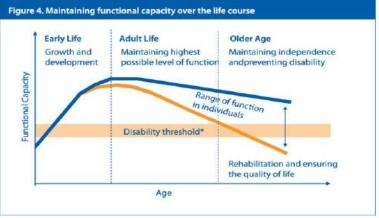


With pace of ageing accelerating, we need to adapt to ageing population by developing and maintaining the functional ability that enables well-being in older age.



Centre of Healthy Aging and Wellness at UKM. 2015: 1 out of 10 Malaysian senior citizens experienced "successful" of healthy ageing. Functional Ability
includes the interaction of:
Individual Capacity
&

**Environment – Social, Physical & Economics** 



WHO guide book indicates the functional capacity increases in childhood, peaks in adulthood and declines in older age. The rate of decline is determined by various external – social, environmental & economic factors.

Repurpose Current House for Multi-generational living.



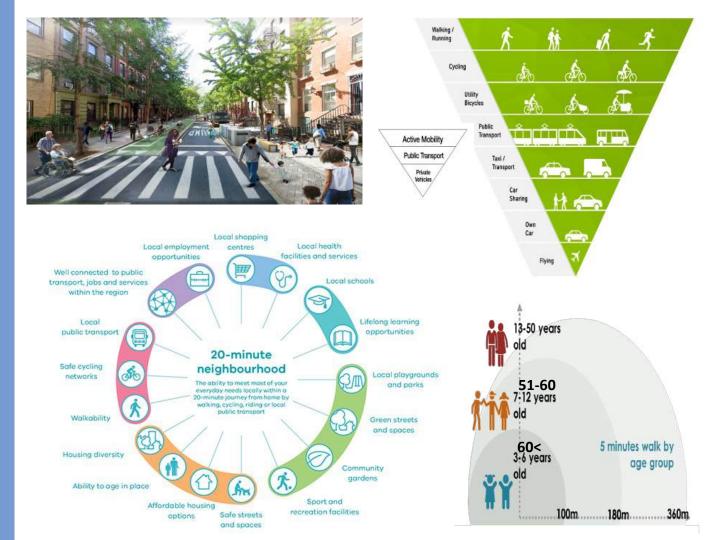
Source: Kalache & Kickbusch (12).

## Making Streets Safe & Cities Walkable





No to urban highways



# People Dimension Cities

getting it right
 with people scale
 for better access
 and better
 people spaces in
 cities.

Its important for people to relate to the city.



Its about the Right Scale that makes a city friendly and comfortable......

# City Plan Scale Birds eye view / Aircraft perspective



# Site Plan Scale Roof top /Helicopter perspective



# People Scale Eye level / 5 km/h perspective







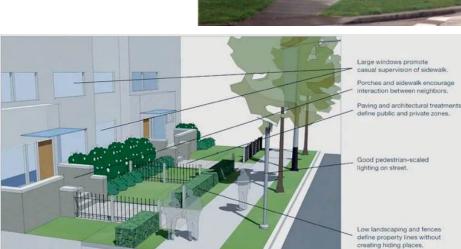
## Safe and Secure

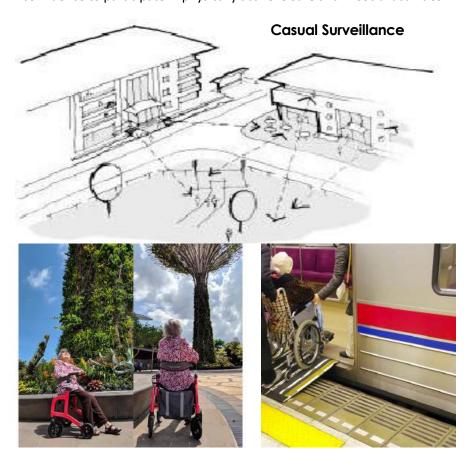
Secure neighbourhoods allow older people, children, younger women to venture outside in confidence to participate in physically active leisure and in social activities.



## Well defined walking areas







#### **COMFORT LIVING - REDUCE URBAN HEAT**

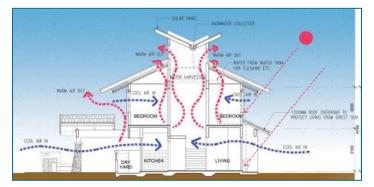
## Passive Design and Energy Efficient Buildings should be the new standard





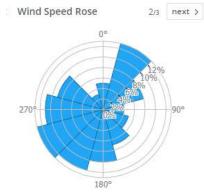


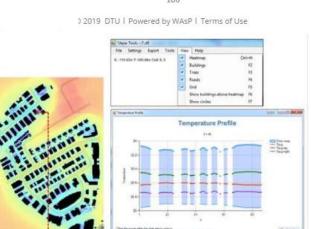
Using tools and technology to design, plan and mitigate heat through responsive and passive design solution to reduce heat and reduce energy use in buildings.

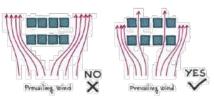


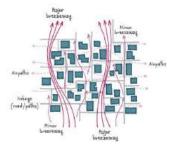


Lebah Ousen. I mades taken at 10.59 a.m.









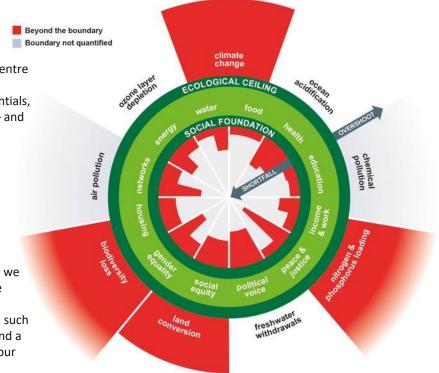
## Growth within our Planetary Boundaries

## - Call for The Doughnut Economic Model

Growth within the Planetary Boundaries - Doughnut economics is an economic model who uses a doughnut as a **metaphor for the framework of human prosperity**. ... the doughnut itself represents a perfect balance for humanity where everyone's basic social needs are met without exploitation and overuse of the planet's resources.

Social Foundation: The Doughnut's centre reveals the proportion of people worldwide falling short on life's essentials, such as food, water, healthcare etc – and the humanity's challenge is to get everyone out of that hole.

Ecological Ceiling: At the same time, we cannot afford to be overshooting the Doughnut's outer crust if we are to safeguard Earth's life-giving systems, such as a stable climate, healthy oceans and a protective ozone layer, on which all our wellbeing fundamentally depends.





# Time For New Economic Model Nature and Well-being

## Growth within our Planetary Boundaries

## - Call for The Circular Economic Model

Circular Economy talks about circulating resources within an economy without creating waste. It offers strategies that we can stay below the ecological ceiling.

Resources include organic ones that can be regenerated to benefit the environment, and inorganic ones that can be recovered and put back into manufacturing processes. The model also believes that waste creation is an error in our systems. The Circular Economic model is intuitive as a solution to our linear economic model (take-make-waste).



# S MAKE ISE

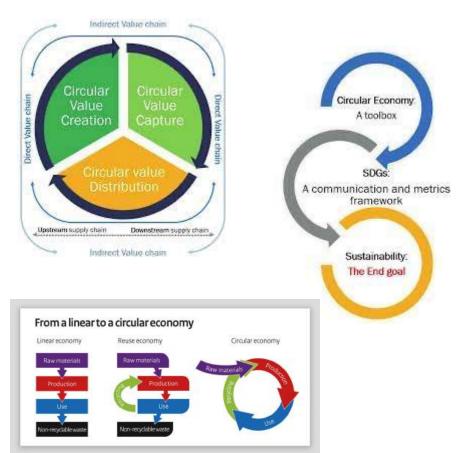


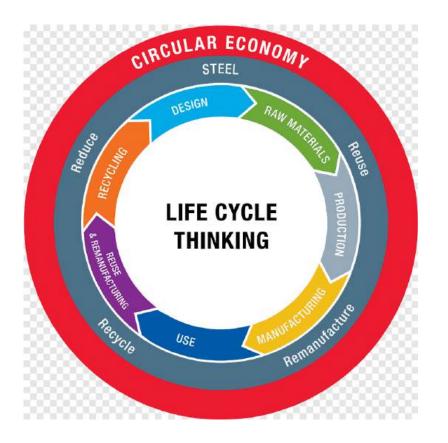
ENERGY FROM RENEWABLE SOURCES

## **SDG 12 Responsible Consumption and Production**



SDG 12 brings together all forms of economic activities to be sustainable





## Food Security & Malnutrition

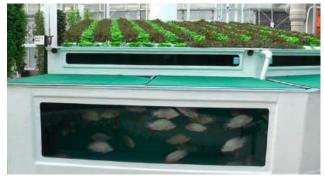




Access to sufficient quantity of affordable nutritious food is crucial. Food insecurity places older adults at greater risks of malnutrition and increases hospitalization.





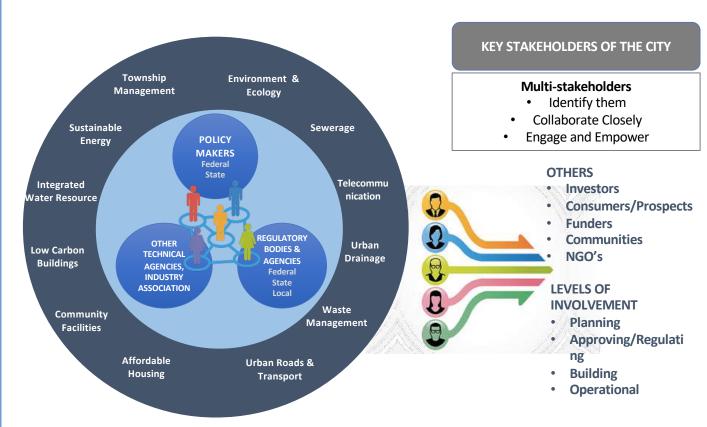




## Stakeholders Management is Crucial -

Stakeholders varies for different engagement and their role and needs differ according to place, time and situations. Locals Know Best!



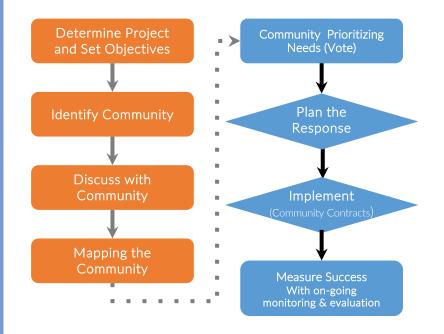


Different cities will need different solutions and tools to implement based on their size, capacities, and resources.



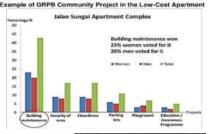
Leave No-One Behind - The GRB approach is a local innovation that emphasises that government expenditure and policies affect women, men, children and others in society and hence its priorities and implementation must involve local participation to decide.

Gender Responsive **Participatory Budgeting** is to ensure budgets are allocated to better meet the different needs and interest of different people











#### **ROLE OF COMMUNITIES: COMMUNITY ACTION PLANS**

To encourage communities to develop Neighbourhood Action Plans to encourage proactive and responsive communities that decides upon actions that would enhance their well-being

Community-Led
Action Plan is
where business
community
collectively come
together to invest
for local
improvements
within their area.











CHANGE

**SCENARIO** 

TRENDS

Needs &

Priority

Empowering
Local
Community by
providing a new
social space that
is co-owned and
co-managed by
the community –
A Place of Their
Own.



Addressing urbanisation will be a continuous challenge as we need to meet the needs of our future societies



## **Sustainable and Resilient Cities**

Prinsip Dayahuni dan Kemampanan Perbandaran



# INCLUSIVE – LEAVE NO ONE BEHIND

**INKLUSIF & TIADA SESIAPA TERTINGGAL** 

Provision for and participation of all segments of society – irrespective of their race, gender, ethnicity, and identity – to contribute to its implementation.





### **HEALTH & WELL-BEING**

SIHAT & SEJAHTERA

Cities plays an important role towards the health and well-being of communities by having spaces that improves their physical and physiological well being.

# MULTI-STAKEHOLDER & PARTNERSHIP

PERKONGSIAN BERSAMA

establishing multi-stakeholder partnerships for mobilising and sharing resources, knowledge, expertise, technology and financials, to support the agenda



LIVEABILITY
FOR URBAN
SUSTAINABILITY



## **CAPACITY FOR RESILIENCE**

KAPASITI TERHADAP DAYA TAHAN

Cities must also have the capacity to address disasters by ensuring better design, bringing nature back and setting limits to growth and development. While at the same time have the infrastructure, institutional and financial support.

## **UNIVERSAL & EQUITABLE ACCESS**

AKSES YANG SAKSAMA

Cross-cutting – the need to strengthen financing capacity for resilience through stand-alone efforts and embed in development planning.





## **INTERCONNECTEDNESS**

**KESALINGHUBUNGAN** 

Cross-cutting – the need for good governance, transparency, accountable, responsive and integrated







## Thank You

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