



# 12<sup>th</sup> UN-Habitat Environmental Technology Expert Group Meeting 第12回国連ハビタット環境技術専門家国際会議

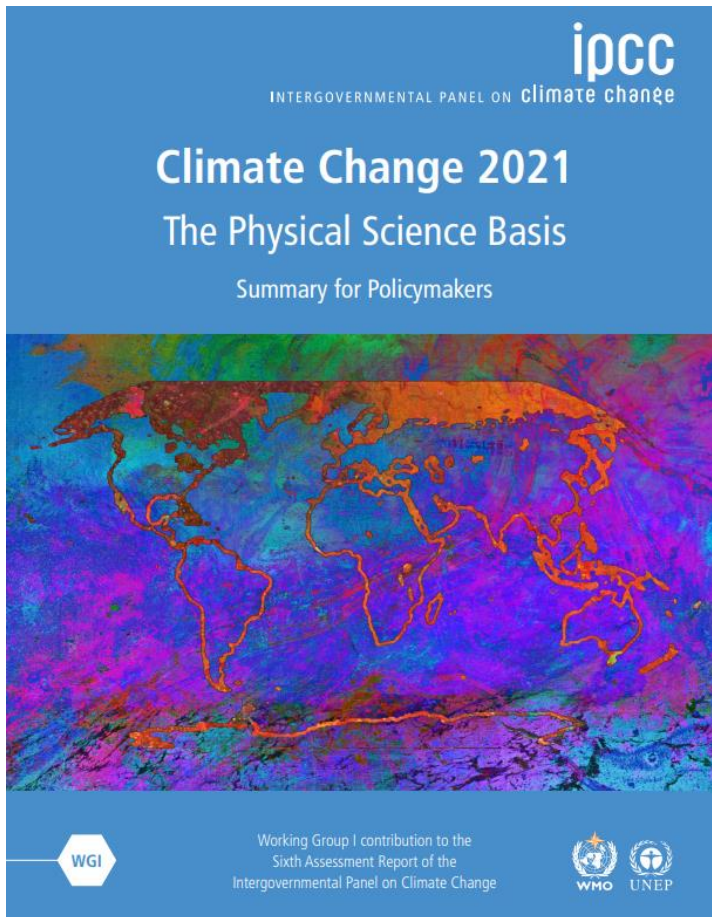
*Atsushi Koresawa*

*UN-Habitat Regional Representative for Asia and the Pacific*





# What does the IPCC Report say?

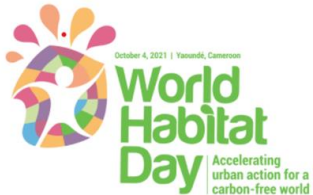


1. Recent changes in the climate are widespread, rapid, and intensifying and unprecedented in thousands of years
2. Emissions of greenhouse gases from human activities are responsible for approximately 1.1°C of warming since 1850
3. It is indisputable that human activities are causing climate change events, including heat waves, heavy rainfall, and droughts that are more frequent and more severe
4. Climate change is already affecting every region on Earth in multiple ways. The changes we experience will increase with further warming
5. Unless there are immediate, rapid and large-scale reductions in greenhouse gas emissions, limiting warming to 1.5°C will be beyond reach
6. To limit global warming, strong, rapid and sustained reductions in CO<sub>2</sub>, methane and other greenhouse gases are necessary

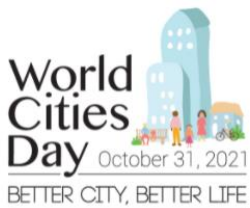
# Urban October focuses on the climate crisis



- The month begins with World Habitat Day on the first Monday of October, which falls on 4 October in 2021. The theme for this year's World Habitat Day is ***Accelerating urban action for a carbon-free world***. As cities are responsible for some 70 percent of global carbon dioxide emissions, we will look at how to create sustainable, carbon-neutral, inclusive cities and towns.

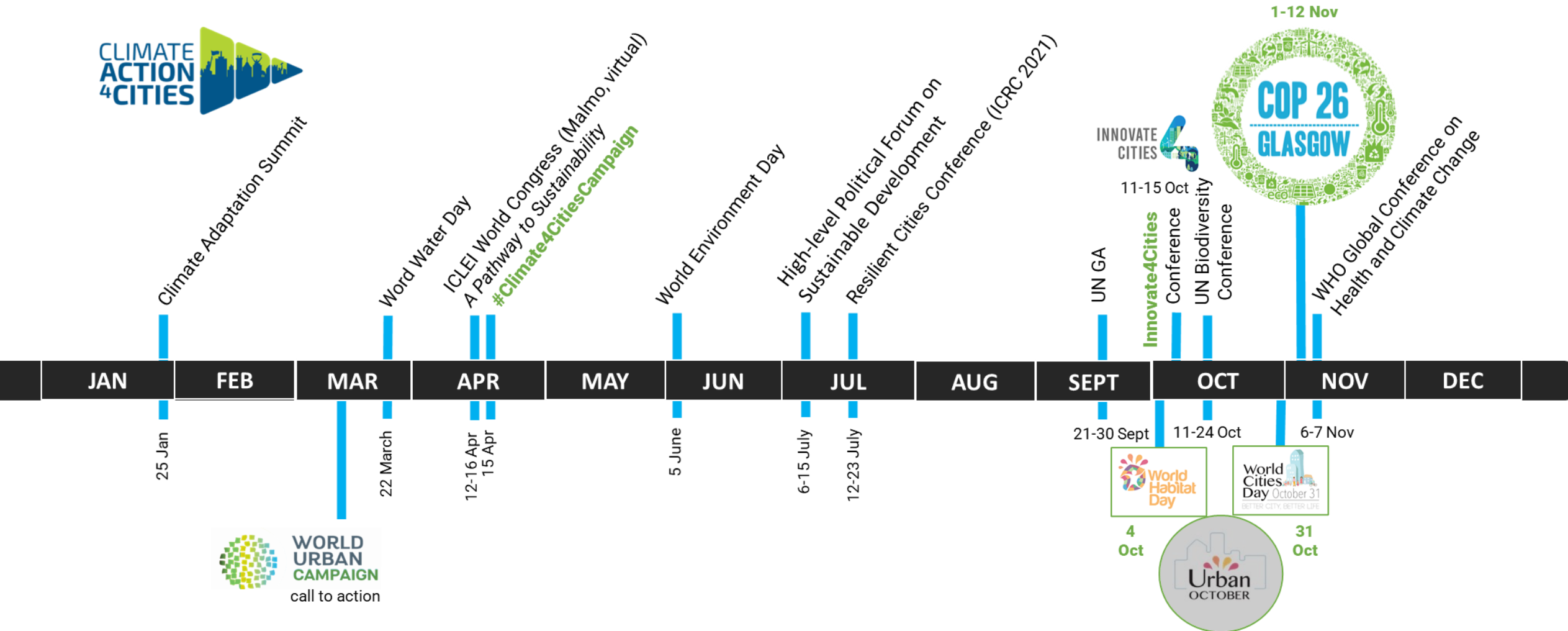


- Urban October ends with World Cities Day on 31 October 2021. **The specific theme for this year is *Adapting Cities for Climate Resilience*** as cities worldwide are increasingly suffering the effects of climate-related disasters, such as floods, droughts, sea level rise, heatwaves, landslides and storms. This will look at creating more sustainable, climate-resilient societies.



Adapting Cities for Climate Resilience

# Key events and milestones



# World Habitat Day Message



**Maimunah Mohd Sharif**  
Executive Director  
October 2021 Statement upon  
World Habitat Day

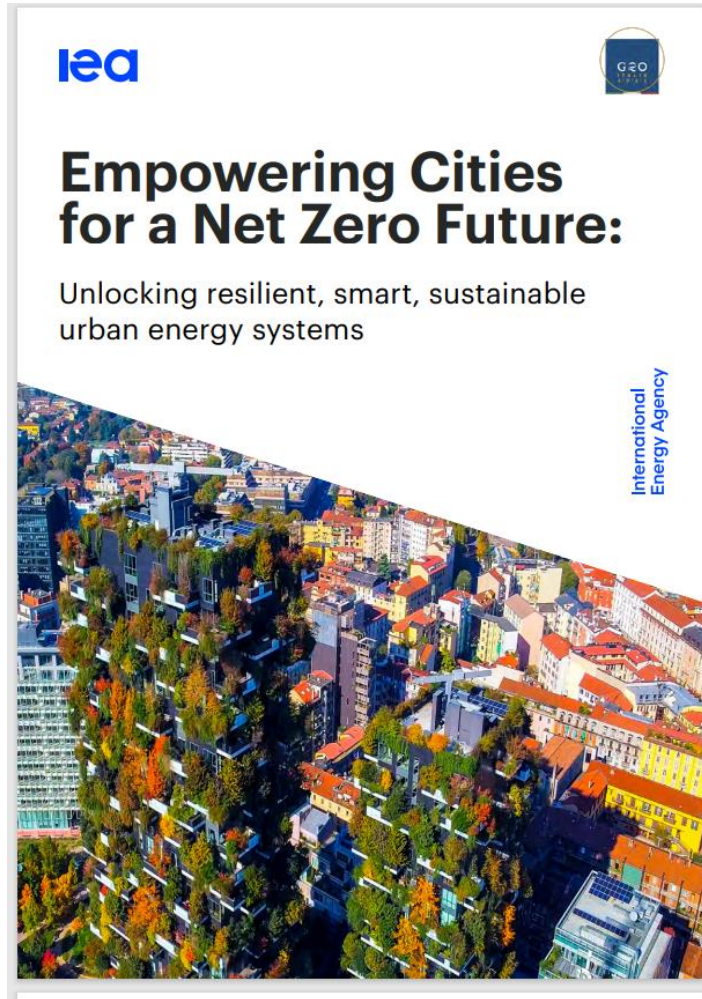
*It is our cities and towns which are responsible for much of the climate change, which is resulting in devastating floods, droughts and violent storms.*

*The recovery from the COVID-19 pandemic is an opportunity for the world's cities, to put climate action on top of their agenda.*

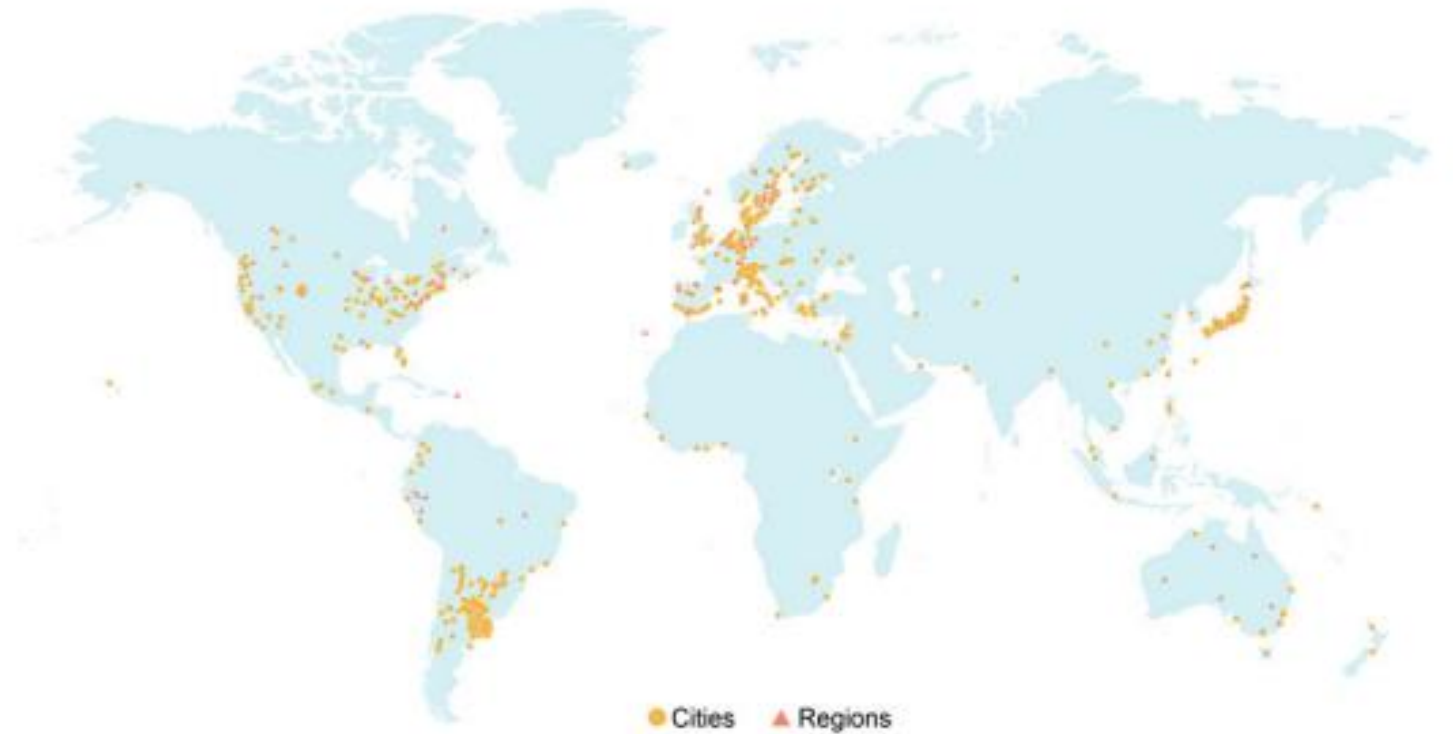
*This is a chance to change how we generate our power, construct our buildings, heat, cool and light up our offices and homes, and travel around from home to work.*

*Cities are the incubators of innovation and new technology. We must harness this strength for better climate change solutions.*

# Empowering Cities for a Net Zero Future



Cities and regions that pledged for some form of net zero targets



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Source: Adapted from Data-Driven EnviroLab & NewClimate Institute. (2020). Accelerating Net Zero: Exploring Cities, Regions, and Companies' Pledges to Decarbonise.

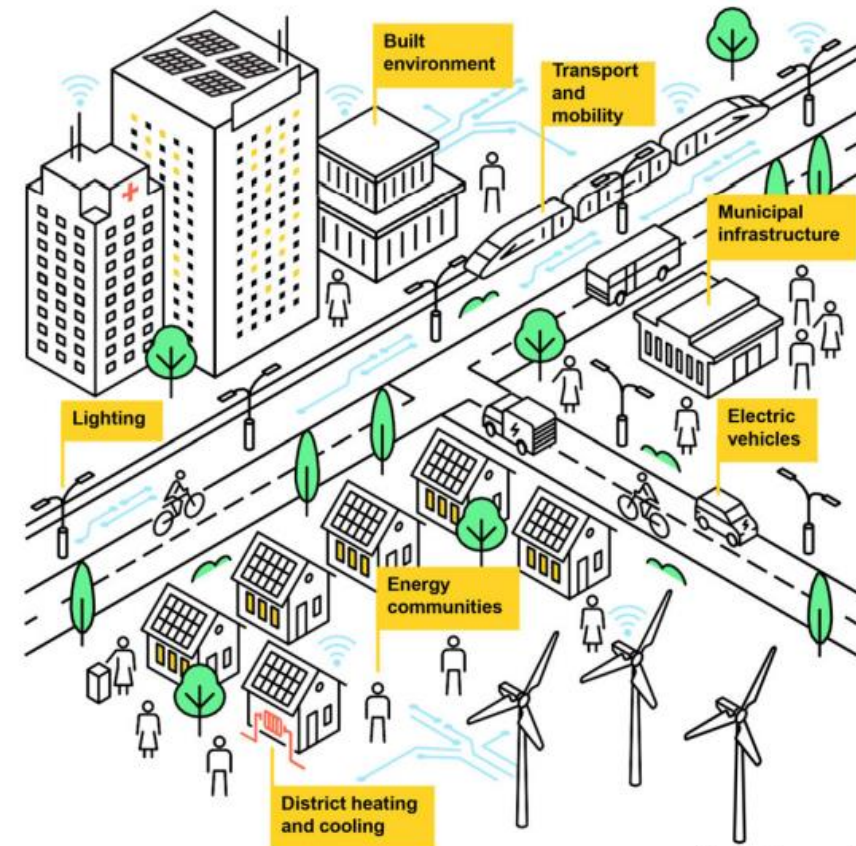
# Cities for a Net Zero Future

How cities can influence local energy systems



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## Cross-sector opportunities for smarter sustainable cities



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# UN-HABITAT CITIES & CLIMATE CHANGE

## INITIATIVE

Since 2009:

19 countries

431,000+ direct beneficiaries thru infrastructure and upgrading projects

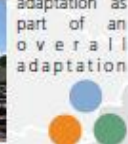
53 cities

17.8 million indirect beneficiaries thru city-level policies, plans, and assessments

256 communities

### URBAN ECOSYSTEM-BASED ADAPTATION TO BUILD CITY-WIDE RESILIENCE

'Building climate resilience of urban systems through Ecosystem-based Adaptation in the Asia-Pacific region (Urban Eba)' is a four-year US\$6m regional project, funded by the Least Developed Countries Fund (LDCF) of the Global Environment Facility (GEF) and implemented jointly with UN Environment. UN-Habitat is developing training materials and tools to build the capacity of urban stakeholders in 5 cities in **BHUTAN, CAMBODIA, LAO PDR AND MYANMAR** to use ecosystems-based adaptation as part of an overall adaptation



### NATIONAL POLICY SUPPORT

UN-Habitat worked together with UN Environment, with support from the European Commission, on the Myanmar Climate Change Alliance Programme. Among other goals, the MCCA programme supported the government of **MYANMAR** to develop its first National Climate Change Strategy and Action Plan, National Climate Change Policy and, critically, its Nationally Determined Contribution of the Paris Agreement. Building on the multisectoral climate change work, UN-Habitat is taking a leading role in supporting the mainstreaming of climate action in the work programmes and budgets of Myanmar's national sectoral agencies and in piloting local action to make townships more resilient.



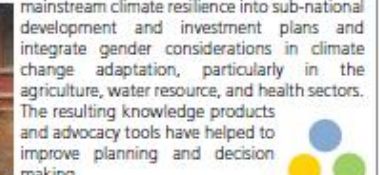
### CLIMATE FINANCE FOR URBAN BASIC SERVICES

In 2016, UN-Habitat accessed US\$4.5m from the Adaptation Fund to provide small-scale climate resilient infrastructure to 110,000 people in 189 villages. Based on its innovative assessment methods, timely delivery and proof of results, UN-Habitat worked closely with the government of **LAO PDR** to access a further US\$5.9m in multilateral climate finance; US\$5.5m from the Adaptation Fund to deliver climate resilient infrastructure in other areas, and US\$400,000 from the GCF Readiness Programme to study and build capacity on climate resilience along the East West Economic Corridor (EWEC).



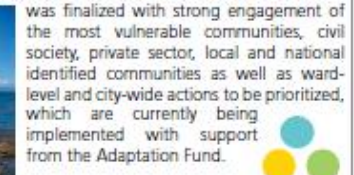
### MAINSTREAMING GENDER & CLIMATE RESILIENCE

**CAMBODIA** is one of the world's most vulnerable countries to the effects of climate change. With the support of UN-Habitat and through partnerships with Asian Development Bank, Save the Earth Cambodia and Forum Syd Sweden, government ministries have increased their institutional and technical capacity to mainstream climate resilience into sub-national development and investment plans and integrate gender considerations in climate change adaptation, particularly in the agriculture, water resource, and health sectors. The resulting knowledge products and advocacy tools have helped to improve planning and decision making.



### FROM CITY-WIDE RESILIENCE PLANNING TO CLIMATE FINANCE

When floods destroyed significant parts of Honiara, **SOLOMON ISLANDS**, in 2014, the climate change vulnerability assessment report that had just been finalized with support of UN-Habitat proved very useful for the post-disaster recovery and reconstruction. The floods also triggered a more comprehensive planning process, again supported by UN-Habitat. A climate change action plan was finalized with strong engagement of the most vulnerable communities, civil society, private sector, local and national identified communities as well as ward-level and city-wide actions to be prioritized, which are currently being implemented with support from the Adaptation Fund.



### MULTI-GOVERNANCE FOR LOW EMISSION URBAN DEVELOPMENT

**INDIA** has committed to reduce its emissions by 33-35% by 2030 from its 2005 level. The National Action Plan on Climate Change (NAPCC) for India outlines initiatives to promote sustainable development. With UN-Habitat's support, the Government of India is developing a framework to enhance the configuration of roles and responsibilities across international, national, and local government entities with an eye towards achieving the NDC pledge. The framework identifies opportunities for monitoring, reporting and verifying GHG emissions as well as accessing climate finance for low emissions development strategies in urban areas.



### URBAN DESIGN FOR CLIMATE RESILIENCE

Five cities across the **PHILIPPINES** archipelago are being supported in developing comprehensive climate change action plans followed by fundable, resilience-building urban design plans. These build the foundation for the development of training material for government agencies that support land use and climate change planning. To strengthen the national planning framework and to guide cities towards the development of projects that can attract climate finance, a supplemental policy guide to the Comprehensive Land Use Planning framework was developed.



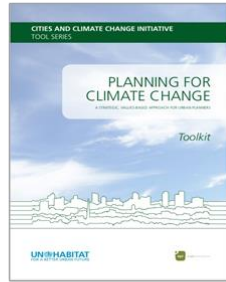
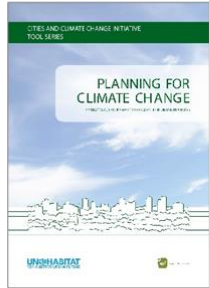
### BUILDING THE CLIMATE RESILIENCE OF THE MOST VULNERABLE

People living in informal settlements are often the ones facing the highest risks; beyond socio-economic challenges, they are more likely to live in hazard prone areas, and their informal nature leaves them outside of the legal and regulatory systems. UN-Habitat supports the government of **FIJI** in addressing climate change resilience of the urban poor as well as informal settlements upgrading in an integrated manner. Informal settlement communities are at the forefront of identifying risks and planning concrete resilience actions, with vulnerable groups, such as women, youth, the elderly, and people with disabilities, directly engaged in the process. By 2021, 16 informal settlements will implement priority actions that directly support the government's National Adaptation Plan, including better infrastructure and resilient livelihoods.

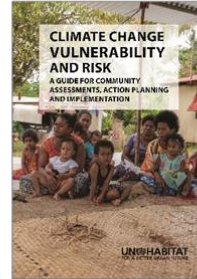
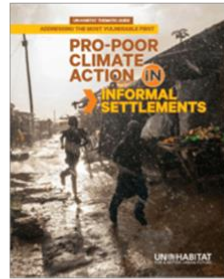


# Normative and Operational Guidelines

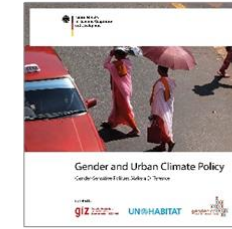
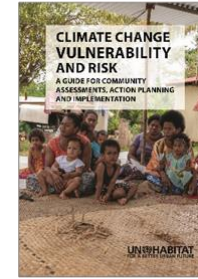
## Planning for Climate Change



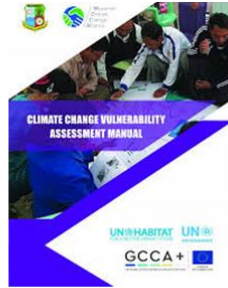
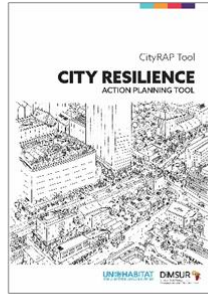
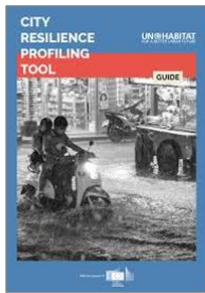
## Building climate resilience in informal settlements



## Tools to enhance social inclusion



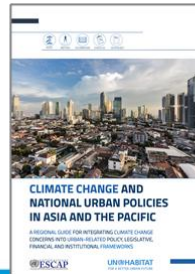
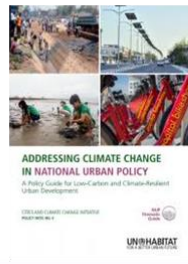
## City profiling and city-wide assessments



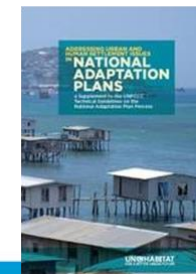
## City action planning & strategies



## Climate change & urban policies



## NDCs & NAPs and human settlements



# Our Common Agenda

Restore trust and inspire hope, UN chief says in message to UNGA76



UN Photo/Cia Pak | Secretary-General António Guterres addresses the opening of the general debate of the UN General Assembly's 76th session.



***I am here to sound the alarm. The world must wake up. We are on the edge of an abyss and moving in the wrong direction.***

***Our world has never been more threatened. Or more divided. We face the greatest cascade of crises in our lifetimes.***

# Key Proposals Across the 12 Commitments

All in line with and designed to accelerate the achievement of the SDGs.



**LEAVE NO ONE  
BEHIND**



**PROTECT OUR  
PLANET**



**PROMOTE PEACE  
& PREVENT  
CONFLICTS**



**ABIDE BY  
INTERNATIONAL  
LAW & ENSURE  
JUSTICE**



**PLACE WOMEN &  
GIRLS AT THE  
CENTER**



**BUILD TRUST**



**IMPROVE DIGITAL  
COOPERATION**



**UPGRADE THE  
UNITED NATIONS**



**ENSURE  
SUSTAINABLE  
FINANCING**



**BOOST  
PARTNERSHIPS**



**LISTEN TO &  
WORK WITH  
YOUTH**



**BE PREPARED**



# *Deliver our passion and heart to people*



*Thank you*