

*Bangkok, July 13<sup>th</sup> 2017*

# International perspective on climate change and human settlements

GIZ Kick-off Workshop on Mainstreaming Climate Change Adaption  
Planning in Human Settlements Sector

Tam Hoang, Partners Advisor  
UN-Habitat ROAP, Bangkok Liaison Office  
*e-mail:* [habitatbkk@un.org](mailto:habitatbkk@un.org)

## Key areas to be discussed

1. Global and regional trend of urbanization
2. International policy and cooperation on cities and climate resilience (e.g. New Urban Agenda, SDGs)

## Question & Answer time

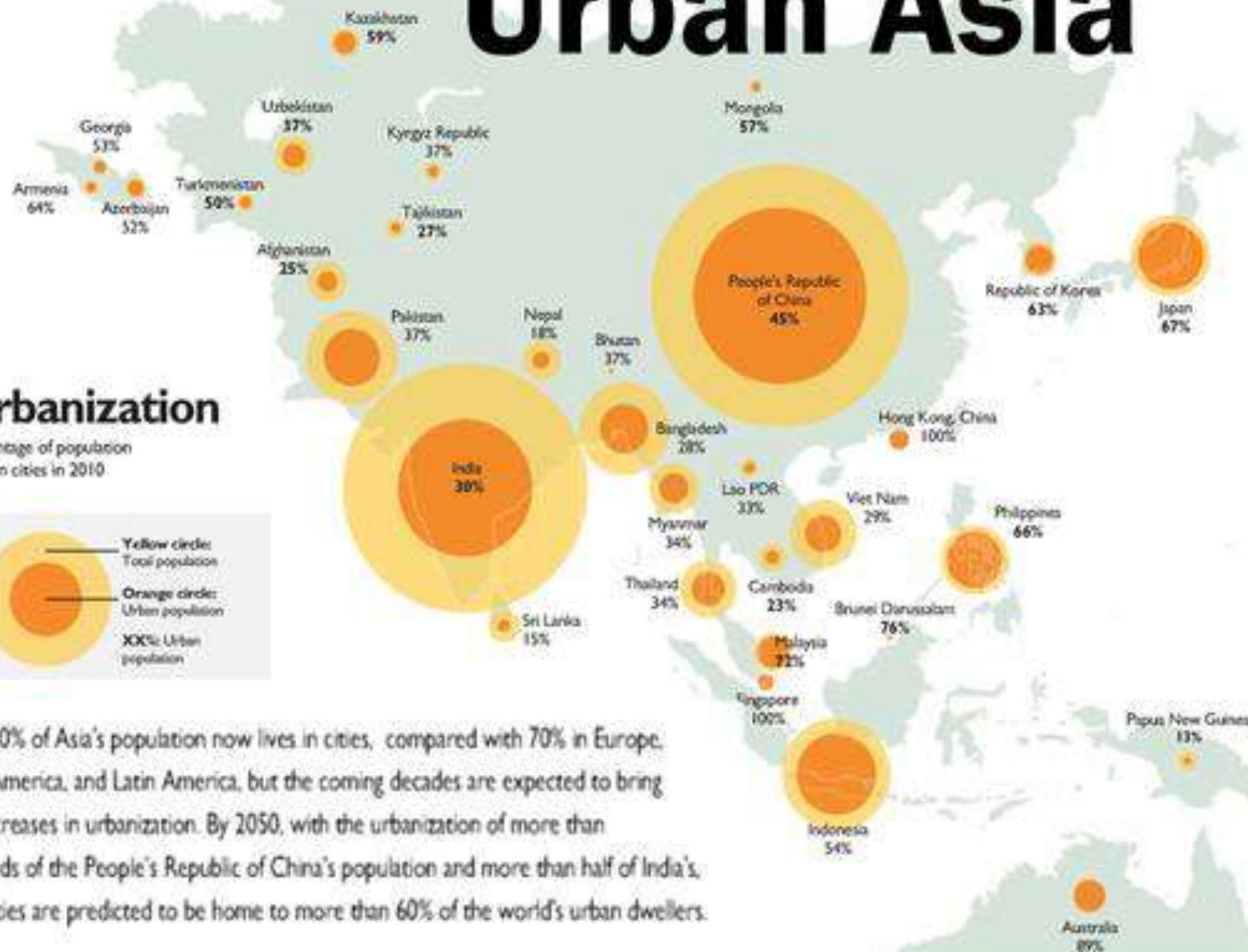
# Urban Asia

## Urbanization

Percentage of population living in cities in 2010



About 40% of Asia's population now lives in cities, compared with 70% in Europe, North America, and Latin America, but the coming decades are expected to bring rapid increases in urbanization. By 2050, with the urbanization of more than two-thirds of the People's Republic of China's population and more than half of India's, Asia's cities are predicted to be home to more than 60% of the world's urban dwellers.



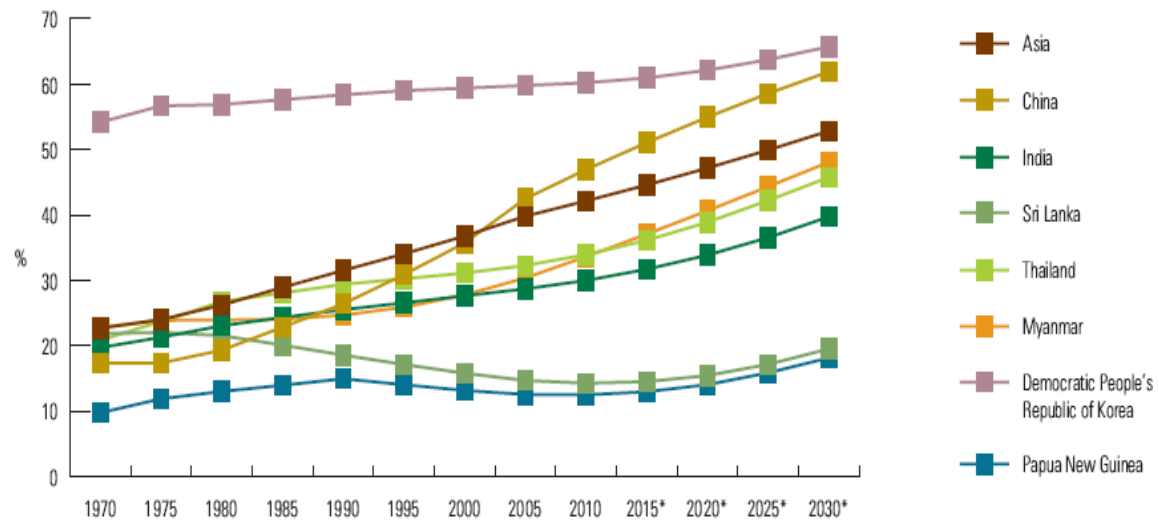


"We're waiting for the city to come to us..."

# Urbanization Trends



CHART 2.2: ASIA'S URBANIZATION TRENDS, 1970-2030\*



\*Projections  
Source: United Nations (2010)

# Asian Cities with Population of 10 millions

TABLE 2.11: ASIAN CITIES WITH POPULATIONS OF 10 MILLION OR MORE

1975			2000			2010			2020*		
Ranking	City	Pop. (mil.)	Ranking	City	Pop. (mil.)	Ranking	City	Pop. (mil.)	Ranking	City	Pop. (mil.)
1	Tokyo	26.61	1	Tokyo	34.45	1	Tokyo	36.67	1	Tokyo	37.09
			2	Mumbai	16.09	2	Delhi	22.16	2	Delhi	26.27
			3	Delhi	15.73	3	Mumbai	20.04	3	Mumbai	23.72
			4	Shanghai	13.22	4	Shanghai	16.58	4	Shanghai	19.09
			5	Kolkata	13.06	5	Kolkata	15.55	5	Dhaka	18.72
			6	Osaka-Kobe	11.17	6	Dhaka	14.65	6	Kolkata	18.45
			7	Dhaka	10.28	7	Karachi	13.12	7	Karachi	16.69
			8	Karachi	10.02	8	Beijing	12.38	8	Beijing	14.30
			9	Moscow	10.00	9	Manila	11.63	9	Manila	13.69
						10	Osaka-Kobe	11.34	10	Istanbul	11.69
						11	Moscow	10.55	11	Moscow	11.66
						12	Istanbul	10.52	12	Osaka-Kobe	11.37
									13	Shenzhen	10.59
									14	Chongqing	10.51
									15	Guangzhou	10.41
									16	Jakarta	10.26

\*Projections

Source: United Nations (2010)

# Outline

Figure 1-A

Growth of urban populations across the Asia-Pacific (2005-2015)

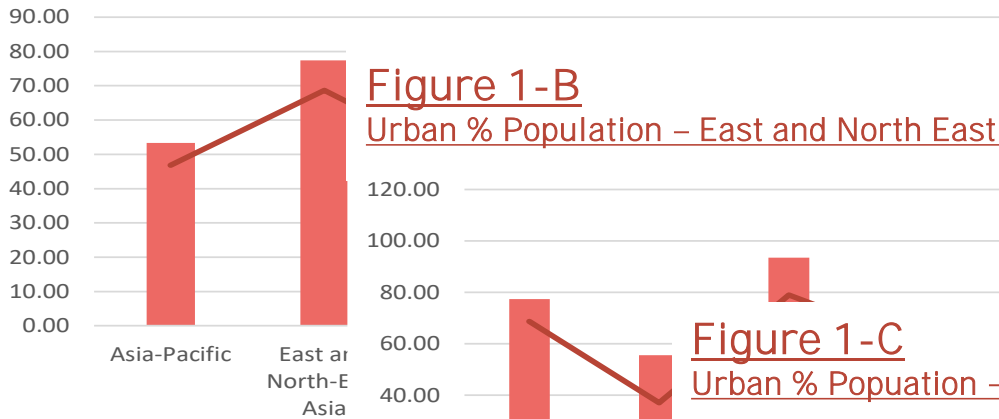


Figure 1-B

Urban % Population – East and North East Asia (2005-2015)

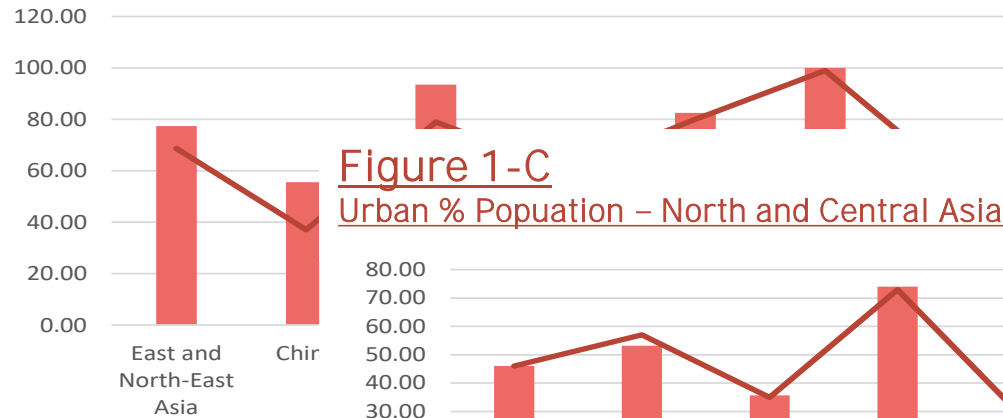


Figure 1-C

Urban % Population – North and Central Asia (2005-2015)

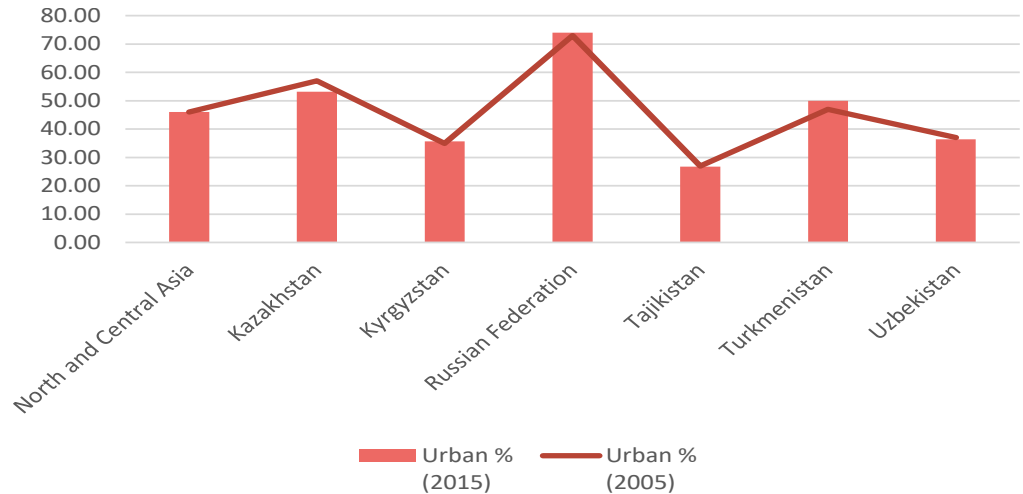




Figure 1-D  
Urban % Population – Pacific (2005-2015)

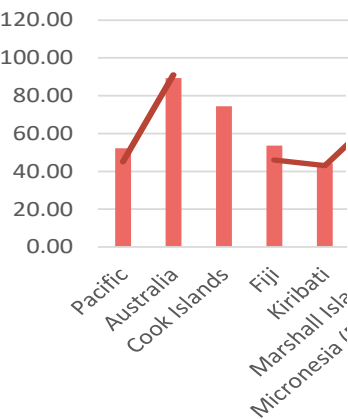


Figure 1-E  
Urban % Population – South East Asia (2005-2015)

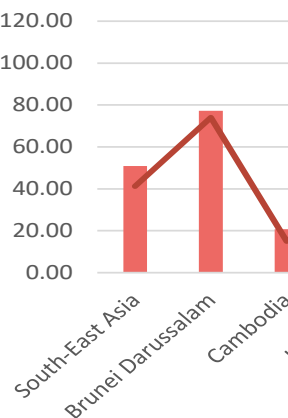
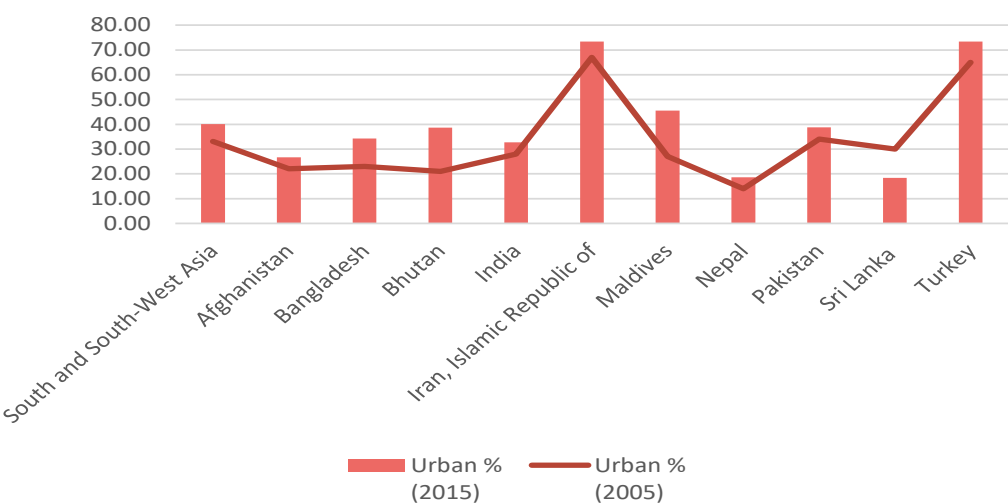


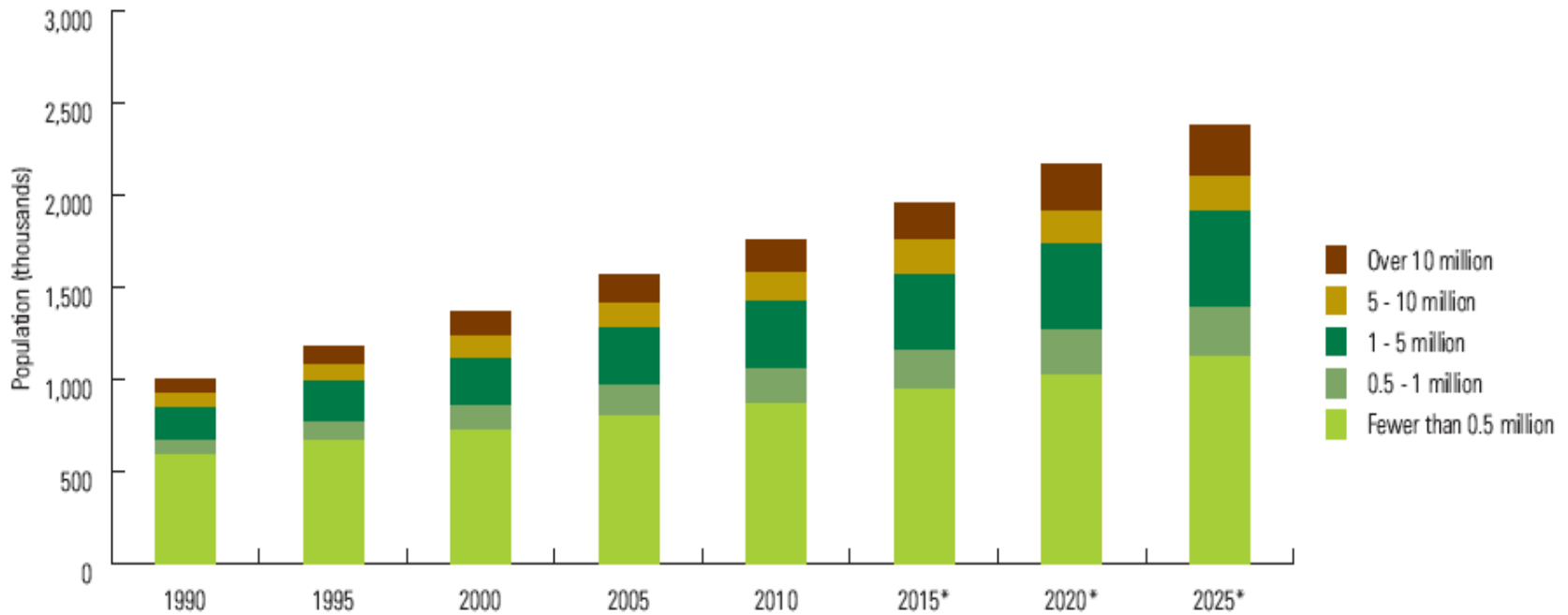
Figure 1-F  
Urban % Population – South and South-West Asia (2005-2015)





# Population Distribution in Asia

CHART 2.10: THE DISTRIBUTION OF SETTLEMENTS IN ASIA



\*Projections

Source: United Nations (2010)

## Three drivers of urbanization

- **Natural growth:** City populations are increasing naturally as urban families expand.
- **Reclassification of rural areas:** Formerly rural are redefined as urban due to administrative changes or in situ population increases.
- **Migration:** Rural residents or foreigners migrate to towns and cities in search of economic and social opportunities.

# Number and % of people living in slums

TABLE 4.5: SLUM POPULATION IN ASIA AND THE PACIFIC SUBREGIONS, 2010 (PROJECTIONS)

Region	Urban population (1,000s)	Slum population (1,000s)	Urban population living in slums (%)
Eastern Asia	671 795	189 621	28.2
Southern Asia	545 766	190 748	35.0
South Eastern Asia	286 579	88 912	31.0
Western Asia	145 164	35 713	24.6
Oceania/Pacific	2 306	556	24.1
Asia-Pacific	1 651 610	505 550	30.6

Source: UN-HABITAT (2010)



# Land use/cover patterns and changes in Bangkok city

**Table:**

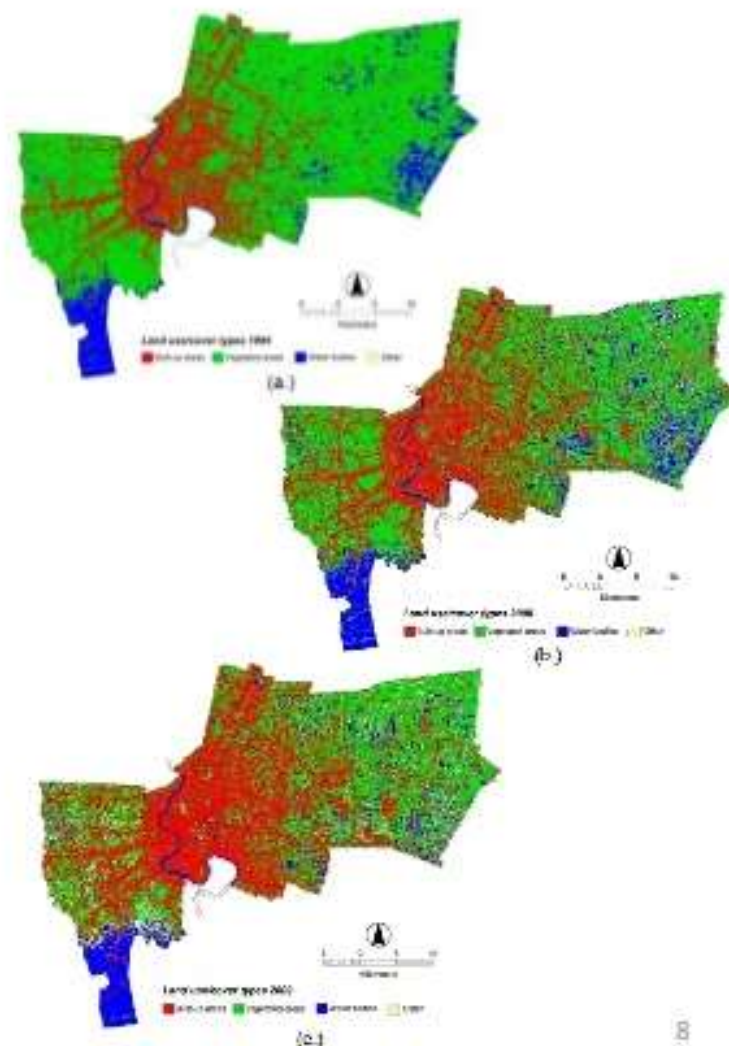
Land use/cover statistics (area in sq.km, percentage of the total study area) in Bangkok

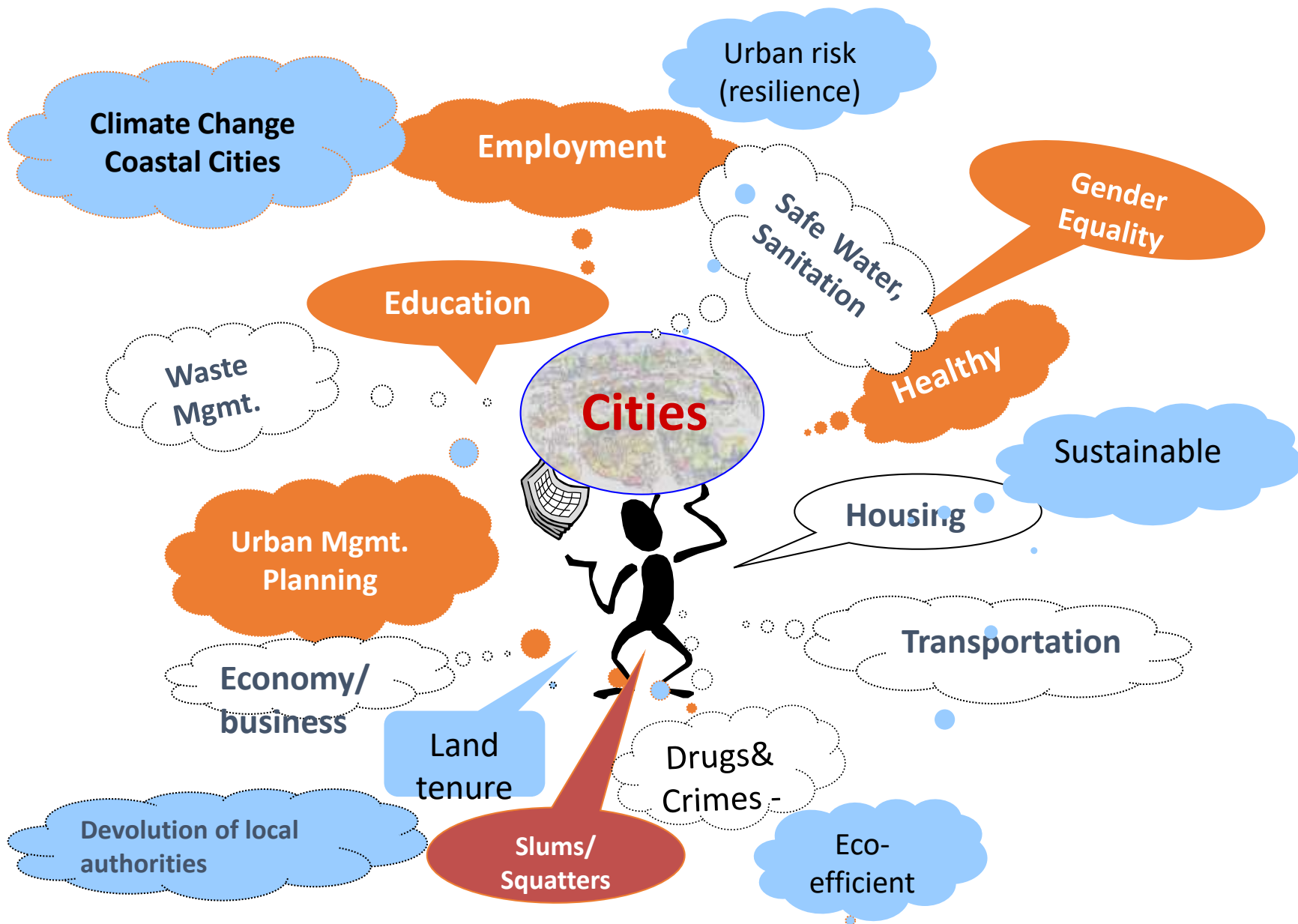
LULC Types	Year			Changes
	1994	2000	2009	1994-2009
Built-up area	233.33 (14.80%)	519.87 (32.98%)	657.29 (41.70%)	423.96 (26.90%)
Vegetated area	1,131.08 (71.76%)	777.52 (49.33%)	636.01 (40.35%)	-495.07 (-31.41%)
Water bodies	177.69 (11.27%)	207.36 (13.16%)	167.95 (10.66%)	-9.73 (-0.62%)
Other (bare land)	34.00 (2.16%)	71.36 (4.53%)	114.84 (7.29%)	80.84 (5.13%)

❑ Agricultural land was converted to urban uses as Bangkok expanded along three major transport corridors to the southwest, southeast and north of the city.

❑ The expansion of urban land use is characterized by unplanned, sprawl and ineffectively regulated.

Source: Srivaniit, M. and Hokao, K., 2012





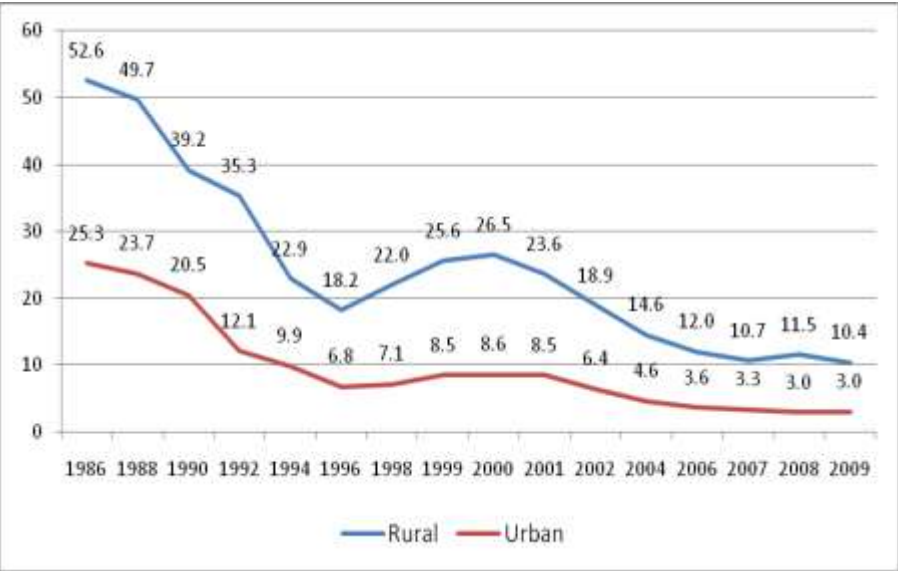
- **Poverty reduction and improved living standards:** Well managed urbanization is associated with positive development outcomes.
- **Efficient and cost effective public services:** The density of urban areas offers the possibility of better services and infrastructure.
- **Better access to rural services and livelihoods:** Including urban markets for agricultural produce, rural development, migration and remittances.

- **The ‘urbanization of poverty’:** Poverty in the Asia-Pacific is shifting from rural to urban areas.
- **Growing inequality:** Even affluent and economically successful cities like Shanghai contain concentrations of extreme poverty.
- **Increasing vulnerability of the urban poor:** Rapid and unplanned urbanization is resulting in acute rights and protection gaps.



# Poverty distribution map for Thailand

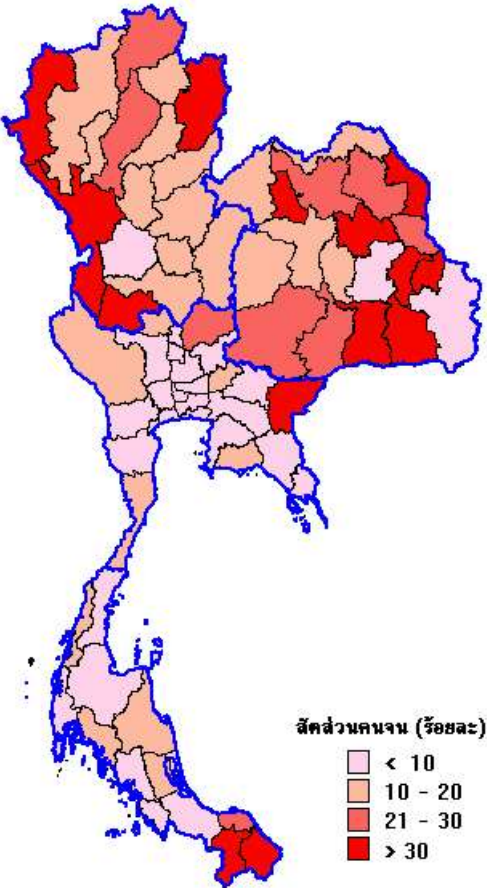
Proportion of Poor Population in Urban and Rural Area, Thailand



Poverty headcount ratio at urban poverty line :  
reduced from 23.70% in 1988 to 3.00% in 2009

Source: <http://www.siamintelligence.com/income-gap-in-thai-society-part1/>

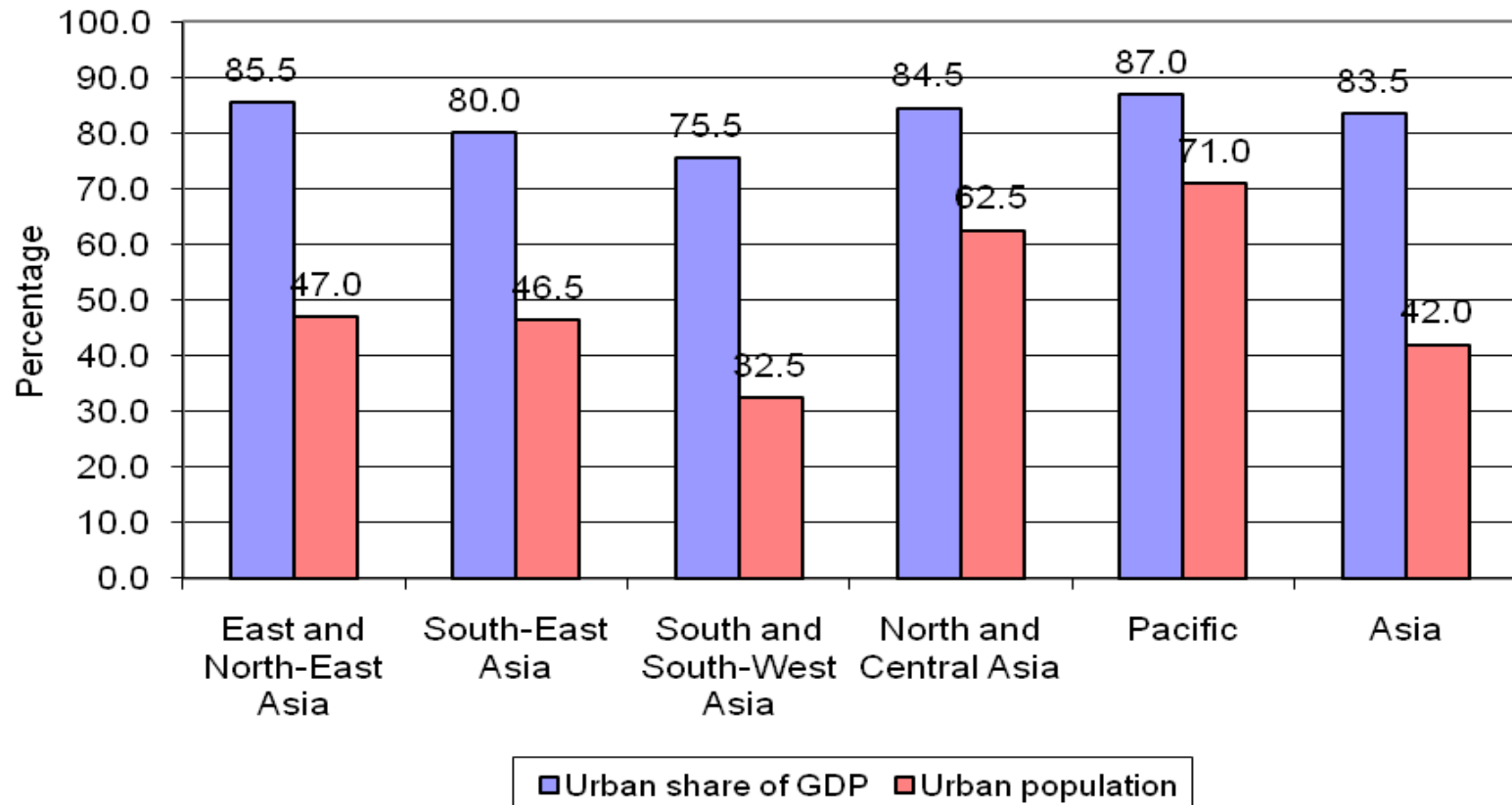
Thailand Poverty Map (2002)



Source: NSO Thailand

Proportion of poor people are more in rural area – in the northern and north eastern regions, especially in the border provinces

## Urban share of GDP versus Urban population



## Why is Urbanization a Challenge?

- **An anti-urban tradition:** Many countries in the past discouraged urban growth through restrictions or 'ruralization' programs.
- **The speed of urbanization:** In many areas, urban growth is outstripping services or infrastructure development.
- **The changing nature of cities:** Traditional governance is slow to adapt to new urban forms, from 'megaregions' to peripheral settlements.
- **Knowledge and data gaps:** Limited information on urban poverty and lack of capacity is undermining the ability to respond appropriately.

## Key Areas for Intervention

- **Governance:** Urban policies, land management, housing and service rights, public protection.
- **Poverty reduction and employment:** Job security, social inclusion, decent work, welfare.
- **Basic services:** Availability, accessibility and affordability of education, health care and other services.
- **Food nutrition, agriculture & rural-urban linkages:** Food security, rural-urban governance, migration.
- **Environment and DRR:** Green development, natural disasters, climate change, sanitation, waste disposal.



## Urban transformation in Asia and the Pacific

- Urban Divide (urban inequality) is widening
- Current consumption patterns in Asian cities unsustainable
- Urban poor more vulnerable to climate change and disaster risks, especially urban risks
- Decentralization drive strengthened power of local authorities – devolution
- Civil society found expanded role in urban governance
- Transforming traditional social structures
- The region's rapid growth is altering the nature of its cities
- Focus of the region decisively shift to cities
- Urbanization is a vehicle for national economic and social transformation

## Urbanization is redefining the region

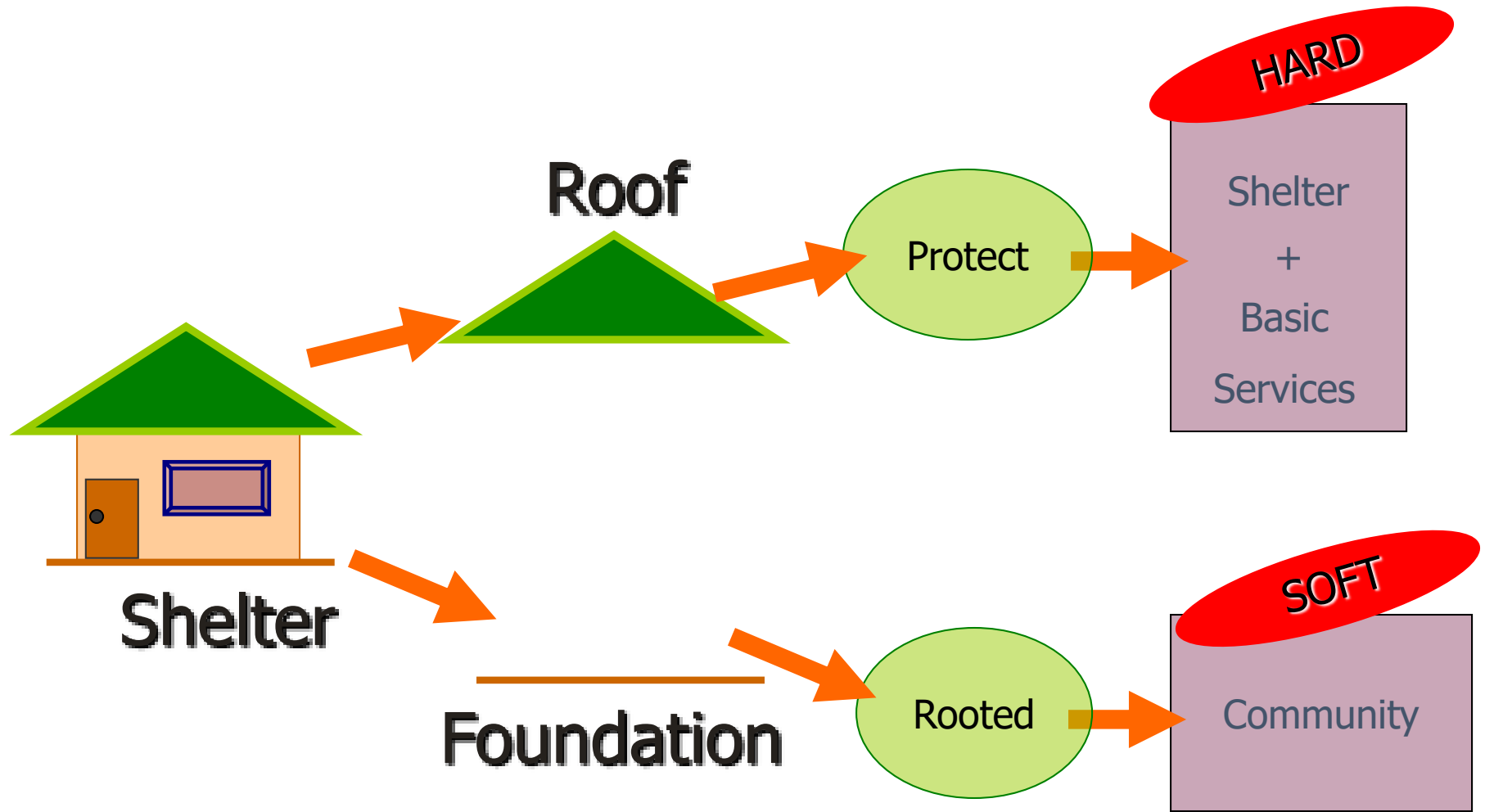
- **Economically:** 42% Urban areas account for 84% of the region's GDP, Economies of Scale, Diversified employment Opp (Factory to Knowledge /Services), Globally connected
- **Socially:** Defining social and cultural norms, even in rural areas, innovations, diverse and divided (Urban poverty, slums), urban violence and crime, social media
- **Politically:** Urban space frontline of political change, from civil activism to globalization, decentralization
- **Environmentally:** 2% (urban surface) / 75% resource use and emissions, air pollution negative GDP (2-4%), Urban Risk and Vulnerabilities, 54% in low-elevation coastal zone, Urban sprawl, Unsustainable Consumption and Production



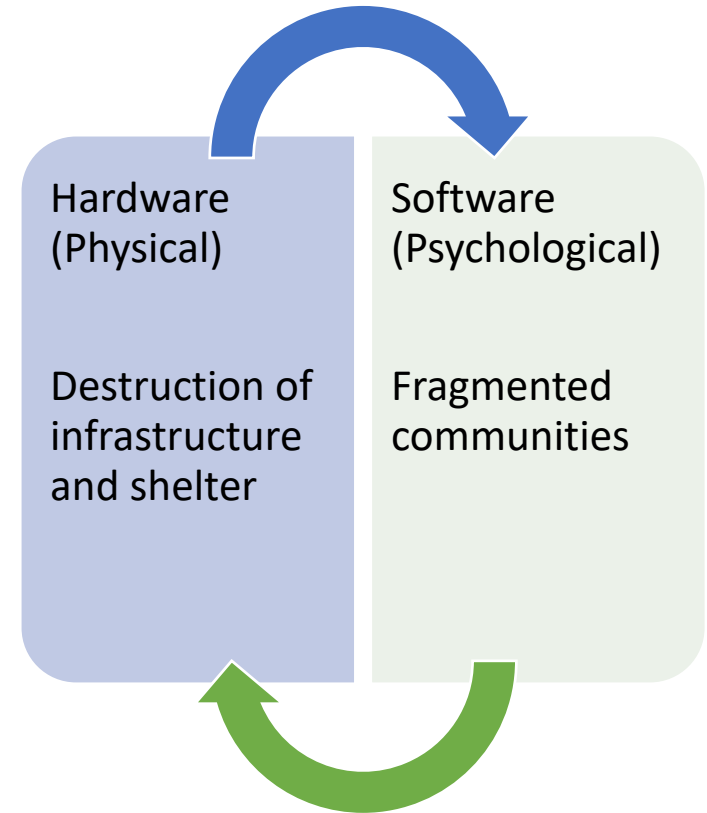
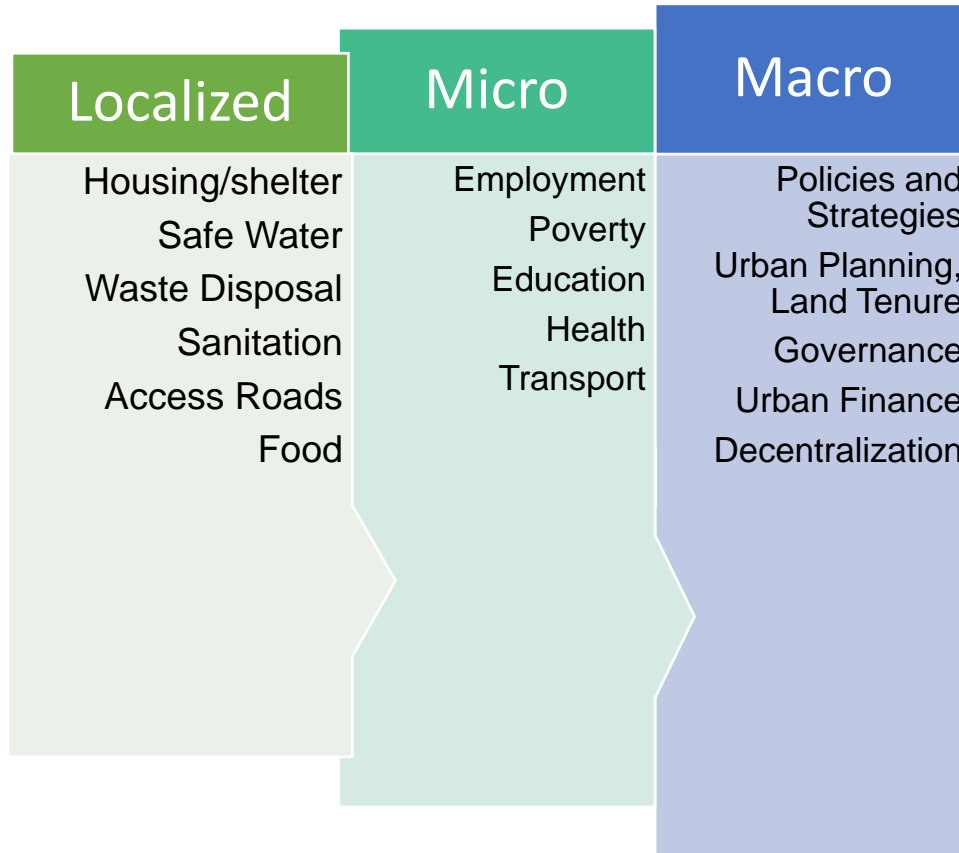
# Global Goals for Sustainable Development



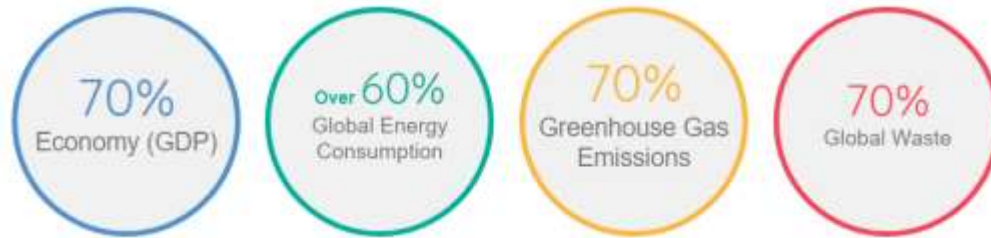
# Global Goals for Sustainable Development



# What are “human settlements”?



Cities today occupy approximately **only 2%** of the total land, however:

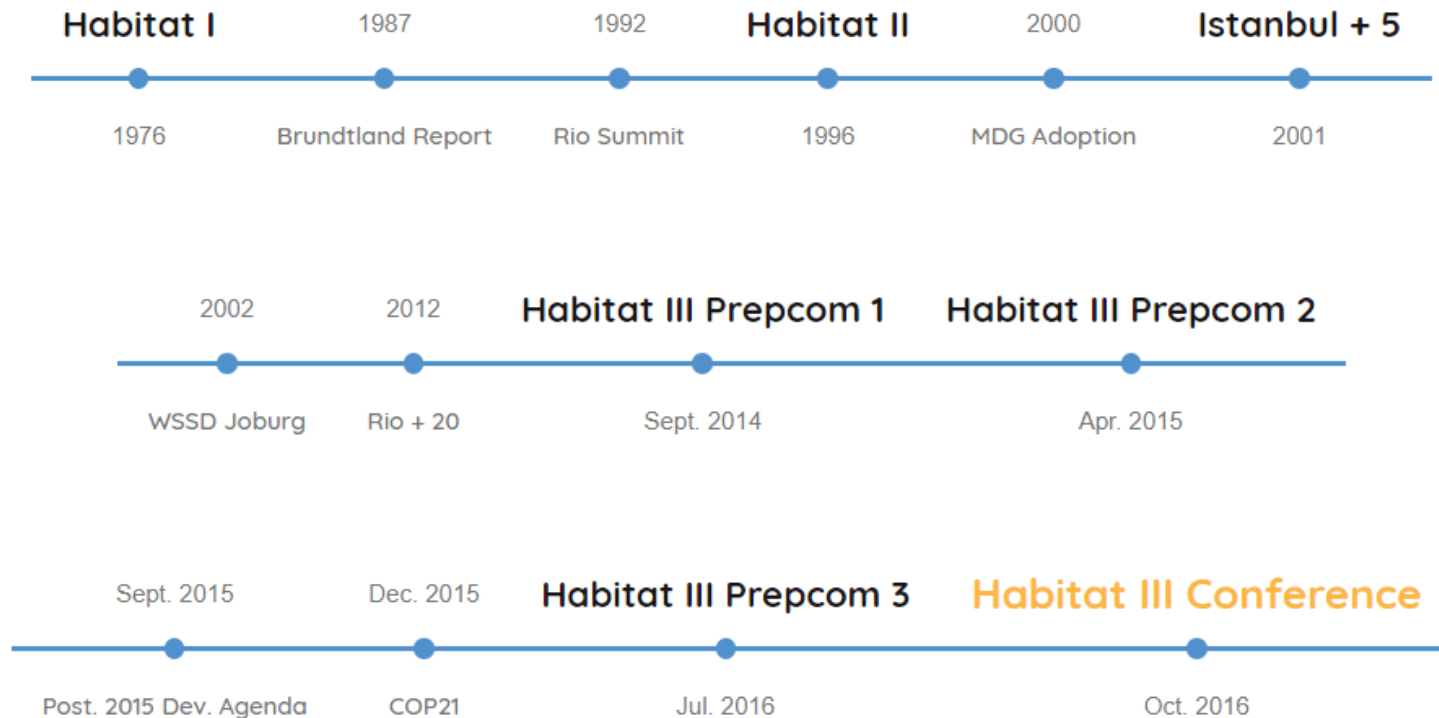


## CHAPTER 1:

## CITIES & A TERRITORIAL APPROACH TO THE SDGs



Growing recognition of urbanization reflected in global frameworks for sustainable global development.



# UN-Habitat Role in the New Urban Agenda

- **1976** – Habitat I conference in Vancouver
- **1978** - United Nations Center for Human Settlements (UNCHS) established
- **1996** – The Habitat Agenda – Habitat II conference in Istanbul
- Cities as Engine of Growth
- **1997** – Regional Office for Asia and the Pacific (ROAP) in Fukuoka, Japan
- **2002** – Upgraded to the United Nations Human Settlements Programme
- **2015** – Post 2015 – Sustainable Development Goals – Goal 11
- **2016** – Habitat III - New Urban Agenda
- **2017** – Action Framework for the Implementation of the NUA



Habitat I, Vancouver 1976



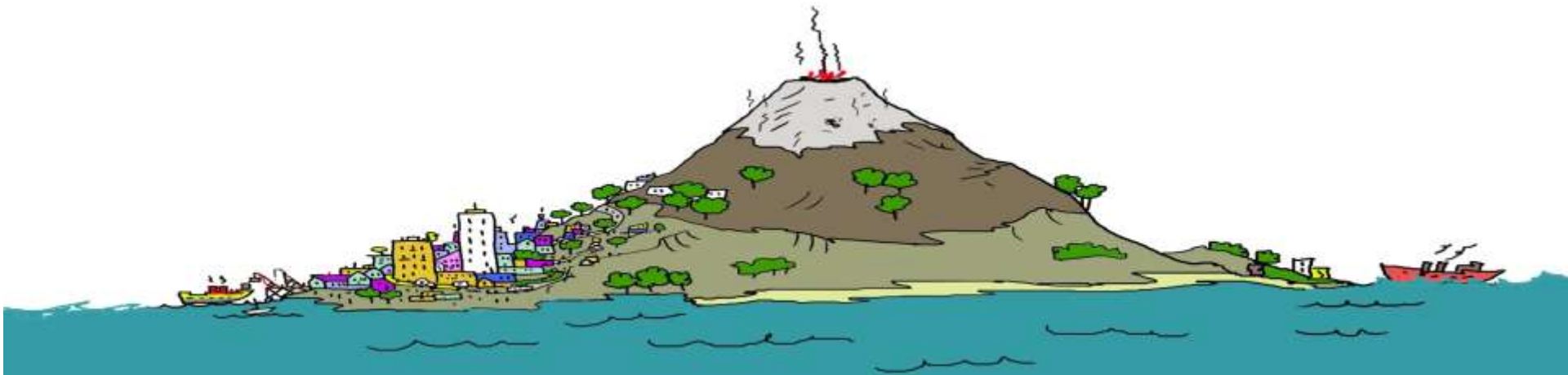
Habitat II, Istanbul 1996 - SG Boutros-Ghali



Habitat III, Quito 2016

### “Urban Resilience”:

The ability of any ***urban system*** to absorb and recover quickly from the impact of ***any plausible hazards***.



No Ambiguity



## Values Principles – CRPP Approach

For any ***plausible hazard***, CRP will assist city stakeholders to ensure:

- Reduction in loss of life;
- Reduction in loss and damage to property;
- Continuity of function.

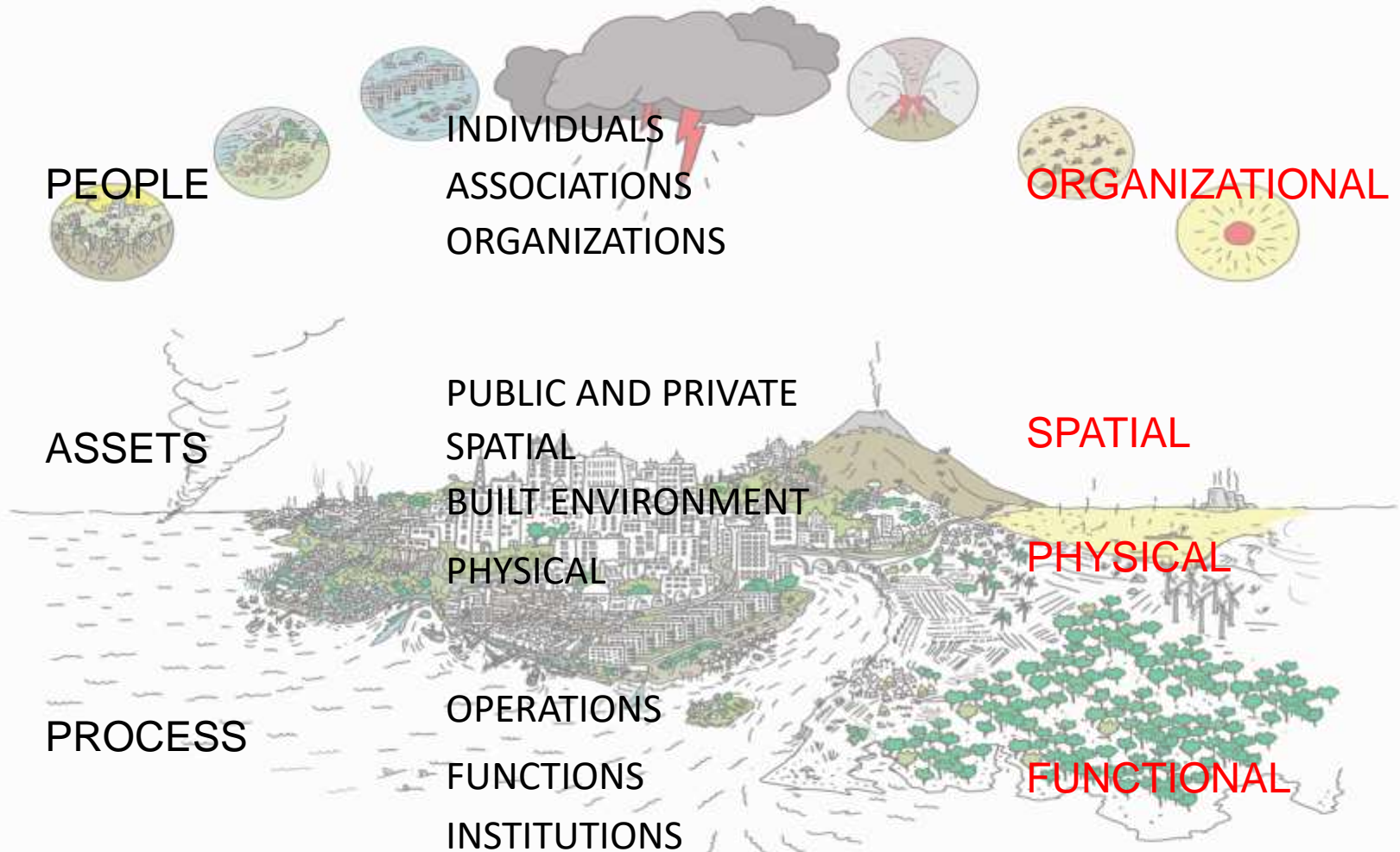
People

Assets

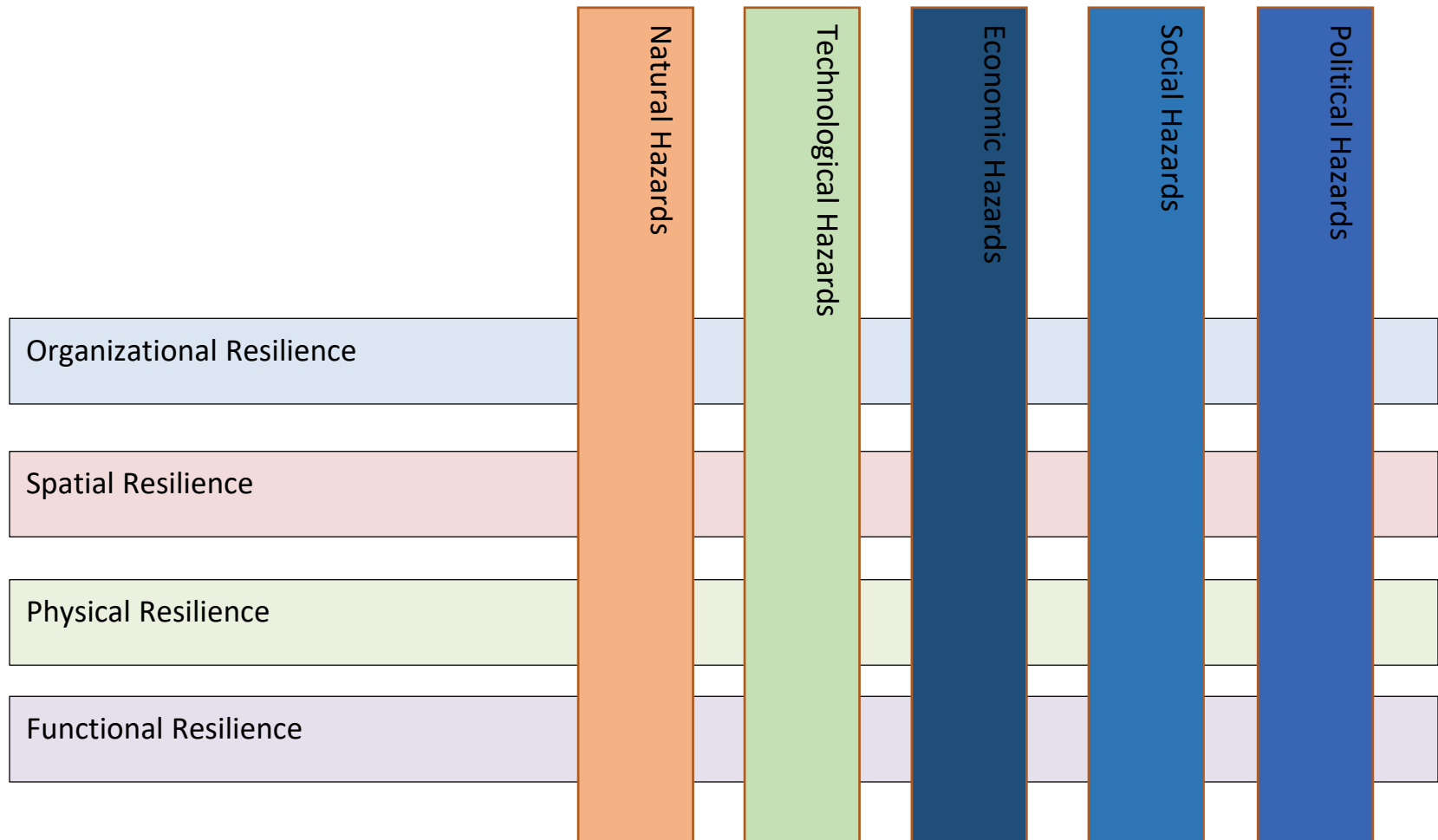
Process



## So – in cities, resilience is about



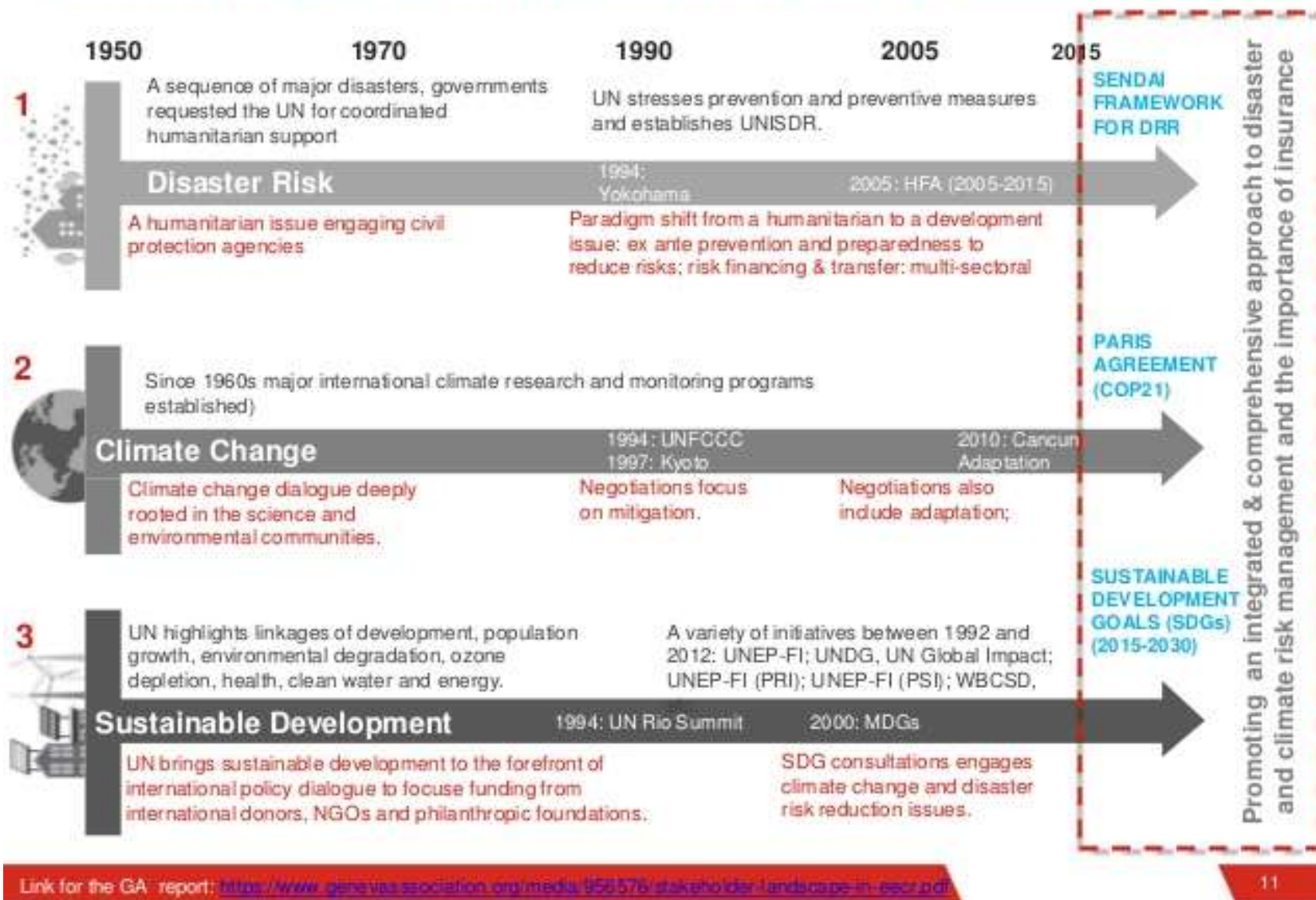
# Urban Systems and Multiple hazards



## Urban Environmental Challenges

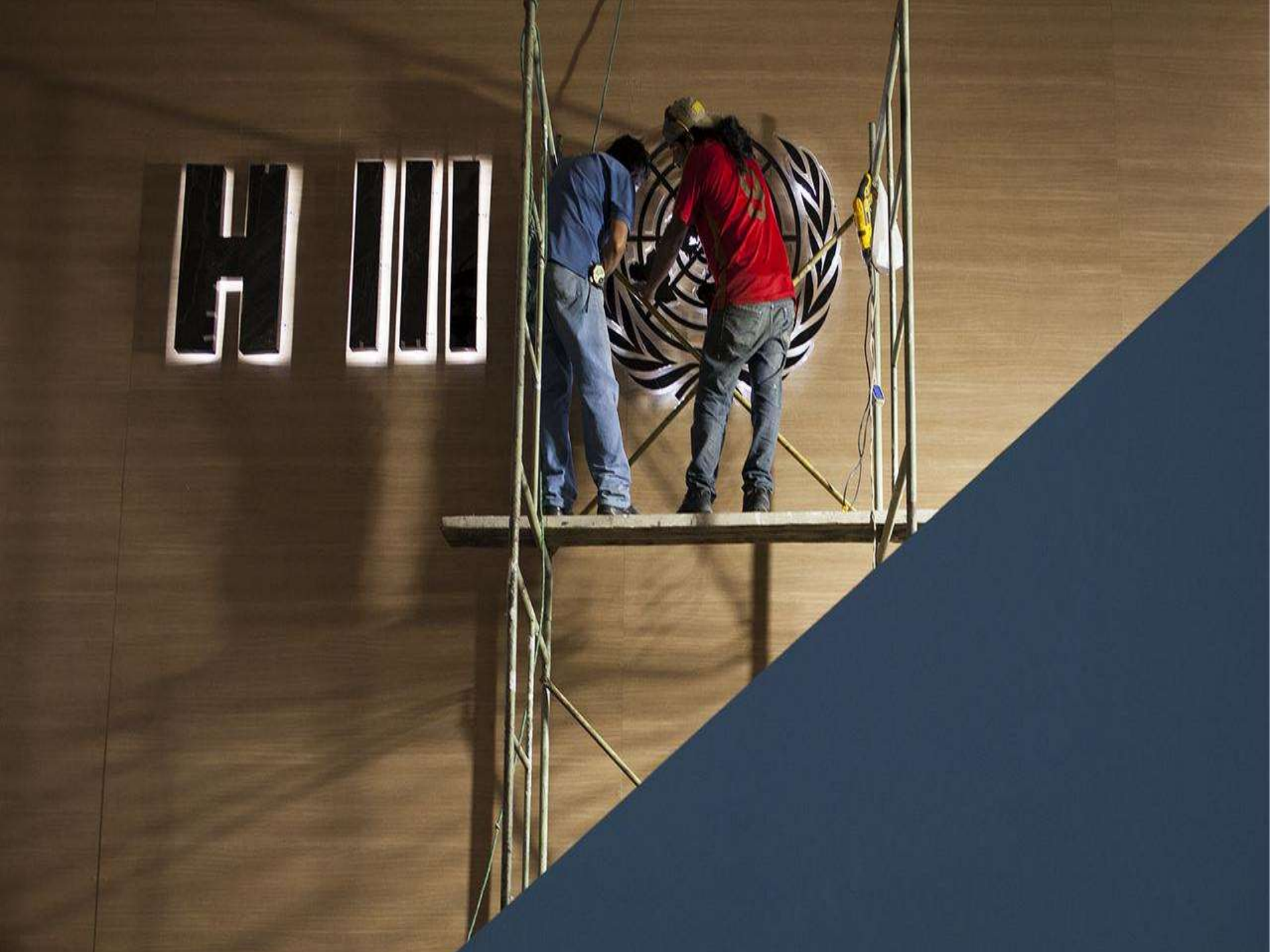
- Cities are major contributors to global warming, emitting as much as 70% of human induced greenhouse gases
- Vulnerability to climate change related disasters: 40% of the world's urban population lives less than 100km from the coast
- High dependence on fossil fuels: 95% of urban transport uses petroleum, resulting in low density and sprawling urban forms
- Low levels of access to water, sanitation and waste management, especially in slums
- Opportunities: Many climate change mitigation and adaptation actions must take place in urban areas

### 3. Latest developments – Three UN Framework agreements have profoundly impacted how governments have responded to climate change and extreme events risk management!



Source: Maryam Golnaraghi, 2012 Global Insurance Symposium





## Rethinking our Role in Cities

- **A rights-based approach:** Framing public services around rights, with a focus on the most vulnerable.
- **Recognition of urban poverty:** Disaggregated data to identify inequalities for vulnerable groups.
- **Multidimensional strategies:** Resilience and social protection measures that reflect the complexity of urban poverty.
- **More active engagement in urbanization:** A stronger knowledge base in urban planning, disaster management and other key areas.
- **Innovative public services:** Decentralized and non-formal urban governance that goes beyond 'top down' and centralized approaches.



# Together Towards Habitat IV



Vancouver,  
1976

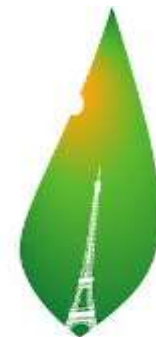


Istanbul,  
1996



Quito,  
2016

- Habitat III - the first major UN global summit after the adoption of



PARIS2015  
UN CLIMATE CHANGE CONFERENCE  
COP21•CMP11

# Habitat III Inclusive Preparatory Process



**5 Regional Meetings**



**6 Thematic Meetings**



**10 Policy Units**

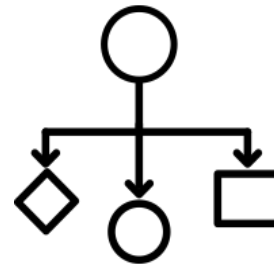


**10 Policy Papers**

**22 Issue Papers**



**3 Preparatory Committee Meetings**



**Informal Consultative Meetings and Hearings**



On October 20, 2016 in Quito, Ecuador, the **New Urban Agenda** adopted at the United Nations Conference on Housing and Sustainable Urban Development (Habitat III)





- **30,000 ACCREDITED PARTICIPANTS** FROM 167 COUNTRIES  
2,000 REPRESENTATIVES OF LOCAL AUTHORITIES  
HIGHEST CIVIL SOCIETY PARTICIPATION IN ANY UN CONFERENCE
- **100,000 VISITORS**



**8** Plenary Meetings



**6** High-level Roundtables



**4** Assemblies



**16** Stakeholders Roundtables



**10** Policy Dialogues



**22** Special Sessions



**3** Urban Talks



**1** Urban Journalism Academy

**Over 1,000 events in 4 days**





**59** UN Events



**57** Exhibition Booths



**42** Habitat III Village Projects



And over **460** Side, Networking, Training, and Parallel events were organized by various partners and stakeholders.



- Habitat III has had the strongest participation of civil society, stakeholders, and local authorities in the history of United Nations conferences.
- The General Assembly of Partners is composed of sixteen Partner Constituent Groups, including for the first time ever grassroots organizations, older persons and persons with disabilities.

# New Urban Agenda

**An action-oriented document which sets global standards of achievement in sustainable urban development, by readdressing the way cities and human settlements are planned, designed, financed, developed, governed, and managed, through cooperation with committed partners, relevant stakeholders, and urban actors at all levels of government as well as the private sector and in supporting the implementation of the 2030 Agenda.**





- **QUITO DECLARATION ON SUSTAINABLE CITIES AND HUMAN SETTLEMENTS FOR ALL**
  - Our shared vision
  - Our principles and commitments
  - Call for Action
- **QUITO IMPLEMENTATION PLAN FOR THE NUA**
  - A. THE TRANSFORMATIVE COMMITMENTS FOR SUSTAINABLE URBAN DEVELOPMENT
    - SUSTAINABLE URBAN DEVELOPMENT FOR SOCIAL INCLUSION AND ENDING POVERTY
    - SUSTAINABLE AND INCLUSIVE URBAN PROSPERITY AND OPPORTUNITIES FOR ALL
    - ENVIRONMENTALLY SUSTAINABLE AND RESILIENT URBAN DEVELOPMENT
  - B. EFFECTIVE IMPLEMENTATION
    - BUILDING THE URBAN GOVERNANCE STRUCTURE: ESTABLISHING A SUPPORTIVE FRAMEWORK
    - PLANNING AND MANAGING URBAN SPATIAL DEVELOPMENT
    - MEANS OF IMPLEMENTATION
  - C. FOLLOW-UP AND REVIEW

# Comparison between 1996 and 2016

## Habitat Agenda 1996

**1996: Adequate shelter for All (urban poverty, slums) and Sustainable human settlements development in an urbanizing world**

Some new approaches of the HA

special attention to the needs and contributions of women, children, youth and vulnerable social groups

recognition of some role of the local government and the civil society in shaping urbanization

importance of capacity building

## New Urban Agenda 2016

**2016: Sustainable urban development: the future of urbanization: Five pillars:**

- ✓ National Urban Policy
- ✓ Rules and Regulations
- ✓ Urban Planning and Design
- ✓ Financing urbanisation
- ✓ Local implementation of NUA

**New impetus in the NUA**

- From Problems to tools for SD
- Integrating, holistic
- Climate change, Resilience
- Municipal finance
- Urban planning & design
- Urban legislation
- LG and CS central, Youth, Women
- Innovations, IT



Climate change  
Mitigation

Climate  
change/disaster  
Resilience

Basic services,  
housing, slums

Urban planning,  
green & public  
spaces

Cleaner urban  
areas

Holding the increase in the  
global average temperature  
to well below 2 °C

Increasing the ability to  
adapt to the adverse  
impacts of climate change

Foster climate resilience  
and low greenhouse gas  
emissions development

Foster climate resilience  
and low greenhouse gas  
emissions development

Foster climate resilience  
and low greenhouse gas  
emissions development

Take action to address climate  
change by reducing their  
greenhouse gas emissions

Strengthen resilience in  
cities to reduce the risk and  
the impact of disasters

Provide basic services for  
all citizens

Promote safe, accessible  
and green public spaces

Promote measures that  
support cleaner cities;  
Improve connectivity and  
support innovative and  
green initiatives

By 2020, increase nr of  
settlements adopting and  
implementing policies + plans  
towards, mitigation and  
adaptation to climate change +  
resilience to disasters

By 2030, reduce nr of deaths +  
nr of people affected and reduce  
eco losses caused by disasters,  
with a focus on protecting the  
poor + vulnerable

By 2030, ensure access for all  
to adequate, safe and  
affordable housing and basic  
services and upgrade slums  
and sustainable transport  
systems

By 2030, provide universal  
access to safe, inclusive and  
accessible, green and public  
spaces,

By 2030, reduce the adverse  
per capita environmental  
impact of cities, including by  
paying special attention to air  
quality and municipal and  
other waste management

By 2020, Substantially  
increase the number of  
countries with national and  
local disaster risk reduction  
strategies

By 2030, Substantially  
reduce global disaster  
mortality and people  
affected

Reduce direct disaster  
economic loss and reduce  
disaster damage to critical  
infrastructure and disruption  
of basic services

By 2020, increase the  
number of countries with  
national and local disaster  
risk reduction strategies

By 2030, increase the  
availability of and access to  
multi-hazard early warning  
systems and disaster risk  
information and assessments to  
the people

Translate Global / National commitments and goals into local commitments and goals





An aerial night photograph of a city, likely Quito, Ecuador, showing a dense urban area with numerous lights. In the background, a large, snow-capped mountain (Cotacachi) is visible under a dark, cloudy sky. The city lights are concentrated in the lower half of the image, while the mountain range spans the upper half.

## Beyond Habitat III

## UN-Habitat Role in the New Urban Agenda

- UN-Habitat recognised as a focal point for sustainable urbanisation and human settlements, in collaboration with other UN entities.
- UN-Habitat to coordinate the preparation of the first report on the progress of the implementation of NUA in collaboration with other UN entities to be submitted to GA through ECOSOC. Feeding into the High-level Political Forum on SD (Para 168)

## **SDG Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable**

### Possible Quantitative Targets:

- Inclusive national urban policies
- Global urban land cover
- Public space as a proportion of urban land area
- People living in urban slums
- Citizen participation in urban local elections and in public affairs
- Urban violent crime
- Inclusive policies to facilitate urban job creation
- Access to safe and affordable public transport
- Share of renewable energy sources in cities and access to improved energy
- Access to safe drinking water supply and adequate sanitation in cities
- Multi-sectoral urban resilience policies

# New Urban Agenda Outcome Reporting

2017					2018				
Mar-17	Jul-17	Aug-17	Oct-17	Dec-17	Mar-18	Jul-18	Aug-18	Oct-18	Dec-18
67th Session of the General Assembly			72nd Session of the General Assembly					73rd Session of the General Assembly	
C		73 ECOSOC					74 ECOSOC		
March 2017. Expected date for submission of the 2017 ECOSOC report on the coordinated implementation of the Habitat Agenda	July 2017. Agenda item on the coordinated implementation of the Habitat Agenda as agreed in E/RES/2016/24				March 2018. Expected date of the submission of the quadrennial report.	July 2018. Agenda item on the implementation of the New Urban Agenda. Discussion based on the quadrennial report. Replaces the ECOSOC annual report on the coordinated implementation of the Habitat Agenda.			
	July 2017. Expected approval of ECOSOC Resolution welcoming the New Urban Agenda and requesting to submit the quadrennial report on the implementation of the New Urban Agenda through ECOSOC					July 2018. Expected approval of ECOSOC resolution on the implementation of the New Urban Agenda.			
		August 2017. Submission of the 72nd session annual report following decision of the Second Committee resolution during the 71st session	October 2017. Agenda item for reporting on the outcome of the 71st Second Committee resolution and outcome of the UN-Habitat assessment and High-Level Meeting	December 2017. Second Committee resolution. Decision on enhancing UN-Habitat as agreed in the New Urban Agenda			August 2018. Submission of the SG annual report in which the quadrennial report of the implementation of the New Urban Agenda is part of.	October 2018. Agenda item on the implementation of the New Urban Agenda	December 2018. Second Committee resolution





**UN HABITAT**  
FOR A BETTER URBAN FUTURE



Ministry of Social Development and Human Security

**“Partners Forum for Delivering the New Urban Agenda Together in Asia and the Pacific”**

**- National Mechanisms and Multi-Stakeholder Engagement in the Implementation of the NUA –**

**January 23-24, 2017, Bangkok**



**NATIONAL  
IMPLEMENTATION  
MECHANISMS**



**PARTNERSHIPS**



**MONITORING  
AND REPORTING**



**RAISE  
AWARENESS**

- 38 from outside Thailand
- National Urban Agenda Focal points 38 from 13 countries
- Drivers of multi-stakeholders Forum (National Urban Forum/National Habitat Committee) 7
- Regional Partners supporting the national process 10 + 4 UN agencies

# MALAYSIA

is proud to host

## The Ninth World Urban Forum (WUF9) in 2018





# WUF | LATAR BELAKANG

## Past Sessions

1	2	3	4	5	6	7
						
<b>2002</b> <b>Nairobi, Kenya</b> <i>Sustainable Urbanization</i>	<b>2004</b> <b>Barcelona, Spain</b> <i>Cities: Crossroads of cultures, inclusiveness and integration?</i>	<b>2006</b> <b>Vancouver, Canada</b> <i>Our Future: Sustainable Cities – Turning Ideas into Action</i>	<b>2008</b> <b>Nanjing, China</b> <i>Harmonious Urbanization: The Challenge of Balanced Territorial Development</i>	<b>2010</b> <b>Rio de Janeiro, Brazil</b> <i>The Right to the City: Bridging the Urban Divide</i>	<b>2012</b> <b>Naples, Italy</b> <i>The Urban Future</i>	<b>2014</b> <b>Medellin, Colombia</b> <i>Urban Equity in Development – Cities for Life</i>
Almost 1,200	Over 4,300	Over 10,400	Almost 8,000	Almost 13,800	Over 8,200	Over 22,000



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## KUALA LUMPUR, MALAYSIA : THE HOST

# Thanks for your attention!

## Any questions?

**Find us online:**

**The State of Asian and Pacific Cities 2015.**

**Urban transformations: Shifting from quantity to quality**

<https://unhabitat.org/books/the-state-of-asian-and-pacific-cities-2015>

**New Urban Agenda**

<http://habitat3.org/the-new-urban-agenda>

**World Urban Forum**

<https://www.unhabitat.org/wuf>