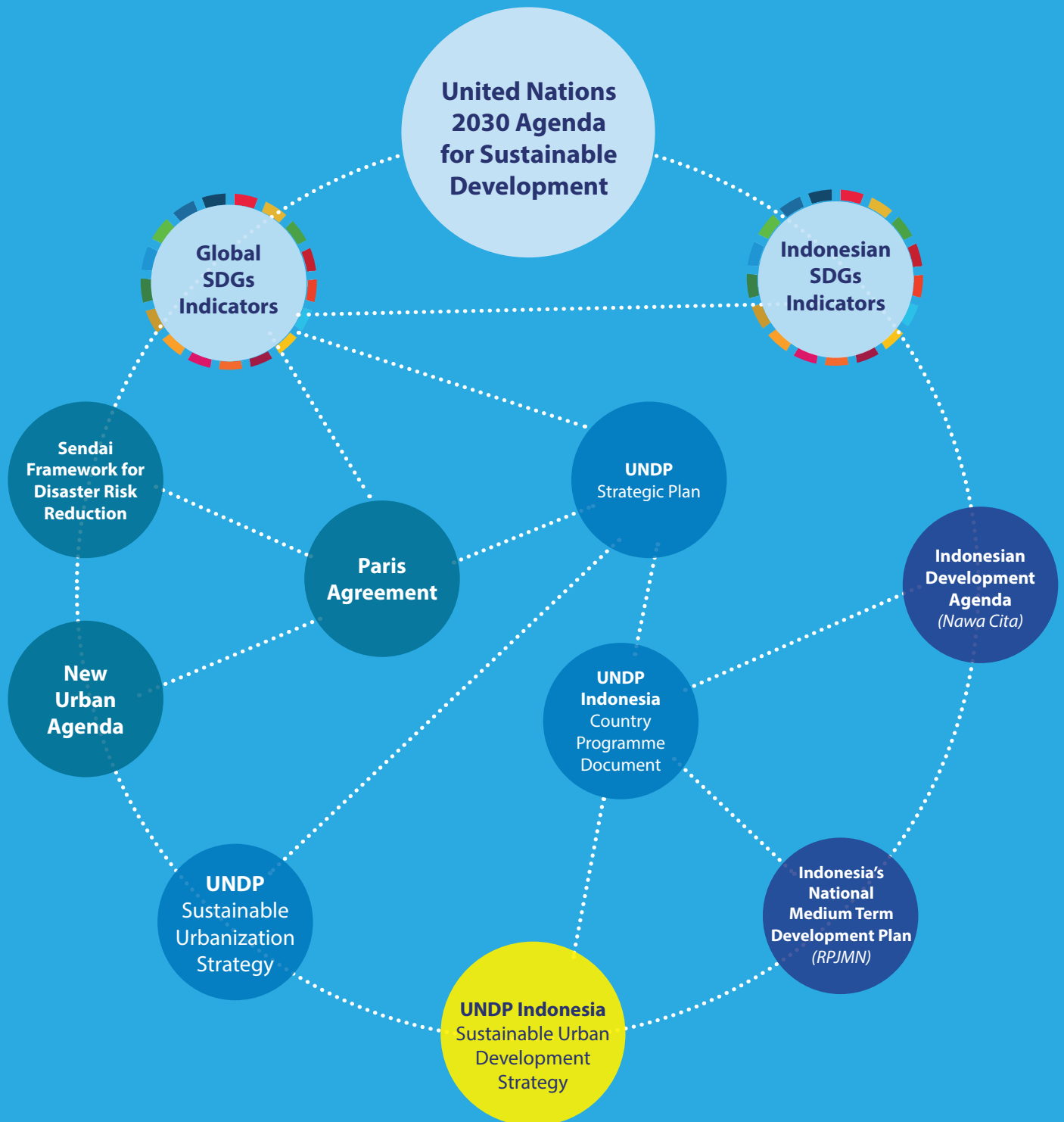


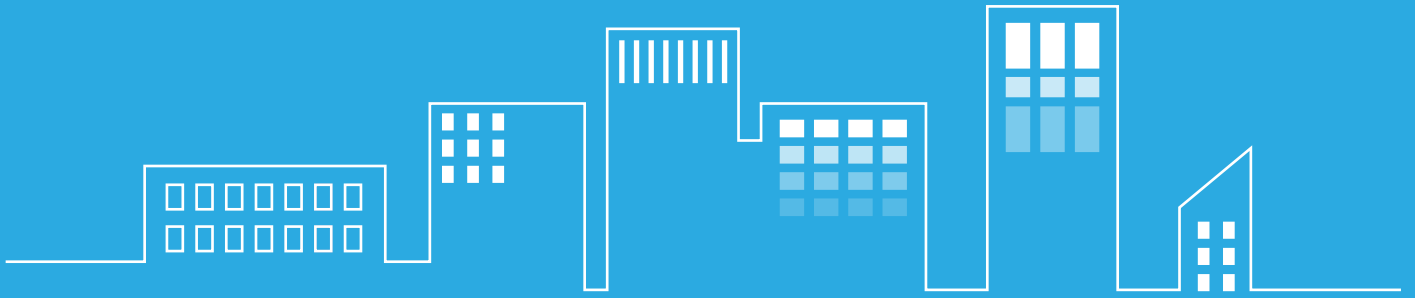


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# UNDP INDONESIA SUSTAINABLE URBAN DEVELOPMENT *STRATEGY*

# UNDP INDONESIA SUSTAINABLE URBAN DEVELOPMENT STRATEGY





# MEGATRENDS AFFECTING CITIES



## URBANIZATION

More than 54 percent of the world's population resides in urban areas, and this figure is projected to reach 66 percent by 2050



## CLIMATE CHANGE & RESOURCE SCARCITY

By the end of the century, 150-200 million people are projected to migrate due to rising sea-levels

By 2030, demand for water and energy will increase by 40 and 50 percent respectively



## ECONOMIC SHIFTS TOWARDS EMERGING MARKETS AND CITIES

By 2050, six of the seven largest economies in the world could be emerging markets



## DEMOGRAPHIC CHANGES & RISING INEQUALITIES

By 2050, it is projected that 16.7 percent of the population will be 65 years old or above (compared to 5 percent in 1950)

The world's 8 richest people now own as much wealth as the poorest half of the world's population



## DIGITALIZATION

Data production will be 44 times greater in 2020 than it was in 2009

# URBANIZATION IN INDONESIA



Currently, more than 55 percent of Indonesians live in cities; at the current rate of urbanization (2.3 percent), by 2030, more than 73 percent of Indonesians will live in cities



By 2020, urban poverty is projected to surpass rural poverty primarily due to urbanization and expansion of cities



Currently, there are more than 151 million motor vehicles, mostly concentrated in cities; this figure increases by 10 percent annually



Every Indonesian generates 0.7 kg of waste per day, amounting to 62 million tons of waste generated annually; and nearly 70 percent of the generated waste goes to landfills

# SUSTAINABLE URBAN DEVELOPMENT STRATEGY FOCUS AREAS

Enhancing city governments' capacity to expand coverage of public services

Improving the quality of public services

Improving access to public services on the ground

*World Bank and OECD studies have shown a strong correlation between income inequality and access to public services*

A sustainable waste management approach to change people's lifestyles and practices with the goal of reusing all discarded materials

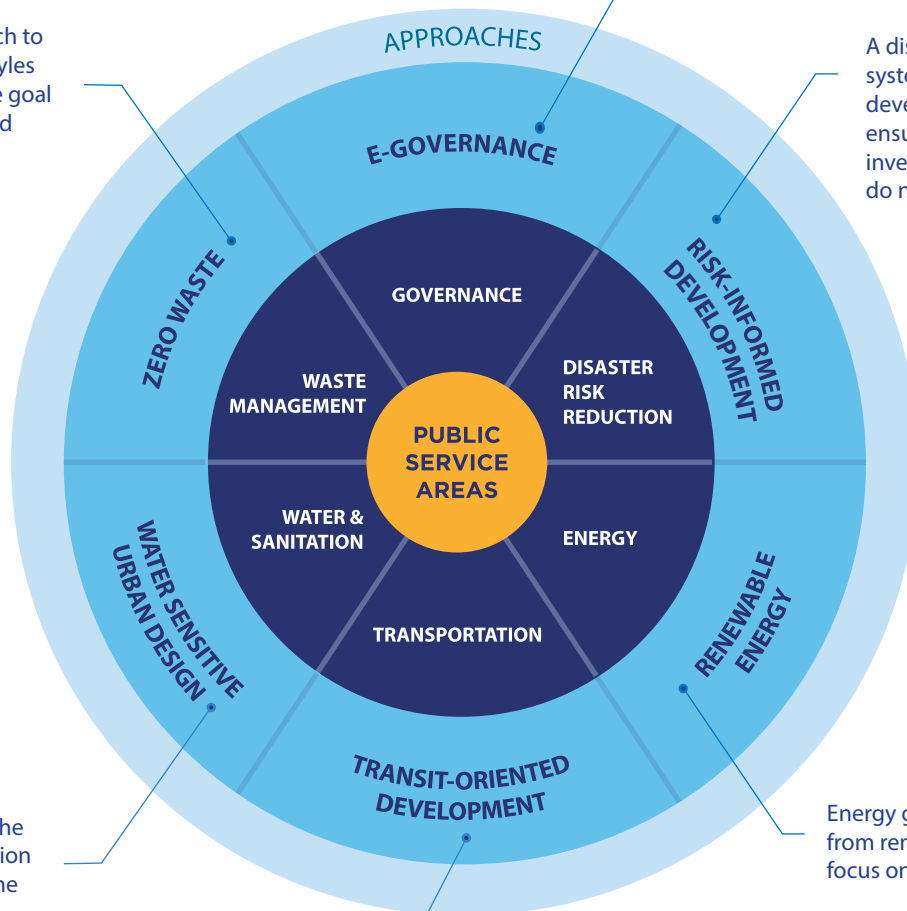
The digitization of urban infrastructures through information and communication technology (ICT) that has the potential of improving service coverage and delivery

A disaster risk governance system that protects development investments and ensures that infrastructure investments are resilient and do not create new risks

The integration of urban planning with the management, protection and conservation of the urban water cycle

Energy generation that is collected from renewable sources (with a focus on solar and wind)

Urban development mechanism that integrates public transportation investments and land-use practices to develop walkable cities



# CORE PRINCIPLES AND BENEFITS OF THE

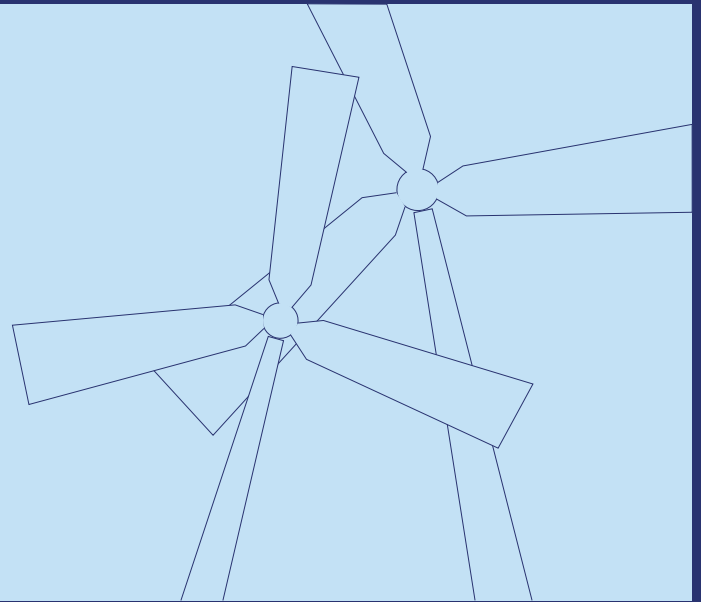
## e-Governance



- Strengthen democratic institutions and practices
- Enhance regulatory frameworks that promote transparency and accountability
- Facilitate dialogue and communications between national and subnational governments
- Reduce silos and bureaucracy
- Facilitate the transition into an information driven society

## Renewable Energy

- Support economic and social development
- Improve access to energy
- Enhance energy security
- Reduce greenhouse gas emissions
- Mitigate climate change



## Zero Waste



- Reduce and conserve goods and materials
- Disincentivize waste generation and promote cyclical use of resources
- Promote and develop reusable and sustainable design products
- Promote reusing and recycling inorganic and organic waste
- Regulate disposal at households and businesses

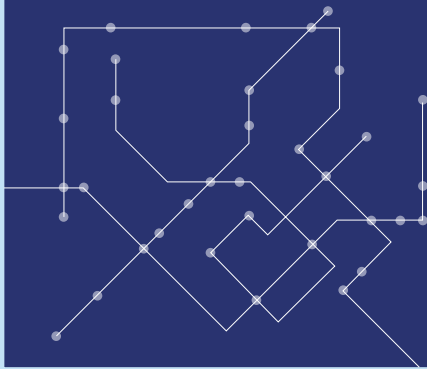
# THE SELECTED APPROACHES

## Water Sensitive Urban Design

- Reduce stormwater pollutant loads
- Maintain pre-development hydrology
- Enhance landscape and visual amenity
- Provide water for irrigation during periods of water restrictions
- Reduce need for downstream stormwater infrastructure
- Supplement centralized water supplies



## Transit-Oriented Development



- Optimize the amount of residential, commercial, and leisure space within walking distance of public transport
- Optimize connectivity through integration of public transport and minimizing coverage gaps
- Maximize public transit ridership
- Prioritize walking and cycling above all other modes of transport
- Minimize parking spaces and demand for motor vehicles

## Risk-Informed Development

- Protect development gains and alleviate poverty
- Strengthen the resilience of critical infrastructure
- Protect and maintain risk governance systems
- Provide disaster indicators and data profiles



# IMPLEMENTATION METHOD

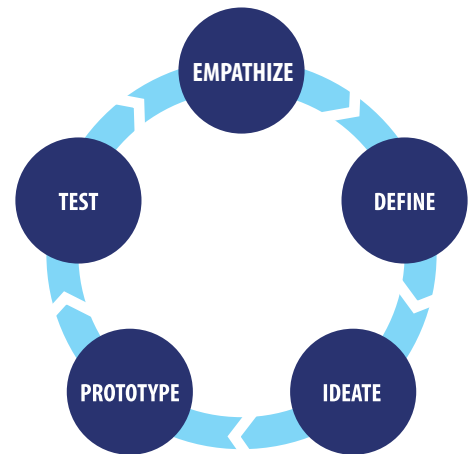
## 1 Strategic Urban Planning

An integrated and participatory approach to urban planning to identify urban challenges



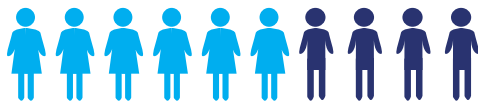
## 2 Human-Centered Design

A designing method in which participants go through five stages in developing more innovative designs to address old and new challenges



## 3 Gender Transformative

Identify and address at least one gender-specific challenge, by targeting a 60 percent female participation threshold for all gatherings (e.g. meetings, FGDs, workshops, etc.)



UNDP human-centered design workshop in Makassar





# FINANCING MECHANISM



# 10 PILOT CITIES

UNDP Indonesia Sustainable Urban Development Strategy has prioritized ten cities for the initial phase of engagement based on a quantitative and qualitative analysis. These cities were shortlisted after analyzing several factors including rapid urbanization and poverty levels.

**Banda Aceh**

**Medan**

**Pematang Siantar**

**Bandar Lampung**

**Bekasi**

**Semarang**

**Bogor**



Parepare



Mataram






Kupang





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