





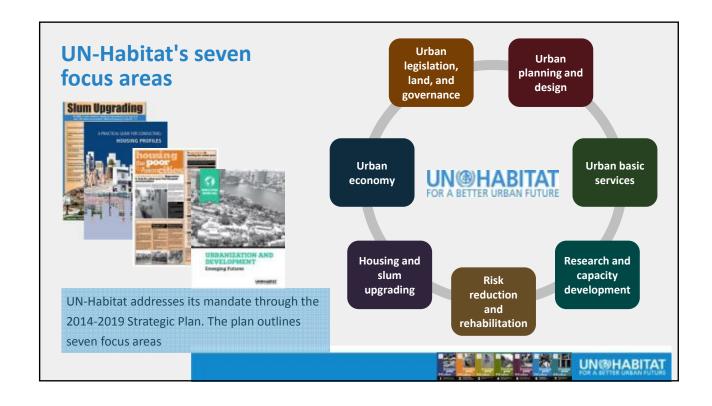
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Normative Mandate

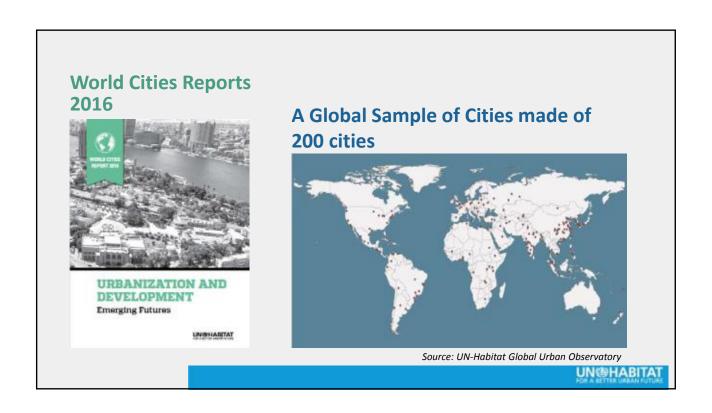
UN-Habitat, the United Nations agency for human settlements, helps the urban poor by transforming cities into safer, healthier, greener places with better opportunities where everyone can live in dignity.

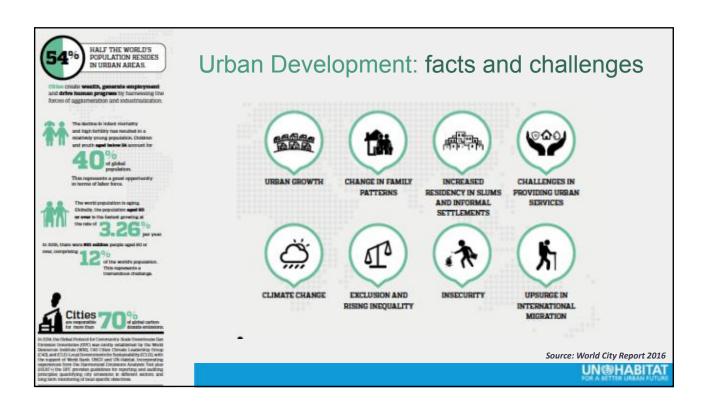
Making Knowledge, Evidences, Guidelines and Recommendations UN-Habitat works with organizations at every level, including all spheres of government, civil society and the private sector to help build, manage, plan and finance sustainable urban development. Our vision is cities without slums that are liveable places for all, which do not pollute the environment and deplete natural resources.

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Major challenges of urbanization

- Extreme urban poverty,
- Poor living conditions for slum dwellers,
- Constraints on productivity due to inadequate infrastructure, and
- Risks due to natural disasters and climate change

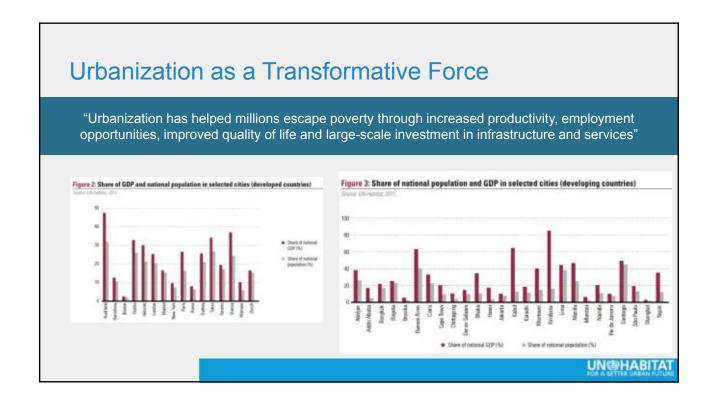


Rising inequality is one of the challenges of urbanization that has confined many people to poor living conditions. Kibera slum, Nairobi, Kenya. Source: Julius Mwelu /UN-Habitat

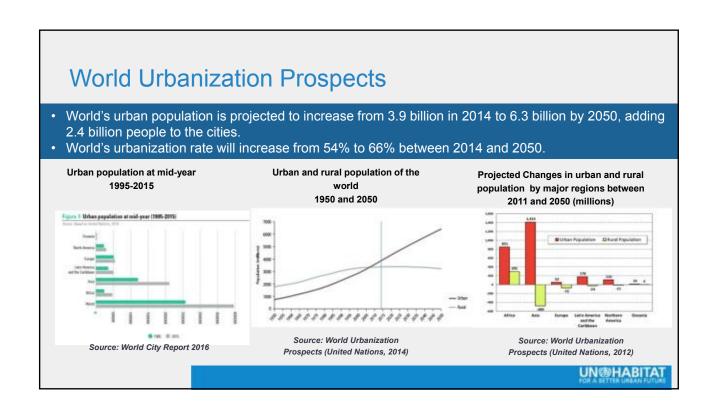
Source: World City Report 2016

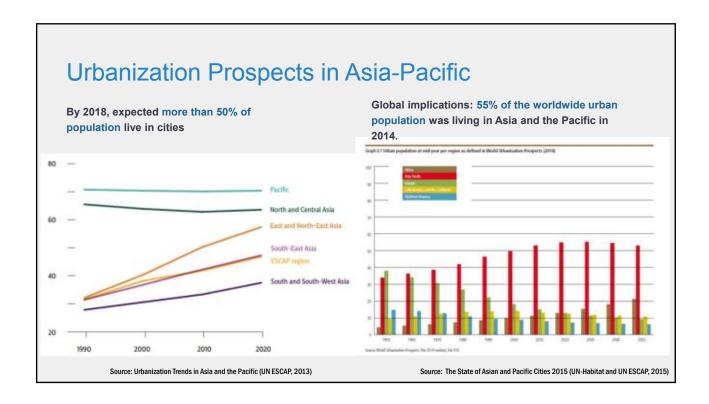
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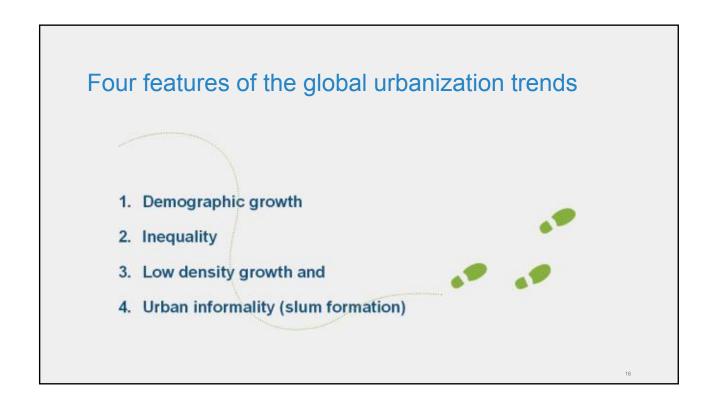
Urbanization as an opportunity for sustainable development Cities offer various opportunities for sustainable development Starting point of virtuous cycle of employment, income, improved **Job Opportunities** labor power and more job opportunities → Reduce inequalities **Public transportation** Water and sewerage system **Economies of Scale in** Electricity and internet connection **Infrastructure Provision** Serviced land and public rental housing Education and healthcare facilities Suitability of System-Local planning and community participation **Based Approaches** Financing infrastructure and housing for the urban poor **UN@HABITAT**

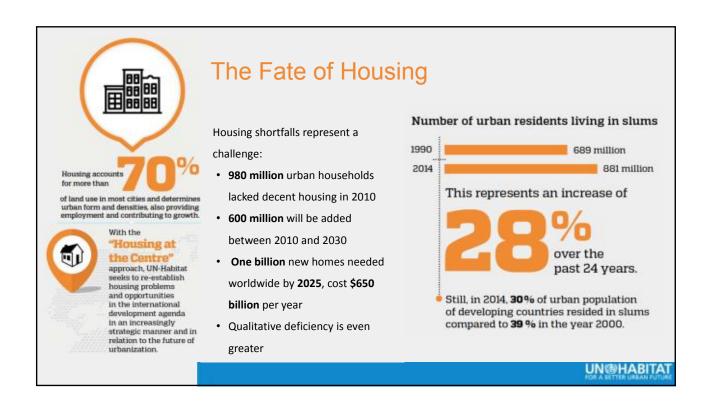




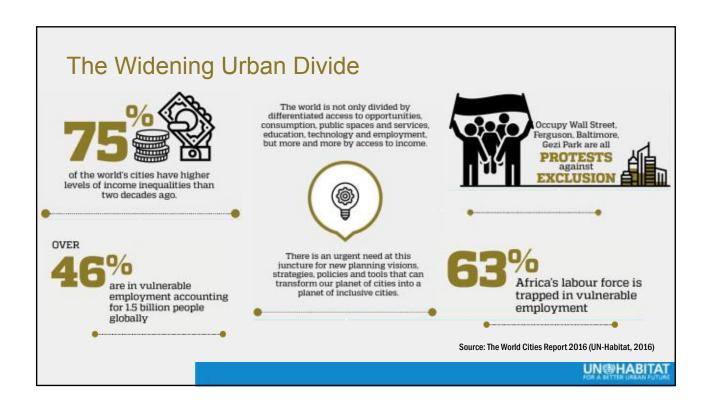


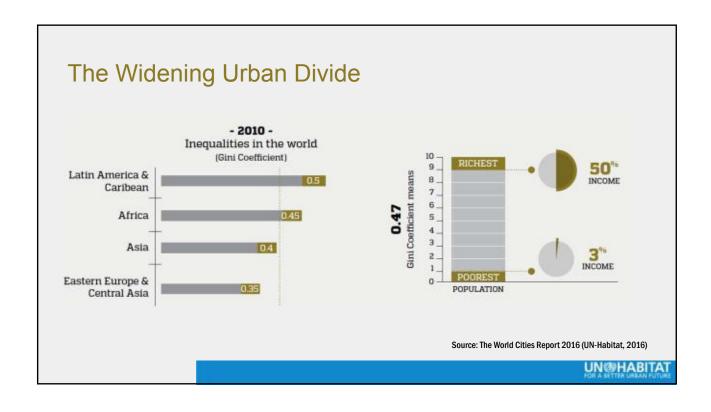












"Just" Environmental Sustainability **QUICK FACTS** Figure 5: Comparison between individual city and national carbon footprints per capita 1. By 2030, energy and water demand increased by 40 and 50% respectively 2. Solid waste management shares of 30 to carbon footprint 50% of municipal budgets (in less developed countries) carbon footprint (metric tons) 3. In urban areas, climate change impacts can compound one another, making disaster risk management more complex. 4. Innovative ways are called for to build resilience, in the process contributing to a more equitable environment Source: The World Cities Report 2016 (UN-Habitat, 2016)

"Just" Environmental Sustainability Table 2: National and local environmental planning and management Source: Adapted from UN-Habitat, 2014; Cities Alliance, 2007 National level policies Local level policies are essential to Resource use Diversification of energy resources Infrastructure planning the advent of sustainable Water pricing reform Local environmental education Adaptive social protection programmes Environmental risks Air quality management cities. This must include Public health programmes planning for resilience in the Land and related issues Diversification of agriculture Physical planning, zoning Land management policies and property rights Infill and brownfield incentives face of disasters. Restrictions on development of vulnerable land Green space zoning Greenbelt boundaries Decarbonization Incentives to increase density Energy pricing, taxes and subsidies imperatives Sustainability and diversification of economic sectors Education campaigns Low-carbon policies Source: The World Cities Report 2016 (UN-Habitat, 2016)

Rules of the Game: Urban Governance and Legislation Decentralization **QUICK FACTS** 1. Inefficient or impracticable legislative 1. Administrative Decentralization > PLANNING +MANAGING is transfered from Central Government to Local (Delegation) reforms 2. Political Decentralization > Delegation of political power, authority and resources 2. Planning regulations in developing and 3. Fiscal Decentralization > Redistribution of resource form central to transition countries are often too detailed, subnational government and inflexible 4. Devolution > Political and fiscal decentralization 5. Deconcentration > Territorial redistribution of central power 3. Genuine accountability and administrative capacity to implement public policies Source: The World Cities Report 2016 (UN-Habitat, 2016)



QUICK FACTS

- 1. Mostly rely on outdated modes of planning
- Cities are sprawling, and as such, densities are dramatically declining. In developing countries, a one percent decline in densities per year between 2000 and 2050 would quadruple the urban land area.
- **3. Not gender-sensitive**; consequently, women are often left outside of the planning process and decisions.
- Planning capacity is grossly inadequate in much of the developing world.

A City that Plans: Reinventing Urban Planning

Planning capacity varies greatly across the world

38
ACCREDITED PLANNERS per 100,000 population

Nigeria

1.44

ACCREDITED
PLANNERS
per 100,000

population

ACCREDITED PLANNERS per 100,000 population

The Planned City

> reflects only the views of national leadership

no local input

> favouritism and nepotism

distorted priorities

Source: The World Cities Report 2016 (UN-Habitat, 2016)

2

QUICK FACTS

- 1. Megacities and metropolitan regions have benefited more
- Inadequate urban infrastructure and services hamper economic growth and activities
- 3. The benefits of agglomeration tend to outweigh the drawbacks
- 4. Formal employment has not catch up with the rapid urbanization of cities, thus exacerbating urban social and economic inequality.

Changing Dynamics of Urban Economies

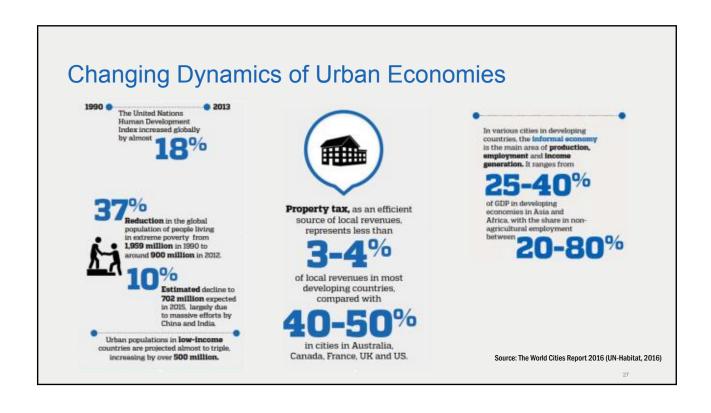
Changes impacting cities' economies since Habitat II include:

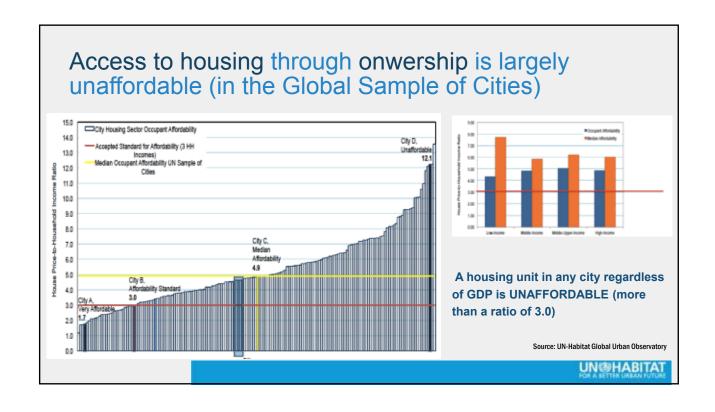
- 1. global economic conditions
- ageing and (mainly in developing countries) rapidly growing populations
- technological innovations particularly in transport, communications and data processing
- sharper policy focus on environmental sustainability and climate change

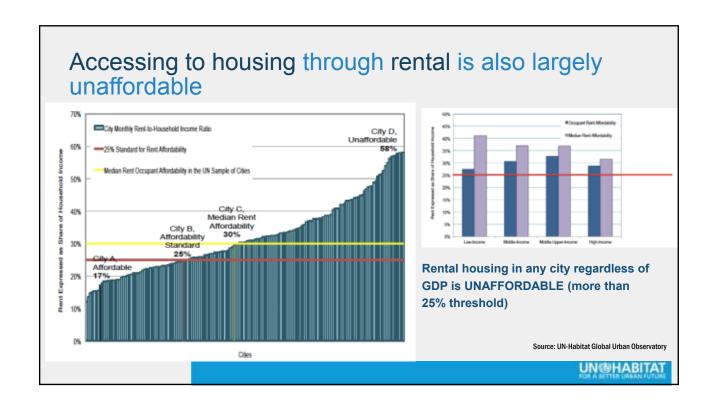
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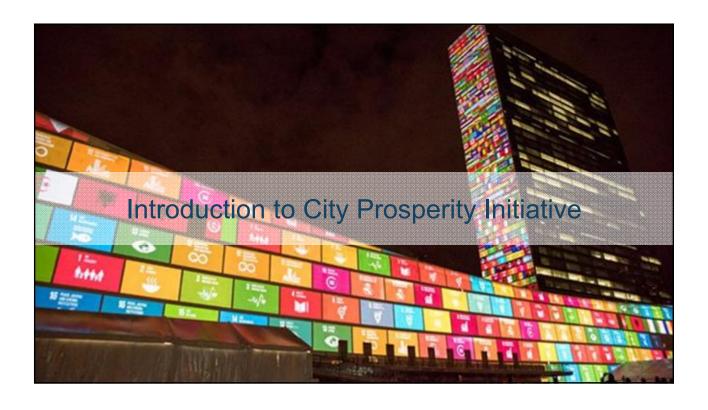
Source: The World Cities Report 2016 (UN-Habitat, 2016)

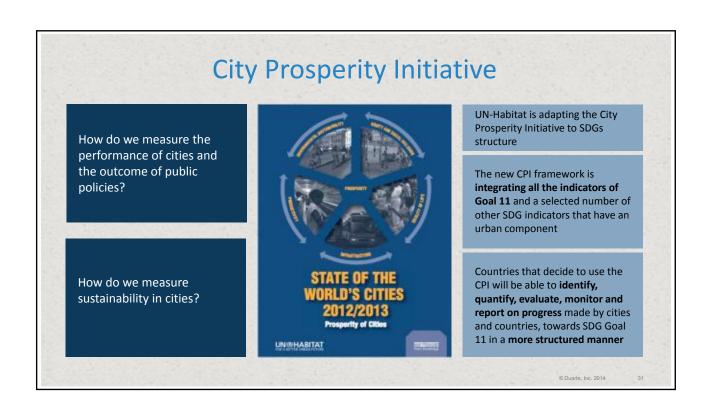
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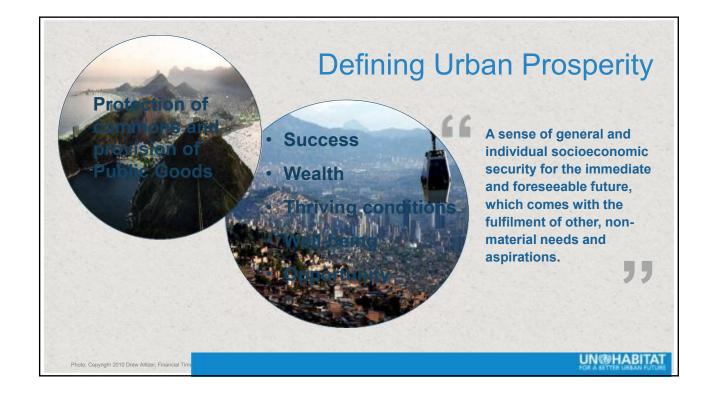


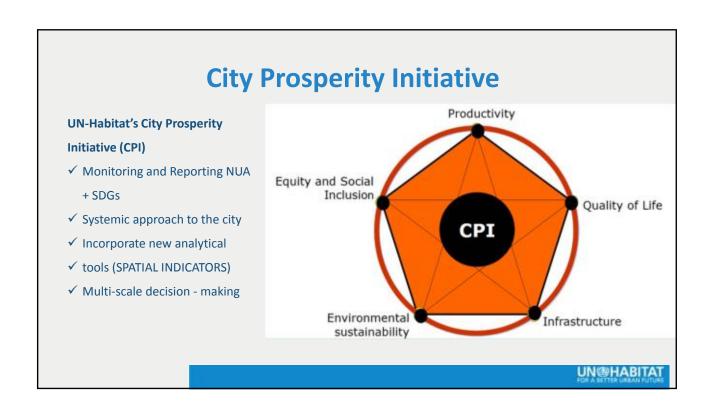


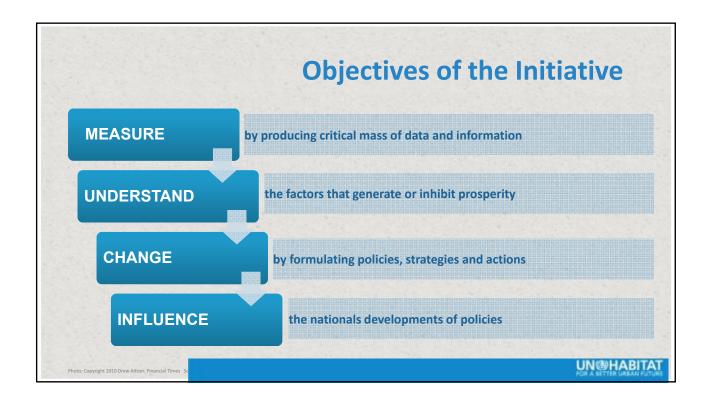














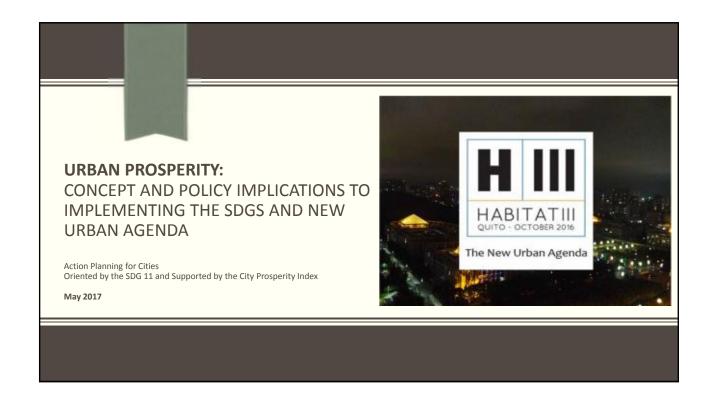
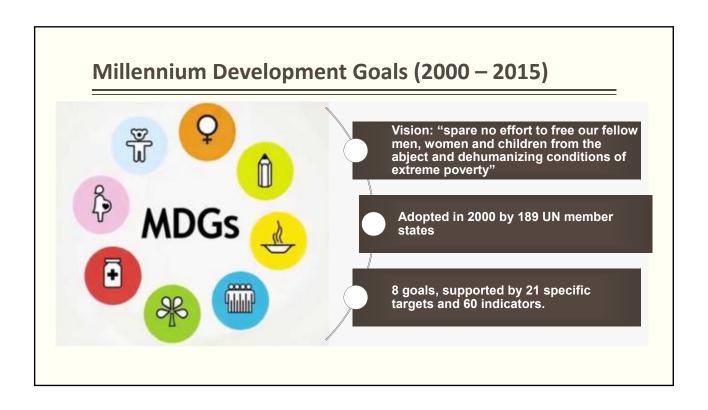


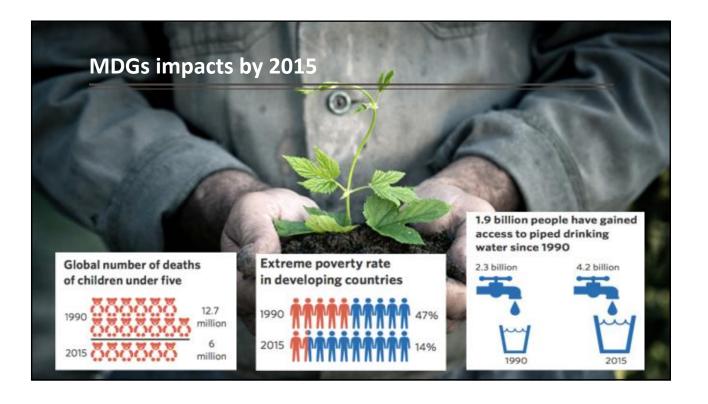
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- > Introduction to Sustainable Development GoalS (SDGs)
- > New Urban Agenda (NUA)
- > UN HABITAT Role in connecting SDGs and NUA
- > Policy Implementation
- > Conclusion













Sustainable Development Goals (SDGs) United Nations Sustainable Development Summit 2015 UNITED NATIONS SUSTAINABLE DEVELOPMENT SUMMIT 2015

 The Sustainable Development Goals (SDGs), otherwise known as the Global Goals, are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity





SDG 11



The 2030 Agenda for Sustainable Development gives a prominent role to urbanization and cities with the inclusion of a stand-alone goal for cities and human settlements.

- Recognition that cities are a string that connects all other goals together
- Interactions are important to formulate integrated policies that enhance the transformative role of urbanization

SDG11 – Ten targets

Outcome-oriented targets and indicators



11.1 Housing and slums



11.2 Sustainable transport



11.3 Participatory planning



11.4 Cultural heritage



11.5 Disaster reduction



11.6 Air quality and waste managment



11.7 Public spaces

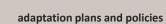
Process-oriented targets and indicators



11.a Urban-rural linkages



11.b Implementation of mitigation and



11.c Sustainable and resilient buildings



SDG11 - The process

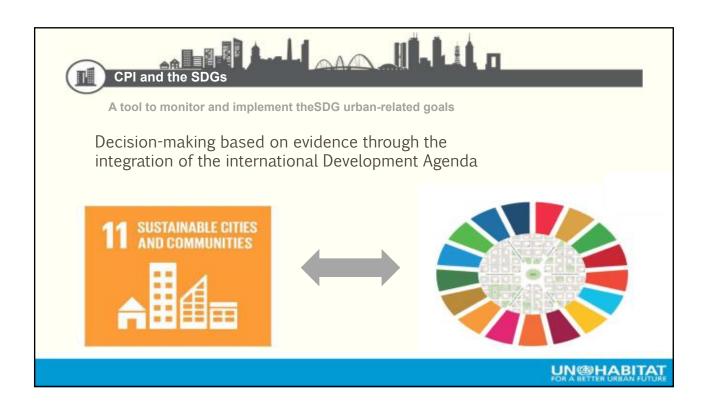


- 3 global consultations about indicators once targets were decided (Member States/ Stakeholders / UN Agencies)
- 3 platform for online comments
- ratings of proposed indicators(Tiers 1 to 3 color codes)
- Inter-Agency and Expert Group (IA-EG) (New York, Bangkok, Mexico City)
- 2 Reports (IA-EG for UNSC and SG Report about Implementation)

The 2030 Agenda for Sustainable Development



SDG 11 Explained by Raf Tuts Director, Programme Division UN-Habitat October 1, 2015





UN HABITAT roles

Implementation

Monitoring

Reporting

- Country Implementation Plans
- Localize Action at city level
- Defining Habitat Strategic
 Interventions
- National targets, benchmark and standards
- Disaggregation of information
- City Prosperity Initiative
- National aggregated values
- National/local reports
- Action Plans (CPI/3 Legged Approach)

UN HABITAT ongoing porfolio



- Refining Urban SDGs Indicators: propose to the Secretariat (UNSD) methodological information and/or data support to change indicators
- Expert Group Meetings: discuss and agree on the approach, methodology and ways of computation of specific indicators with outstanding challenges related to the monitoring of the SDGs at local levels, particularly spatial indicators
- 3. SDG Goal 11 Indicators Definitions and Metadata:
 - A <u>Global Monitoring Tool</u> that serves as a guide to assist national and local governments in their efforts to collect, analyze, validate data and information in view of the preparation of country-based reports.
 - The Metadata provides necessary definitions, method of computation and technics to estimate indicators, including spatial indicators

UN HABITAT ongoing porfolio (cont)



 UN-Habitat SDGs Webpage: A website dedicated to UN-Habitat approach, involvement and support to SDGs, with a particular focus on

Goal 11

- 5. SDGs Report: joint with other UN agencies to develop the global progress report on the SDGs
- 6. City Prosperity Initiative
 - The new CPI framework is integrating all the indicators of Goal 11 and a selected number of other SDG indicators that have an urban component
 - Countries that decide to use the CPI will be able to identify, quantify, evaluate, monitor and report on progress made by cities and countries, towards SDG Goal 11 in a more structured manner



NEW URBAN AGENDA



The United Nations Conference on Housing and Sustainable Urban Development to "reinvigorate" the global political commitment to sustainable urban development



UN Conference on Human Settlements, 1976 Vancouver



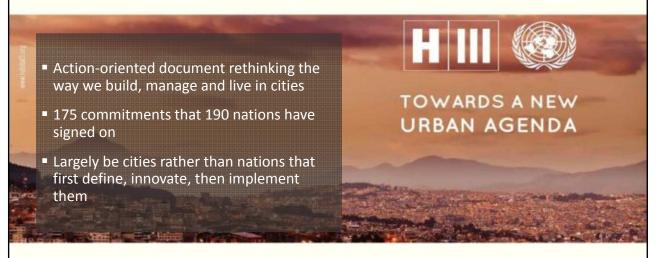
Habitat II, 1996 Istanbul



Habitat III, 2016 Quito



What is in the New Urban Agenda?



New Urban Agenda



- ✓ Must be BOLD, forward thinking and tightly focused on problem solving
- ✓ It should have clear means of implementation
- √ Adopt a city-wide approach
- ✓ Propose concrete strategies and actions
- ✓ Create a mutually reinforcing relationship between urbanization and development
- ✓ Support a paradigm shift
- ✓ Devise **well-activated** set of strategies
- ✓ Transfom urbanization into a tool of development
- ✓ Constitute a framework of **cooperation**
- ✓ Convey a **SEN SE OF URGENCY**





New Urban Agenda: Equity

We share a vision of cities for all, referring to the equal use and enjoyment of cities and human settlements, seeking to promote inclusivity and ensure that all inhabitants, of present and future generations, without discrimination of any kind, are able to inhabit and produce just, safe, healthy, accessible, affordable, resilient and sustainable cities and human settlements to foster prosperity and quality of life for all







Three Transformative Commitments

- A. Equity: Urban Development for Social Inclusion and Ending Poverty (18 points)
 - land tenure, the value of public space, and the sustainable leverage of natural and cultural heritage
- **B.** Inclusivity: Urban Prosperity and Opportunities for All (20 points)
 - Access to affordable housing, access to knowledge, skills, and education, and the promotion of investments, innovations and entrepreneurship
- C. Sustainability: Resilient Urban Development (18 points)
 - Climate change, unsustainable consumption, slum upgrading, energy efficiency and the social and ecological function of land

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Conclusion

"The SDGs, the New Urban Agenda, the Paris Agreement — these are really important policy bricks that we're going to use to build the cities of the 21st century. But ultimately it's going to be local people, local governments and local ecosystems that are the cement that bind them together in a lasting way."









POLICY IMPLEMENTATION

New Urban Agenda – Policy points

- 1. Forward looking and problem solving;
- 2. Adopt a city-wide approach (strong integration) to development
- 3. Clear funding mechanisms and effective means of monitoring
- A sense of urgency in the implementation but also clear and well-defined implementation plans
- 5. Seek mutually reinforcing relationship between urbanization and development
- 6. Establish links to other global agreements and agendas
- 7. Induce transformative change promoting a **new urbanization model that is universal** and **adaptable to different national circumstances**

UN HABITAT next steps

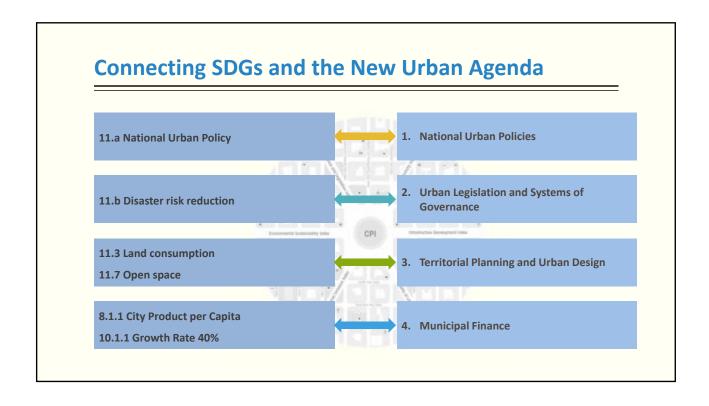
- 1. Implementing SDG Localize Actions at city level
- Providing support to local and national governments to reflect the new global agenda in city and country development plans and policies
- Making the UN-Habitat's policy expertise on sustainable urban development available to governments at all stages of implementation
- 3. Reporting SDGs National Sample of Cities
- National governments need to create a consistent set of cities that is representative of their territory, geography, governance and history.
- UN-Habitat will support national governments in the definition of a sample of representative cities and in the data aggregation process

- 2. Monitoring SDGs Spatial Indicators
- Geospatial data, adequate technology and management system will be needed for the measurement of the spatial indicators of the Goal 11
- Spatial disaggregated data provides relevant information for policy-makers to decide on local-level allocation of resources and monitoring of equitable outcomes
- 4. Connecting SDGs and the New Urban Agenda
- A strong connection between the New Urban Agenda and the SDGs indicators should be established with a common monitoring framework



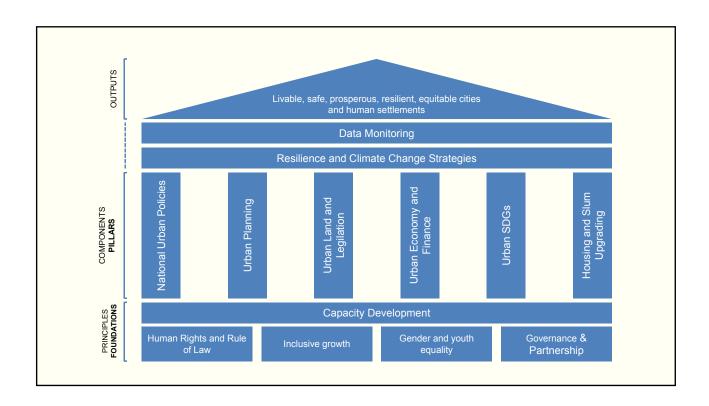






The next BIG challenges

- 1. Refine disagreggation mechanisms and policy responses, look for more convergence among Head Quarter and regions.
- 2. Refine UN-Habitat advocacy for this new agenda (SDGs-NUA)
- 3. Rethink financing and fundrasing strategies
- 4. Adjust strategic plans for the implementation and monitoring of SDGs and New Urban Agenda
- 5. Adjusting outputs from Habitat Work Plan to reflect 2030 Development Agenda
- 6. Define ad hoc training and capacity development activities
- 7. Explore new strategic partnerships Multi Partners Trust Fund



Conclusion

"The SDGs, the New Urban Agenda, the Paris Agreement — these are really important policy bricks that we're going to use to build the cities of the 21st century. But ultimately it's going to be local people, local governments and local ecosystems that are the cement that bind them together in a lasting way."









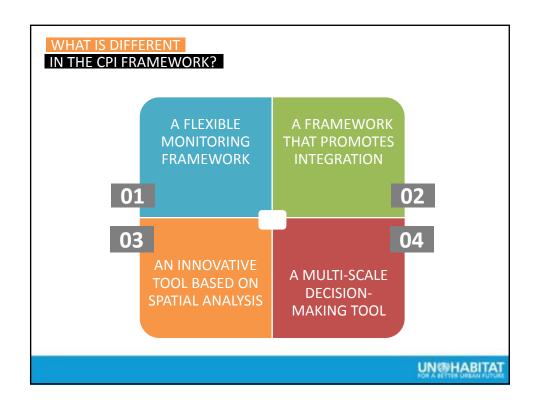


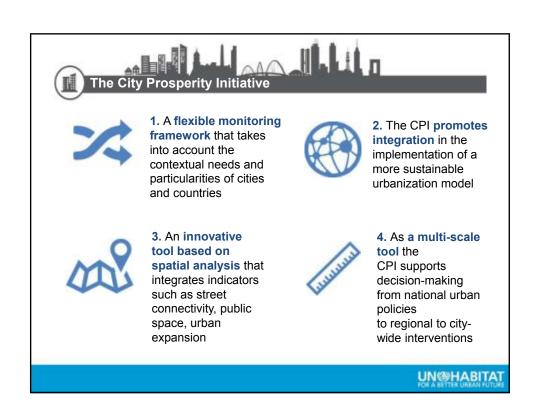


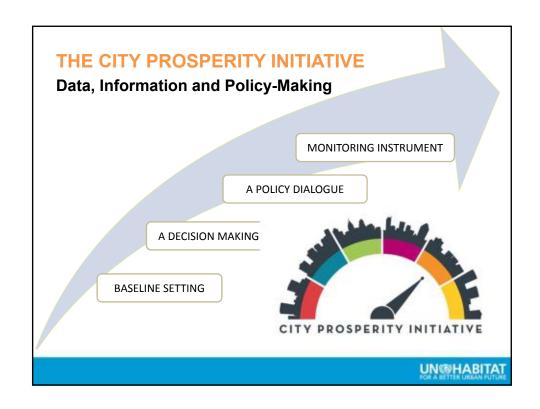
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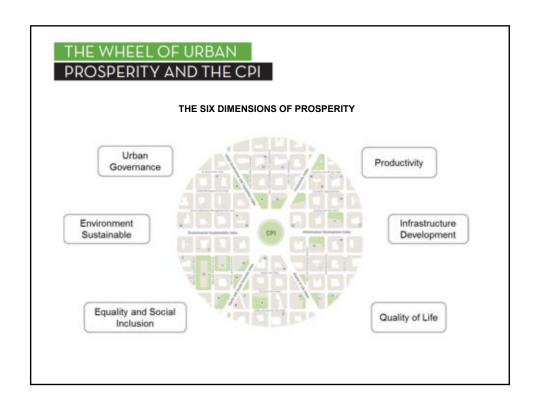
- 01. INTRODUCTION TO THE CPI METHODOLOGY
- **02. CLARIFICATION ON FEW INDICATORS**
- **03. SPATIAL INDICATORS**

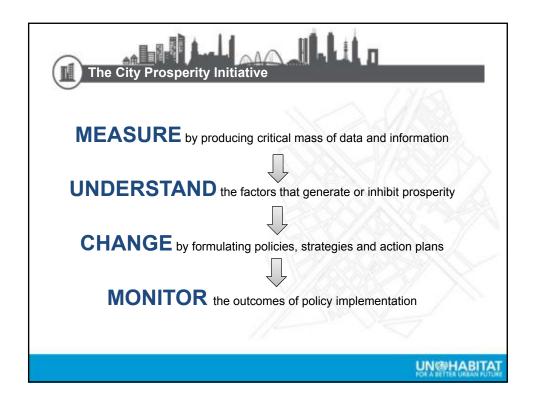
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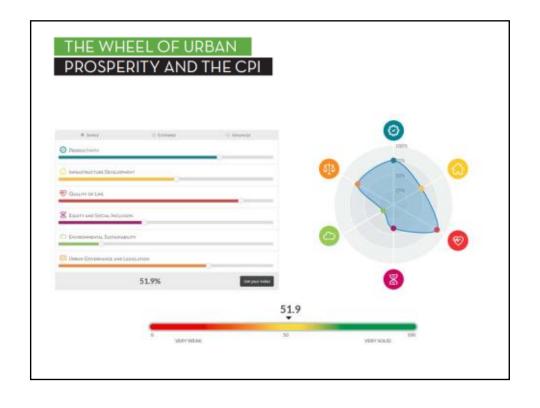




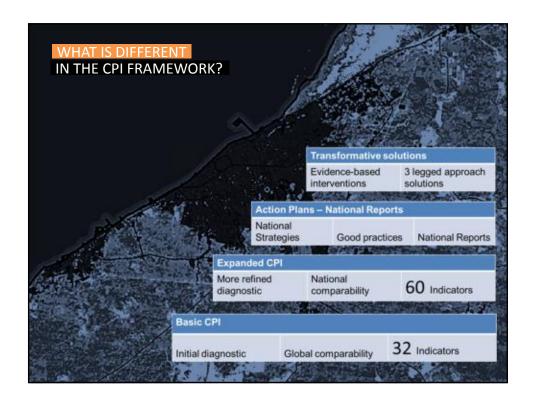


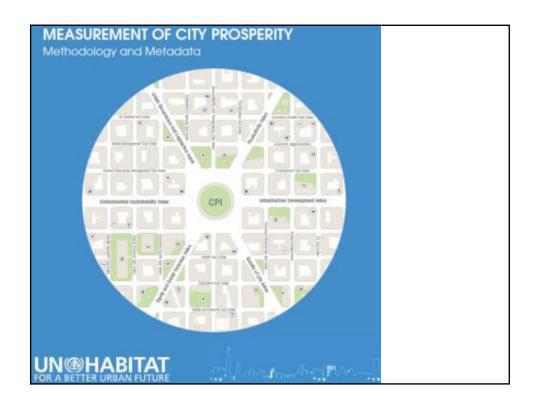


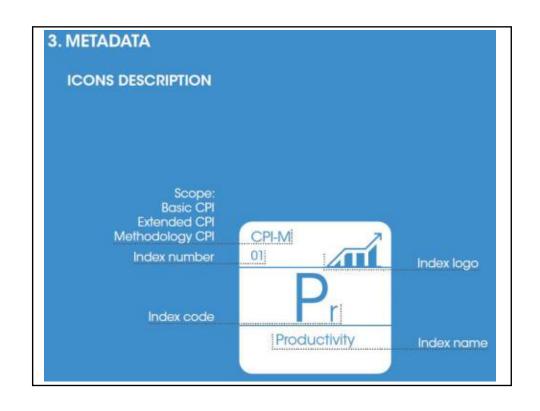




80-100	Very solid prosperity factors	Consolidate urban policies	
70-79	Solid prosperity factors	consolidate di ban policies	
60-69	Moderately solid prosperity factors	Strengthen urban policies	
50-59	Moderately weak prosperity factors		
40-49	Weak prosperity factors		
10-39	Very weak prosperity factors	Prioritize urban policies	

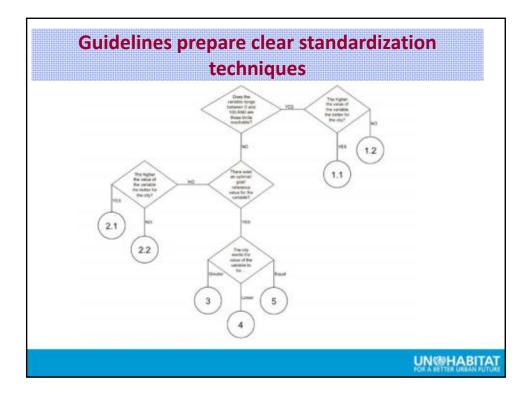








Guidelines prepare clear standardization techniques Types of Standardization Not required Simple reversal Classic direct standardization Classic reversal standardization Standardization with the minimum target Standardization with the ultimate goal Standardization with single objective Each indicator of the CPI has a specific way to be standardized



Standardization: Simple Reversal

 $X^{(S)} = 100 - X$

- The poverty rate, which is measured in percent.
- The variable moves from 0 to 100.
- The relationship with the CPI is reversed (a rise in the poverty rate will generate a decrease in the level of prosperity of the city).

Classic reversal standardization

Example:

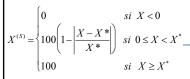
- Higher values are worst
- CO₂ emissions (measured in metric tons of CO₂ per capita)
- WB (2008-2010)
 - Minimum 0.01
 - Maximum 44.20
- A city with 1.44 metric tons would have a standardized value of:

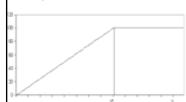
 $X^{(S)} = 100 \left[1 - \frac{1.44 \text{ tonedal as mitricas} - 0.01 \text{ tonedal as mitricas}}{44.20 \text{ tonedal as mitricas} - 0.01 \text{ tonedal as mitricas}} \right] = 96.76$

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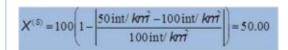
Standardization with minimum target

Example:



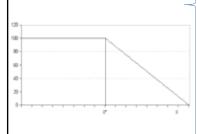


- Number of intersection per square kilometer
- UN-Habitat (2014) recommends 100 sq. km
- A city with 50 intersections would have a standardized value of:



Standardization with ultimate goal

$X^{(S)} = \begin{cases} 0 & \text{si } X \ge 2X^* \\ 100\left(1 - \left|\frac{X - X^*}{X^*}\right|\right) & \text{si } X^* < X < 2X^* \end{cases}$



Example:

- PM10 concentration (measured in micrograms per cubic meter).
- EC (2013) has set a target value recommended maximum = 40.
- To exceed a certain threshold value decreases (40=100)
- A city with = 54.63, its normalized value is:

$$X^{(8)} = 100 \left[1 - \frac{54.63 \ \mu g / \ m^3 - 40 \ \mu g / \ m^3}{40 \ \mu g / \ m^3} \right] = 63.43$$

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Standardization with single objective

$X^{(s)} = \begin{cases} 0 & \text{si } X \le 0 \text{ o } X \ge 2X^* \\ 100 \left(1 - \left| \frac{X - X^*}{X^*} \right| \right) & \text{si } 0 < X < 2X^* \\ 100 & \text{si } X = X^* \end{cases}$



Examples:

- Residential densities
- Women in Local Government (measured as a % target value)
- Mossuz-Lavau (2005) = 50%
- In a city with 31.22% of women in government, the standardized value would be:

$$X^{(5)} = 100 \left(1 - \left| \frac{31.32\% - 50\%}{50\%} \right| \right) = 62.64$$

Construction of a scheme of WEIGHTS

Once the variables have been standardized, there is a need to define a methodology to add the information on these variables in a new variable.

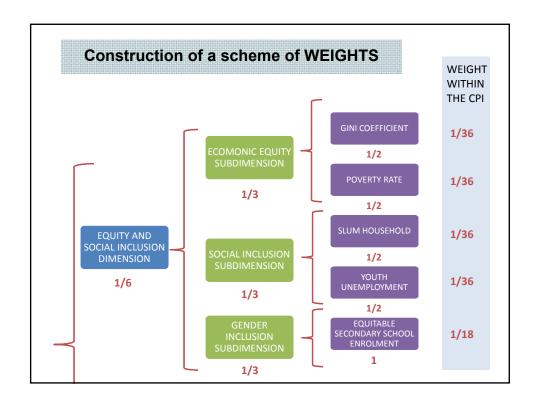
Need to define a weighting scheme for dimensions, subdimensions and variables.



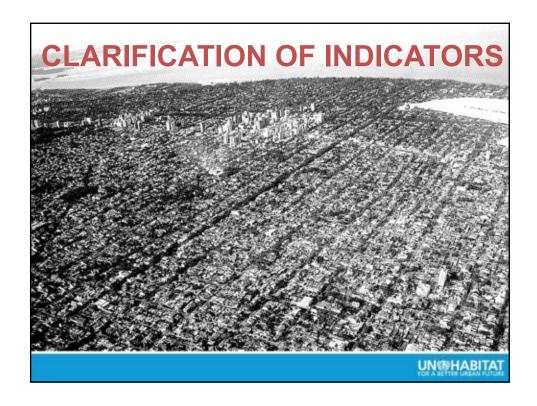
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Construction of a scheme of WEIGHTS

- a) The dimensions have an equal weight in the indicator.
- b) The sub-dimensions have equal weight within its dimension.
- c) The variables have equal weight within its subdimension







tructure of the Inde	X	
	1. Economic Growth Sub Index (EG)	
Productivity	2. Economic Agglomeration (EA)	
	3. Employment Sub Index (E)	
	Housing Infrastructure Sub Index (HI)	
	2. Social Infrastructure (SI)	
Infrastructure Development	3. ICT Sub Index (ICT)	
	4. Urban Mobility Sub Index (UM)	
	5. Street Connectivity (SC)	
	1. Health Sub Index (H)	
Quality of Life	2. Education Sub Index (E)	
Quality of Life	3. Safety and Security Sub Index (SS)	
	4. Public Space (PS)	
	1. Economic Equity Sub Index (EE)	
Facility and Cooled Inchesion	2. Social Inclusion Sub Index (SI)	
Equity and Social Inclusion	3. Gender Inclusion Sub Index (GI)	
	4. Urban Diversity (UD)	
	1. Air Quality Sub Index (AQ)	
Environmental Sustainability	2. Waste Management Sub Index (WM)	
·	3. Water and Energy Sub Index (WE)	
	1.Participation and Accountability (PA)	
Governance and Legislation	2.Municipal Finance (MF)	
	3.Governance of Urbanization (GU)	

Indicators of Basic CPI

PRODUCTIVITY



Economic Strenght

- City Product per Capita
- **Economic Burden**
- Old Age Dependency

Economic Agglomeration

Economic Density

Economic Densit

Employment

• Unemployment Rate

INFRASTRUCTURE



Housing Infrastructure

- Improved Shelter
- · Access to Improved Water

Social Infrastructure

· Physicians Density

ICT

Internet Access

Street Connectivity

- Intersection Density
- · Land Allocated to Streets
- · Street Density

Urban Mobility

- Use of Public Transport
- Traffic Fatalities
- Length of Mass Transport Network

QUALITY OF LIFE



Health

- Life Expectancy at Birth
- Under-Five Mortality Rate

Education

- · Literacy Rate
- Mean Years of Schooling

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Indicators of Basic CPI

EQUITY AND SOCIAL INCLUSION



Economic Equity

- Gini Coefficient
- Poverty rate

Social Inclusion

- Slum Household
- Youth Unemployment

Gender Inclusion

 Equitable Secondary School Enrollment

ENVIRONMENTAL SUSTAINABILITY



Air Quality

- PM2.5 Concentration
- CO2 emissions

Waste Management

- Solid waste collection
- Waste water treatment

Water and Energy

Share of renewable energy

URBAN GOVERNANCE



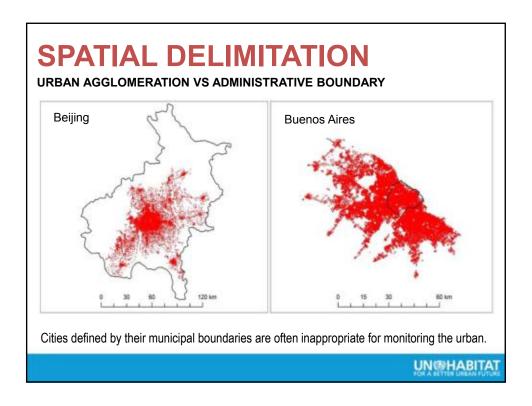
Participation

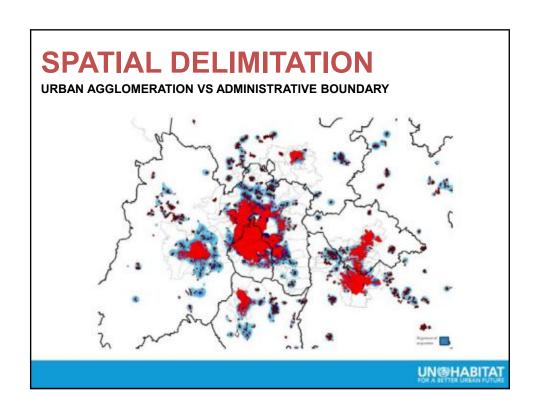
Voter turnout

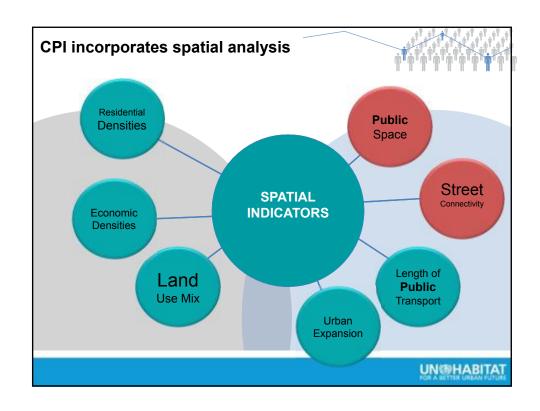
Municipal Finance

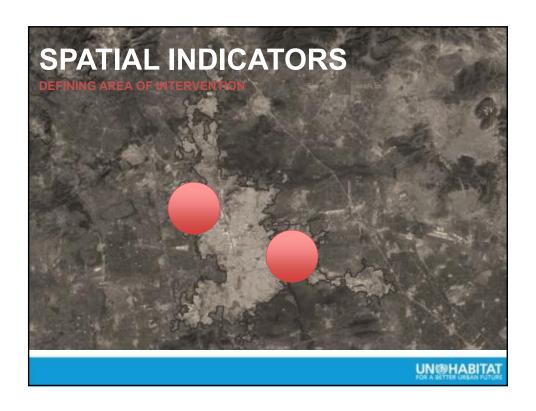
- Own revenue collection
- Days to start a business
- **Governance of Urbanization**
- Urban expansion

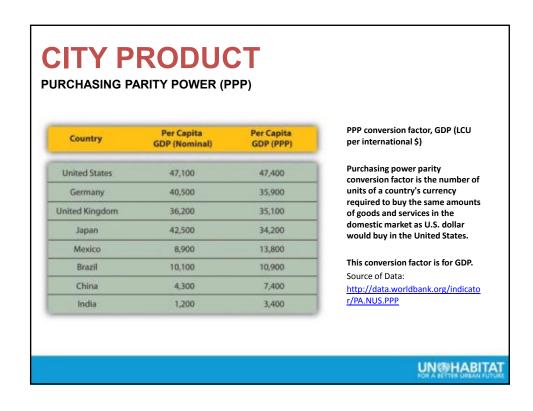
UN®HABITAT

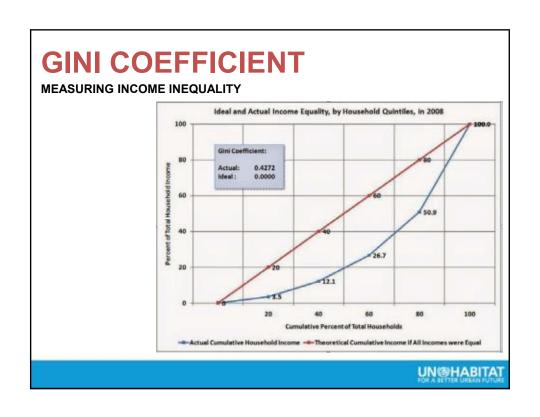


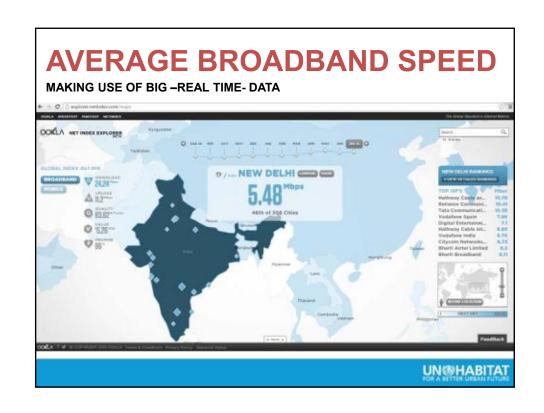


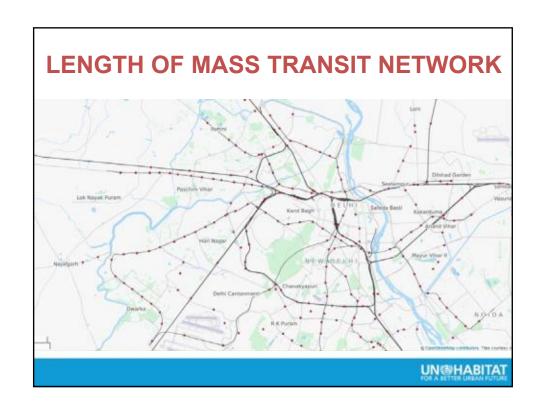


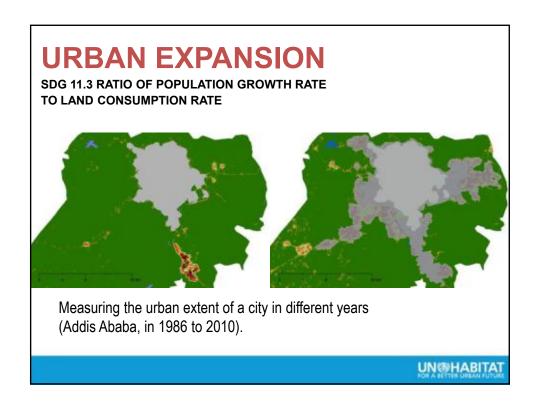


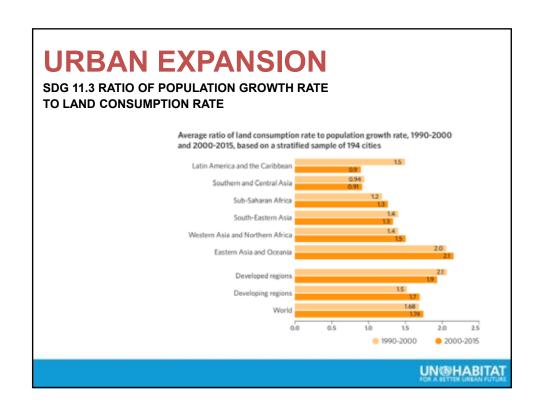




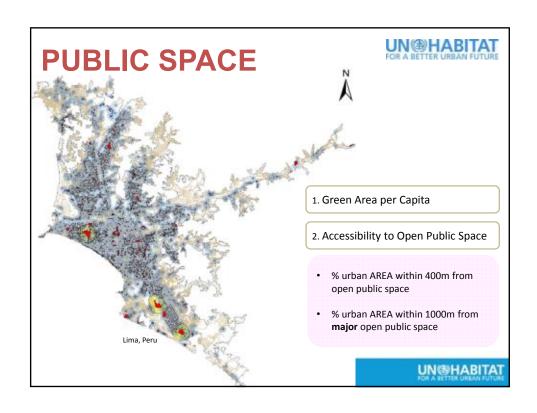




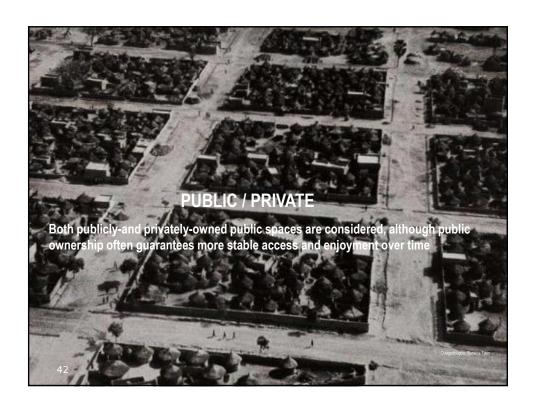


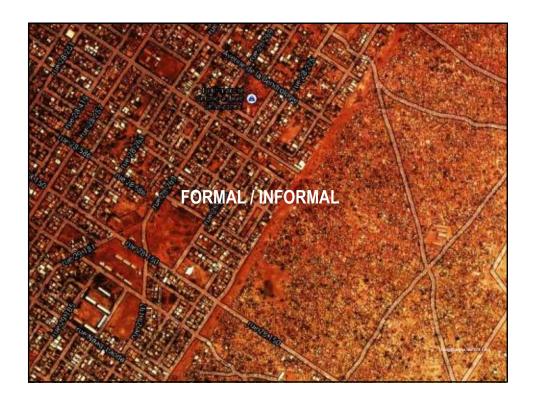




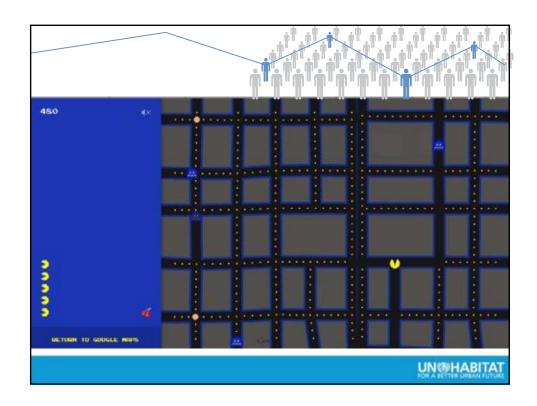


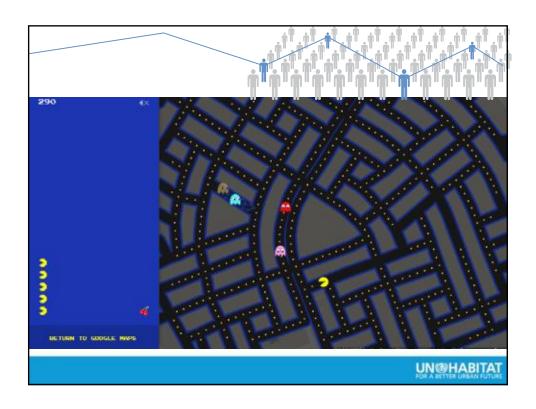


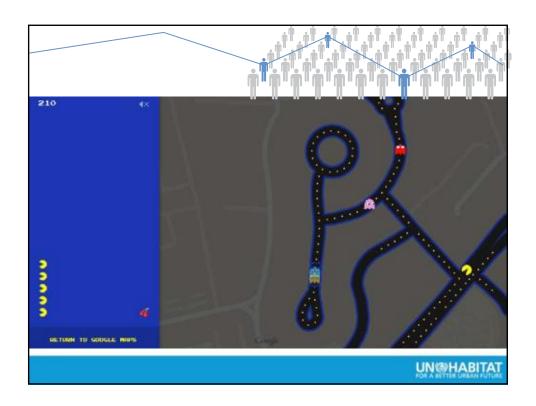


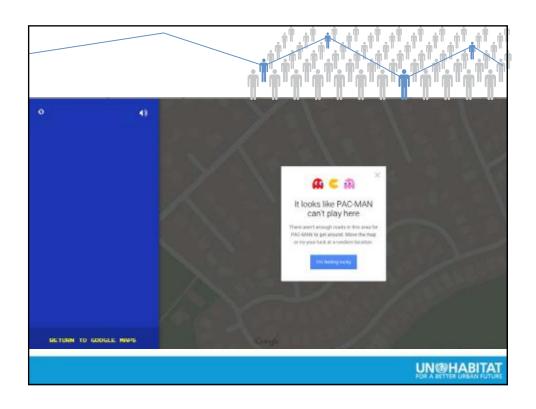






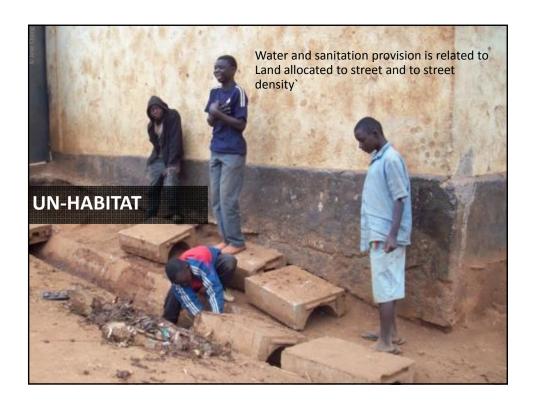




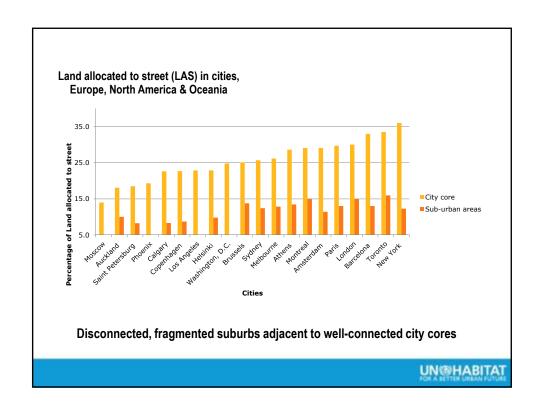


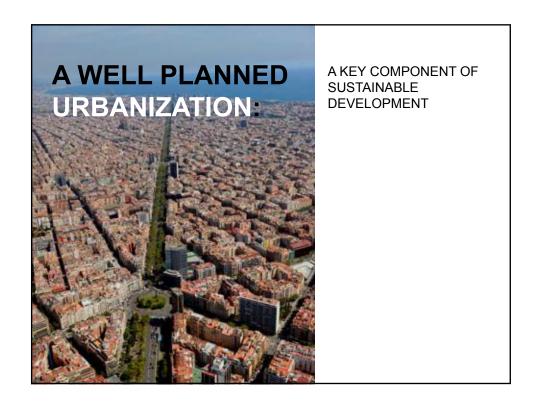




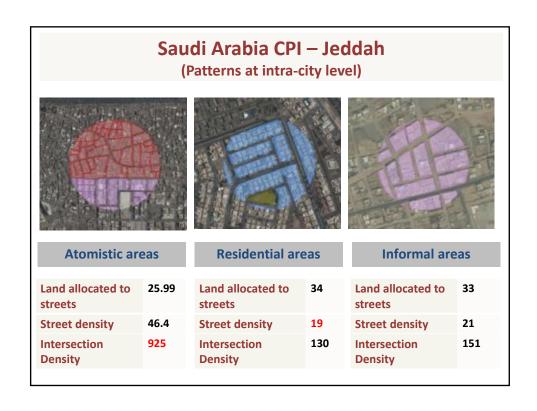


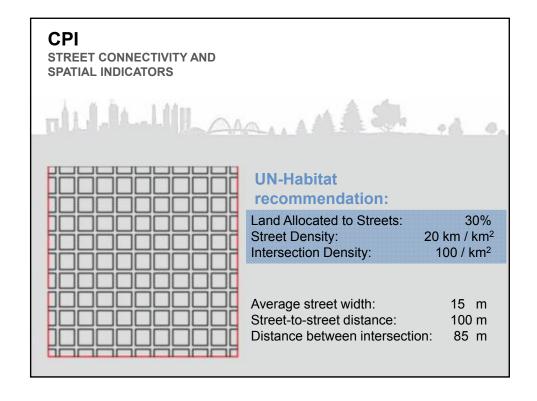


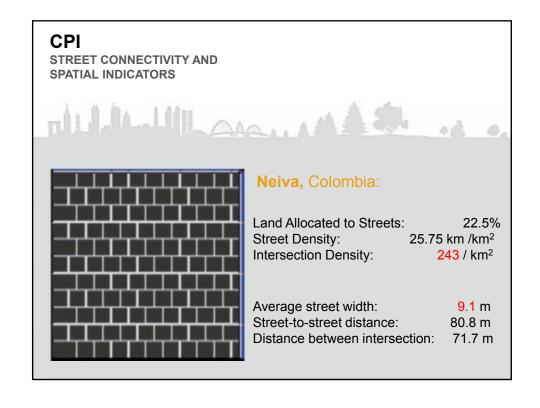


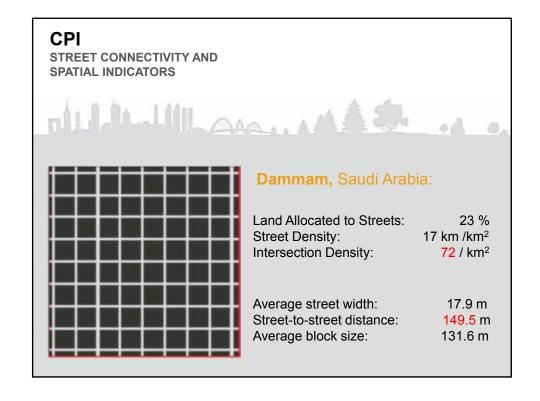


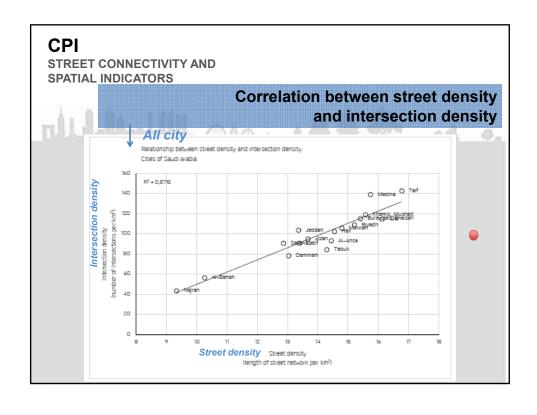


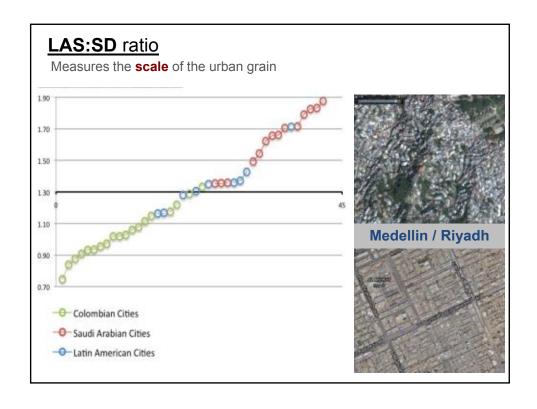


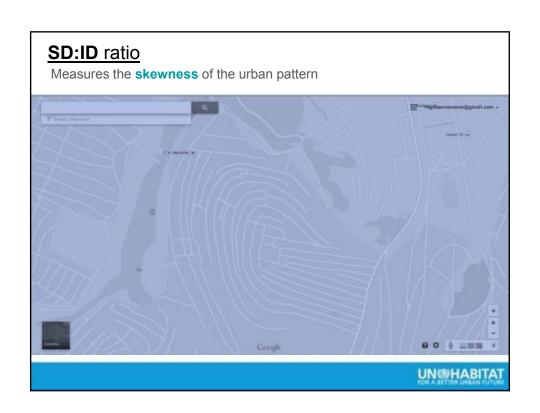


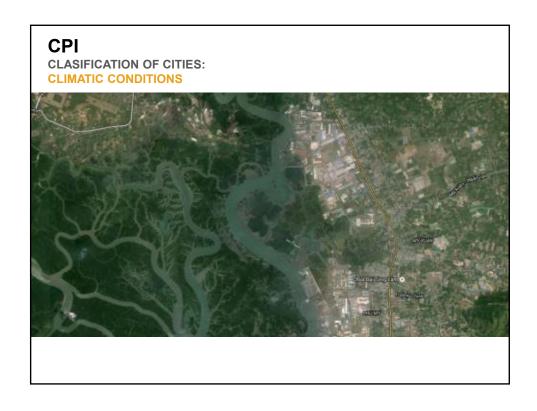




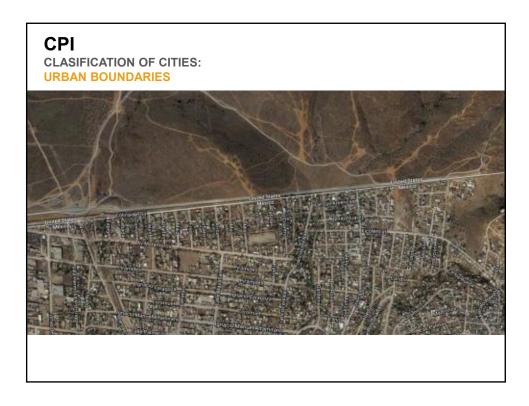


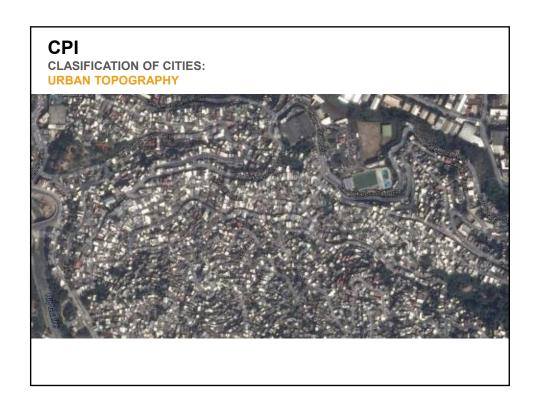




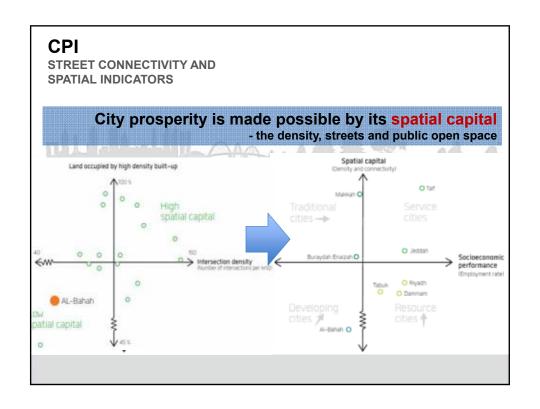


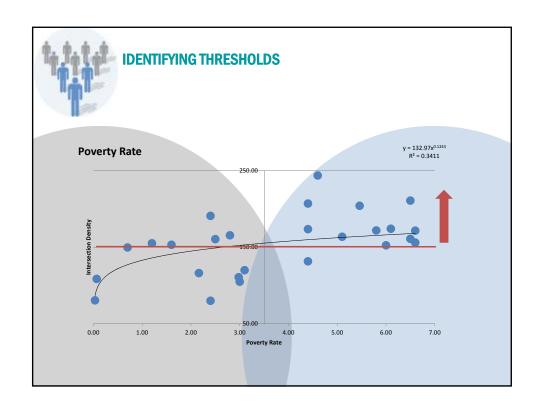


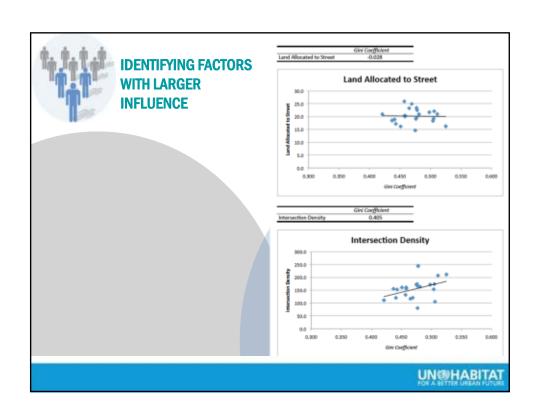


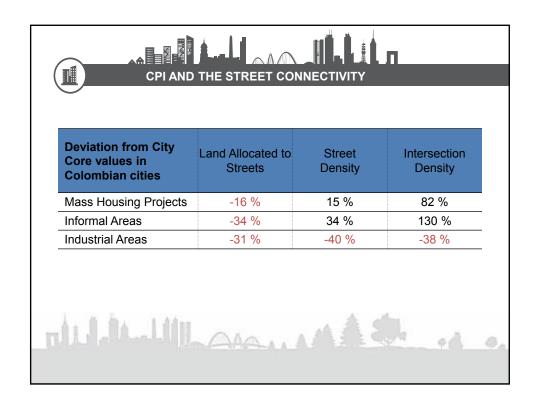


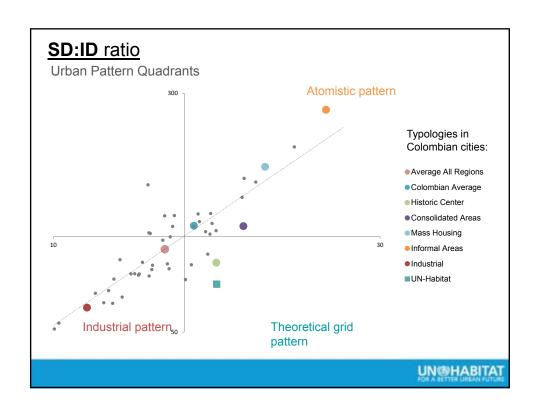
City	Land / streets	Street density	Intersection D
Riyadh	27.87	15.21	109.6
Makkah	23.12	14.98	111.11
Jeddah	22.83	14.08	125.71
Taif	22.65	16.7	146.13
Medina	27.19	15.85	153.83
Tabuk	26.65	14.21	86.67
Khamis Mushait	20.98	15.45	123.04
Najran	15	10.06	53.21
Jizan (Jazan)	22.72	13.71	105.45
Ha'il (Haiel)	24.49	14.75	110.91
Arar (Araar)	29.27	16.03	115.42
Al Bahah	13.98	10.34	59.35
Sakaka	21.43	12.57	90.67

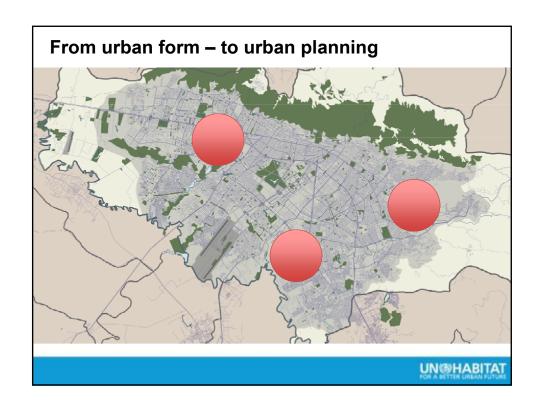


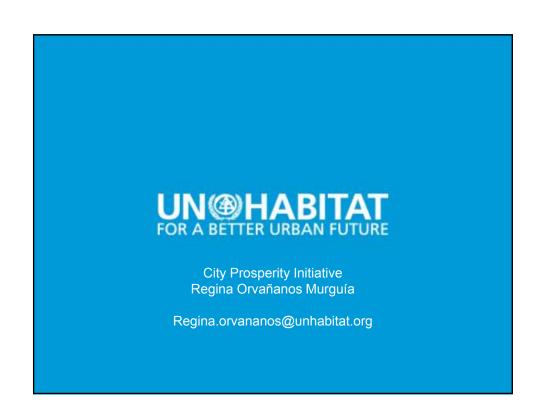












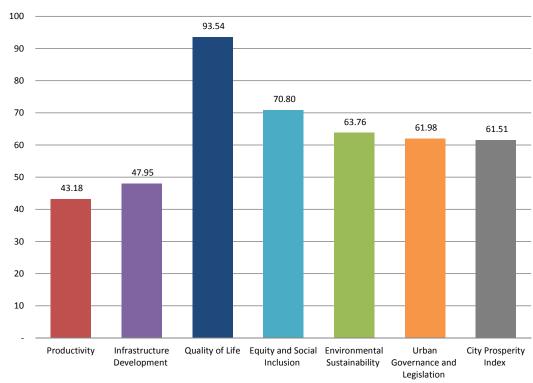


Gasa Bhutan

The Structure of the CPI

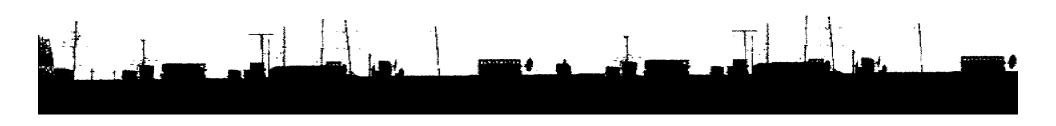
The following graphic presents the results of each of the six dimensions of the CPI based on the values provided in the latest available year.

City Prosperity Index



Standard Deviation: 17.96

UN-Habitat 2014

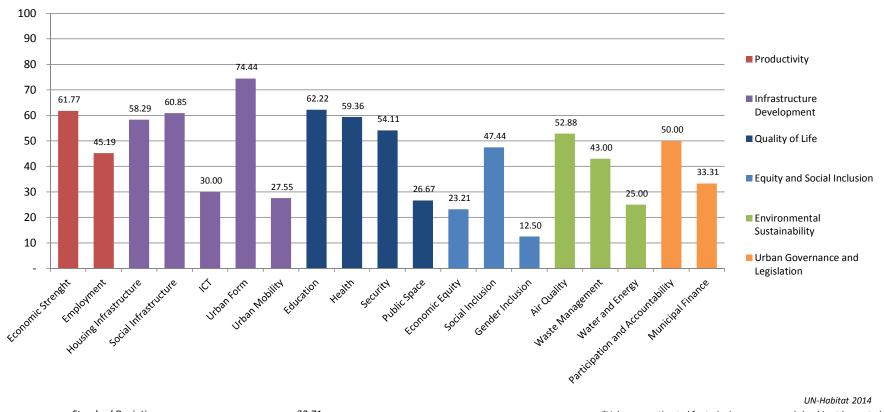


Iniciativa de las Ciudades Prósperas



Gasa Bhutan

Sudbimensions of the CPI



Standard Deviation 32.71





Gasa Bhutan

The Structure of the CPI

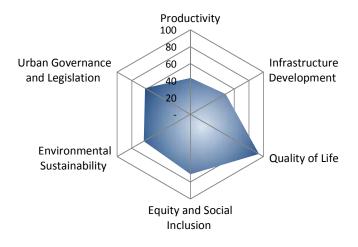
The CPI consists of six dimensions. Each dimension has a series of subindices or dimensions, which in turn include numerous indicators that allow specific index calculation. In this sense, the CPI produces six subindices related to the six dimensions of prosperity: Productivity, Infrastructure Development, Quality of Life, Equity and Social Inclusion, Environmental Sustainability and Urban governance and Legislation. The aggregation of these six sub-indices generated a consolidated value representing the CPI.

CPI Results

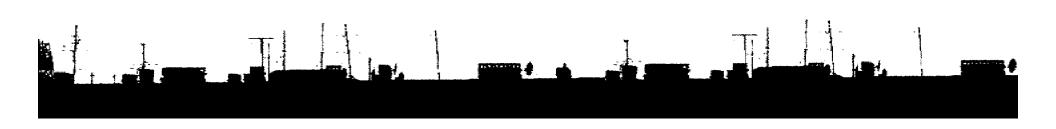
	СРІ
Productivity	43.18
Infrastructure Development	47.95
Quality of Life	93.54
Equity and Social Inclusion	70.80
Environmental Sustainability	63.76
Urban Governance and Legislation	61.98
City Prosperity Index	61.51

^{*}Values are estimated for trainning purposes and should not be quoted.

City Prosperity Index (Last year)



UN-Habitat 2014





mangan india

The Structure of the CPI

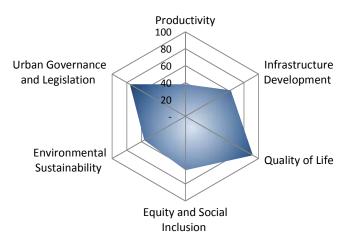
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CPI Results

	CPI
Productivity	38.05
Infrastructure Development	61.78
Quality of Life	92.10
Equity and Social Inclusion	63.50
Environmental Sustainability	56.36
Urban Governance and Legislation	76.01
City Prosperity Index	62.38

^{*}Values are estimated for trainning purposes and should not be quoted.

City Prosperity Index (Last year)



UN-Habitat 2014



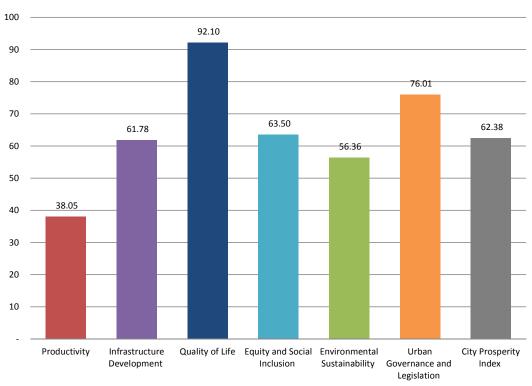


mangan india

The Structure of the CPI

The following graphic presents the results of each of the six dimensions of the CPI based on the values provided in the latest available year.

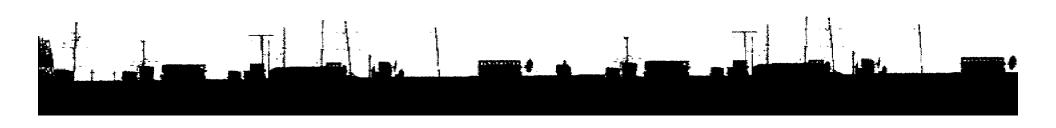
City Prosperity Index



Standard Deviation:

18.27

UN-Habitat 2014

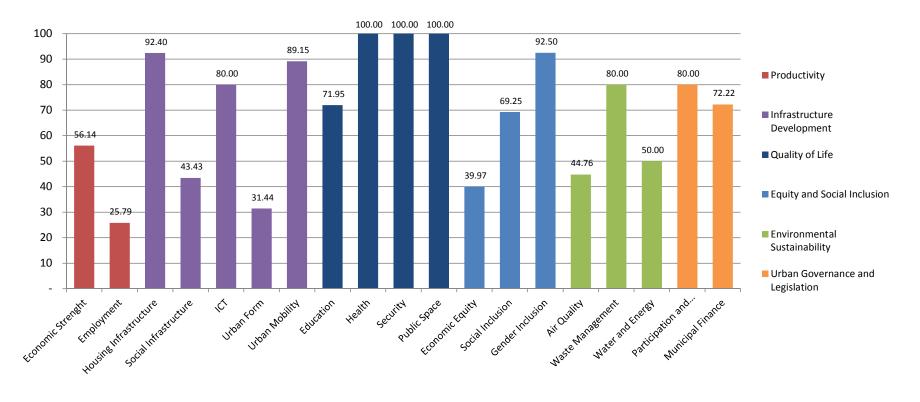


Iniciativa de las Ciudades Prósperas



mangan india

Sudbimensions of the CPI



UN-Habitat 2014

Standard Deviation

24.33





Malang Indonesia

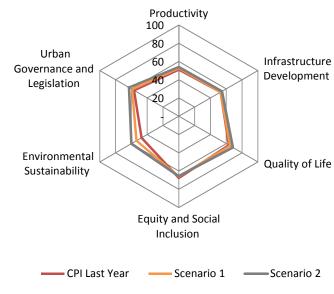
The structure of the CPI

The data entered in the previous sheet has been used to re-calculate two scenarios of the CPI. Scenario 1 refers to a realistic scenario for year 2020 based on identified priority areas. Scenario 2. should refer to the optimal scenario for year 2020, also based on the identified priority areas.

CPI Results

	CPI Last Year	Scenario 1	Scenario 2
Productivity	51.09	52.58	53.96
Infrastructure Development	52.78	52.83	54.48
Quality of Life	63.26	64.70	68.24
Equity and Social Inclusion	67.57	65.98	65.54
Environmental Sustainability	47.17	53.61	59.96
Urban Governance and Legislation	56.53	59.00	63.03
City Prosperity Index	55.97	57.86	60.63

City Prosperity Index



UN-Habitat 2014





Malang Indonesia

The Structure of the CPI

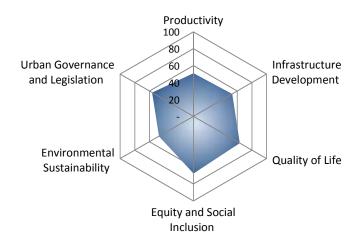
The CPI consists of six dimensions. Each dimension has a series of subindices or dimensions, which in turn include numerous indicators that allow specific index calculation. In this sense, the CPI produces six subindices related to the six dimensions of prosperity: Productivity, Infrastructure Development, Quality of Life, Equity and Social Inclusion, Environmental Sustainability and Urban governance and Legislation. The aggregation of these six sub-indices generated a consolidated value representing the CPI.

CPI Results

	CPI
Productivity	51.09
Infrastructure Development	52.78
Quality of Life	63.26
Equity and Social Inclusion	67.57
Environmental Sustainability	47.17
Urban Governance and Legislation	56.53
City Prosperity Index	55.97

^{*}Values are estimated for trainning purposes and should not be quoted.

City Prosperity Index (Last year)



UN-Habitat 2014



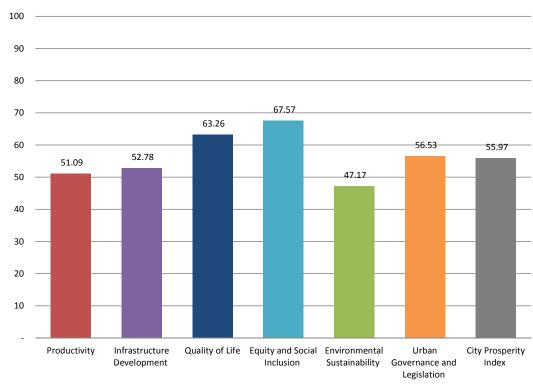


Malang Indonesia

The Structure of the CPI

The following graphic presents the results of each of the six dimensions of the CPI based on the values provided in the latest available year.

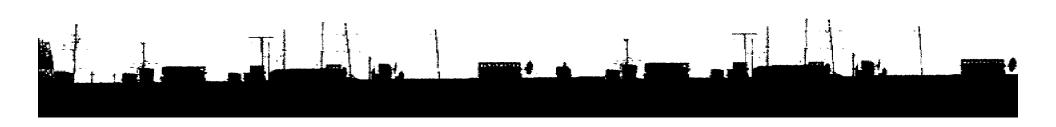
City Prosperity Index



Standard Deviation:

7.73

UN-Habitat 2014

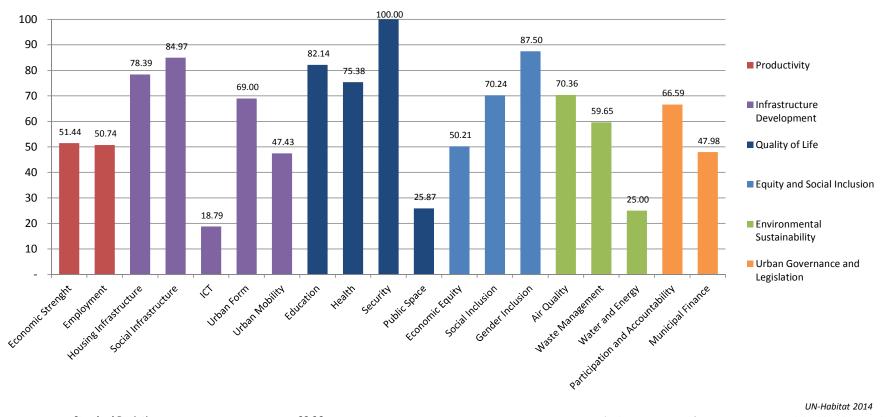


Iniciativa de las Ciudades Prósperas

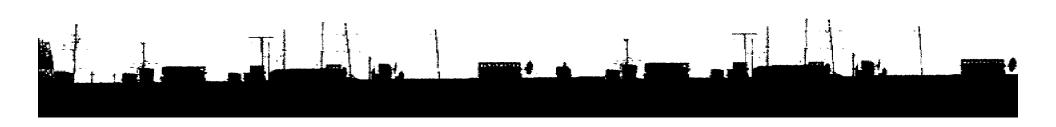


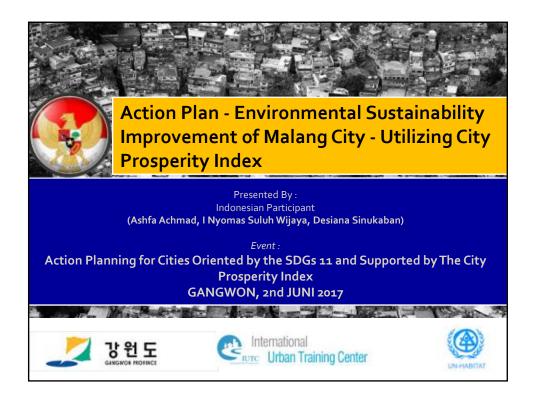
Malang Indonesia

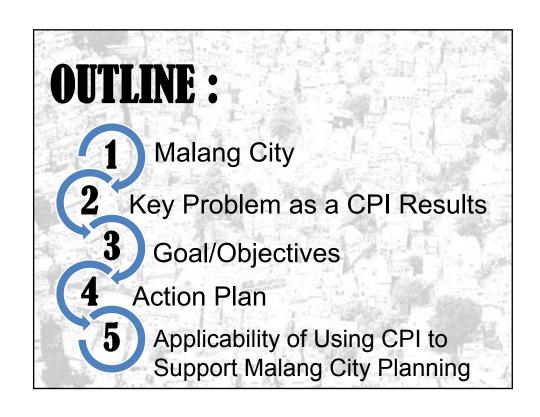
Sudbimensions of the CPI

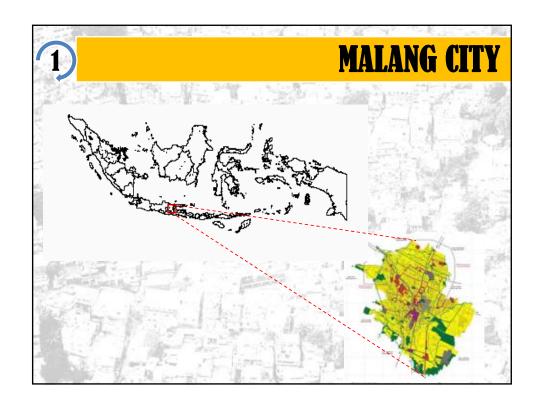


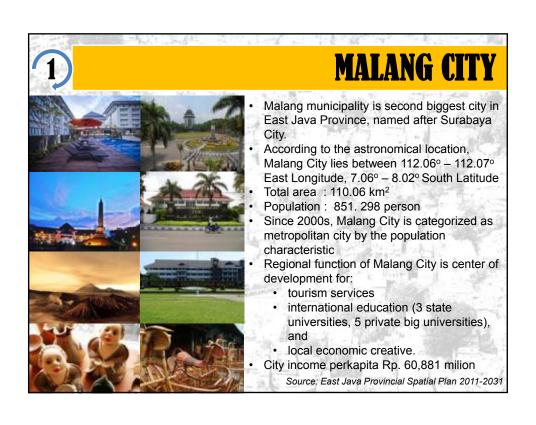
Standard Deviation 22.36

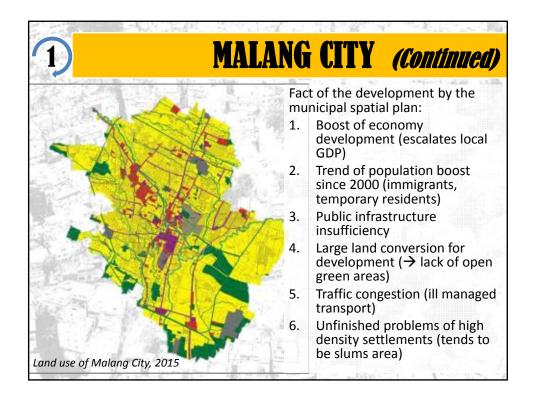


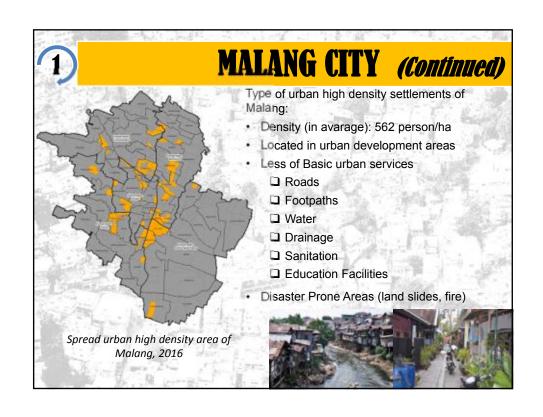


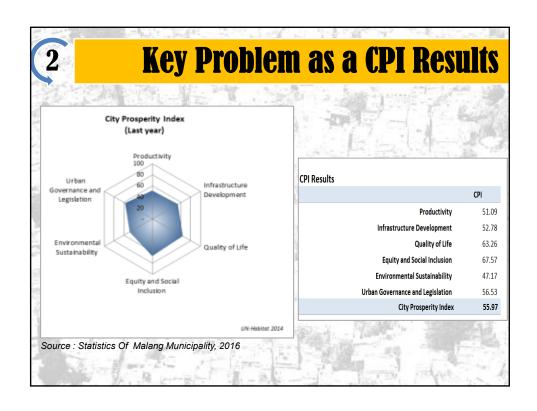


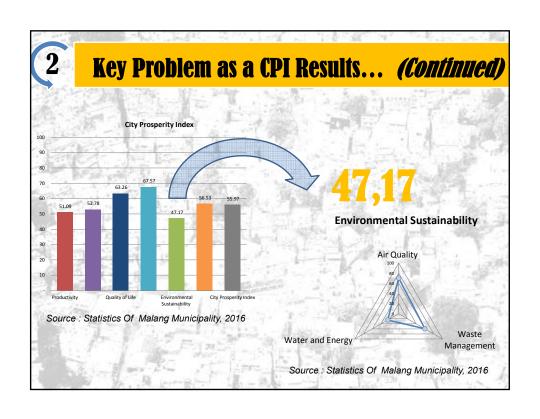


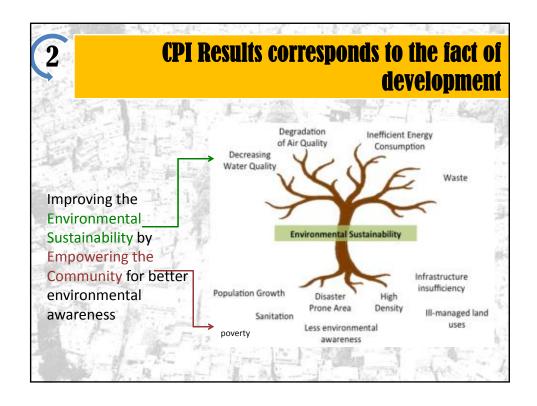






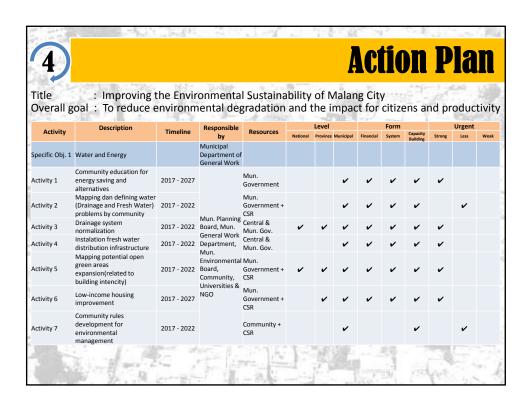






Some focused improvements /Goals

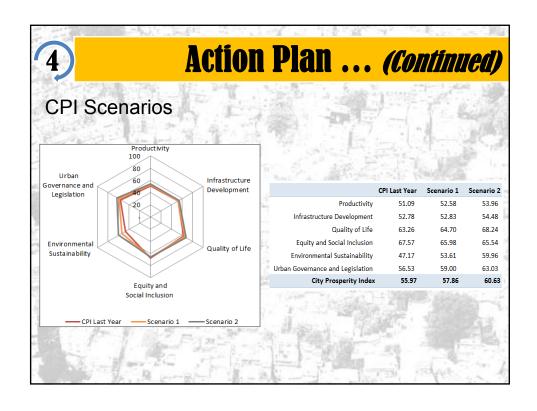
- To minimize the occurrence of danger from the environment to health and welfare of human life;
- To improve the health and welfare of human life and to prevent from the danger of disease;
- To realize the availability of solid waste facilities and infrastructure;
- To realize the availability of waste water treatment and infrastructure;
- To increase the coverage of waste services and optimizing waste management;
- To encourage the increasing of healthy lifestyle awareness behavior early on.

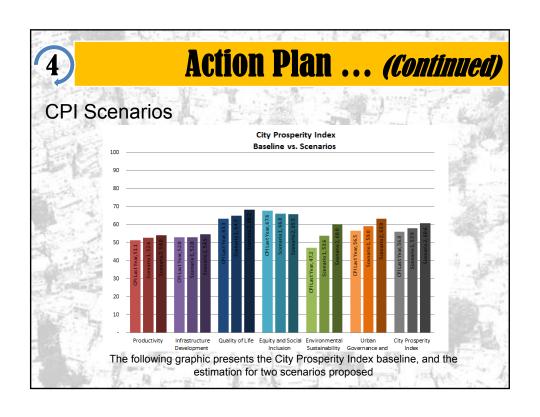


4	Superior State of Property	A	<u>ctio</u>	n P	la	n	• • •		(Cl	oni		<i>IIE</i>	d)
Activity	Description	Timeline	Responsible by	Resources	National	Level	Municipal	Figure	Form System	Capacity	Strong	Urgent Less	Weak
Spesific obj.	Waste management		Municipal Department of General Work		National	Province	минстраг	rmancial	System	Building	Strong	Less	vveak
Activity 1	Mapping and defining waste management problem by community work	2017 - 2022	Mun. Planning Board, Mun. General Work Department, Mun. Environment al Board, Mun. Board of Investment and Creative Local Economy, Community, Universities & NGO	Mun. Government			v	v	v	v	v		
Activity 2	Developing the community solid waste management (separation-collecting- dumping)	2017 - 2022		Mun. Government+ Community			,		,	V	V		
Activity 3	Waste water treatment instalation	2017 - 2022		Mun. Government	V	~	~	~	~	~	~		

A adjusters	Description	Timeline	Responsible	Resources		Level			Form			Urgent	
Activity	Description	Ilmeline	by	Resources	National	Provinc e	Municipal	Financial	System	Capacity Building	Strong	Less	Weak
Spesific obj.	Waste management		Municipal Department of General Work										
Activity 4	Developing local solid waste instalation for recycling	2017 - 2022	Mun. Planning Board, Mun. General	Central & Mun. Government		~	~	V	~	V		~	
Activity 5	Solid waste bank initiation and development	2017 - 2022	Work Department, Mun.	Community + CSR			~			~		~	
Activity 6	Community empowerment for green bussiness on waste management	2017 - 2027	Environment al Board, Mun. Board of Investment	Mun. Government + CSR			V		V	V	V		
Activity 7	Improving capacity and quality of City's Dumping Area	2017 - 2027	and Creative Local Economy,	Mun. Government	~	~	~	V	V	V	V		
Activity 8	Soft-loan for green bussiness initiation and the development	2017 - 2027	Community, Universities & NGO	Mun. Government + CSR			~	~	~	~		~	

			ction P		100		•••		100	/255			
Activity	Description	Timeline	Responsible by Resourc			Level			Form			Urgent	
			, ,		National	Province	Municipal	Financial	System	Capacity Building	Strong	Less	Weak
Spesific Obj 3	Air Quality		Municipal Department of General Work										
Activity 1	Community education for urban farming and greening	2017 - 2027	Mun. Planning	Mun. Government + CSR			~	V	~	~	~		
Activity 2	Infrastructure development for urban farming	2017 - 2027		Community + CSR			~			~		~	
Activity 3	Mapping potential open green areas expansion (related to building intencity evaluation)	2017 - 2027	Mun. Environmenta	Mun. Government			~	V	~	~	~		
Activity 4	Public transport campaign	2017 - 2027	Investment and Creative	Mun. Government + CSR	~	~	~	V	~	~	~		
Activity 5	Pedestrian line improvement	2017 - 2022		Mun. Government	~	•	~	~	~		~		
Activity 6	Developing city line infrastructure	2022 - 2027	Universities & NGO	Central & Mun. Government	•		•	~	•				~







Applicability of Using CPI to Support Malang City Planning

- Do you find it useful for your city/your work?
 - ➤ CPI helps in understanding city's recent condition based upon the adequate information → demand in completing city's data base.
 - CPI helps in revealing the practical strengths and weakness of the city
- Do you see any potential to apply CPI in your city?
 - ➤ Yes, CPI provides good benefits for describing the dimensional and sub dimensional performance associated with the realization of sustainable development. For next step, we need a more comprehensive model to apply it in an action plan.



Applicability of Using CPI to Support Malang City Planning

- What are the financial resources could be mobilized to make it happen?
 - Financing sources can come from the provincial and municipal governments, and Corporate Social Responsibility (CSR).





Cam on bạn
Dankie Gracias
CΠαCИΘΟ
Merci Takk
Köszönjük Terima kasih
Grazie Dziękujemy Dėkojame
Ďakujeme Vielen Dank Paldies

フト人トローレー
感謝您 Obrigado Teşekkür Ederiz
THANK YOU
Σας ευχαριστούμε
Bedankt Děkujeme vám
ありがとうございます
Tack





Contents

- * Backgrounds
- * CPI
- * Project of Upgrading "ger" area
- * Action plan



MONGOLIA

Capital city-ULAANBAATAR Region: East Asia and Pacific

POPULATION 45.3%

2016

3 081 677 in UB 1 396 300 POPULATION DENSITY

1.96 per/sq.km 2.96 per/sq.km

POPULATION GROWTH RATE 2014 1.5% in UB 3.7%

TOTAL AREA

1.564.12 sq.km UB 470.4 sq.km

Ulaanbaatar city dominates Mongolian economy, accounting for more than 60% of the country's GDP.

Current situation in Ulaanbaatar city

- Water resource
- Damaged environment, including polluted air, water, soil
- · Lack of development in satellite towns
- Inadequate of institutional capacity and legal environment
- · Inadequate of municipal funding
- Unplanned expansion of the city, inappropriate land use and ger areas
- Traffic and congestion
- · Lack of engineering infrastructure
- · Lack of housing supply with basic amenities







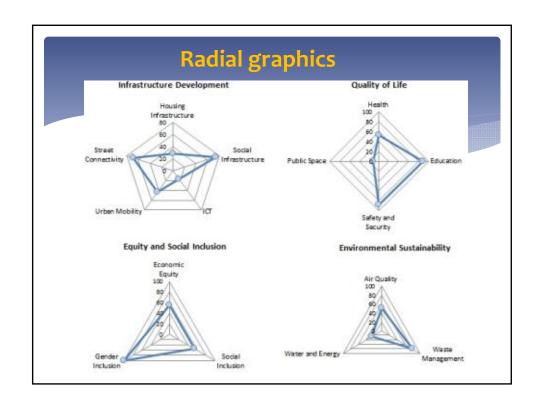
City Prosperity Initiatives

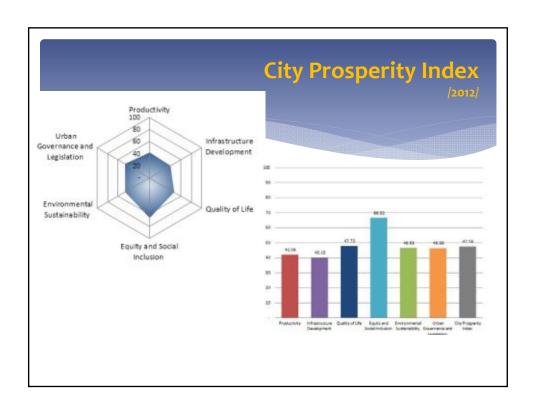
MEASURE - by critical mass of data and information

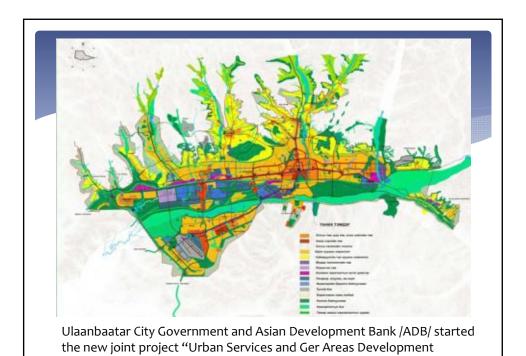
UNDERSTAND - the factor that generate

CHANGE - by formulating policies, strategies and action plans

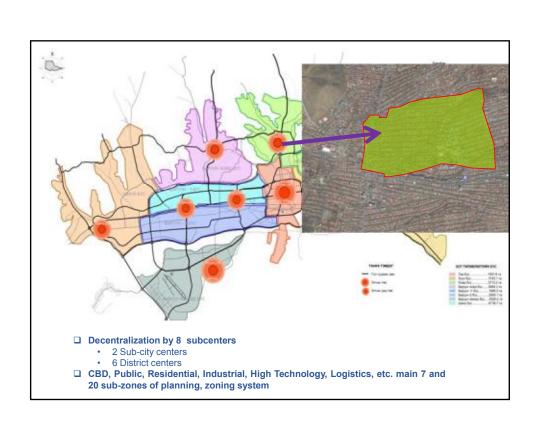
MONITOR - the outcomes of policy implementation







Investment Program" with UN Habitat office in Mongolia.



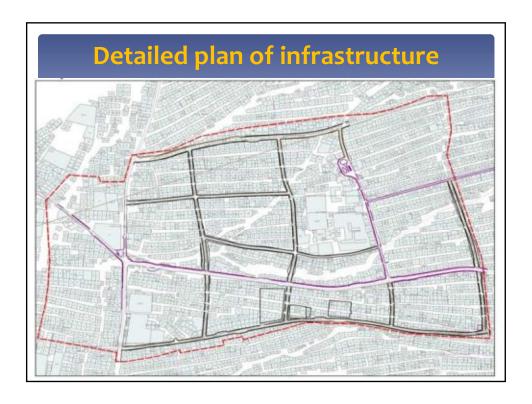
Uncleveloped area Without health service Unpaved and unplanned roads Potable and hot water No sanitation system Heating system Public transport

"BAYANKHOSHUU SUB CENTER DEVELOPMENT" PROJECT

- Ulaanbaatar City Government and Asian Development Bank /ADB/ started the new joint project "Urban Services and Ger Areas Development Investment Program" with UN Habitat office in Mongolia.
- This project followed the "Adjustments to the Ulaanbaatar City Urban
- Development Master plan 2020 and Development Directions 2030".
- The revised Master plan includes, for the first time, "ger" area development that identifies a set of sub centers to be improved for rebalancing Ulaanbaatar city's development.

"BAYANKHOSHUU SUB CENTER DEVELOPMENT" PROJECT

- Bayankhoshuu sub center is the major and priority sub center for redevelopment within the mid ger area.
- Development pressure on Ulaanbaatar city is pronounced in a city which has two distinct parts: (i) formal or urban core area, consisting mainly of the large apartment blocks with networked utility services, including dedicated heating, potable and hot water, and sanitation systems. The majority of business and services are located in this area. (ii) Ger areas, located on the periphery of the city center, characterized by the irunplanned nature, subserviced plots—usually from 0.05ha







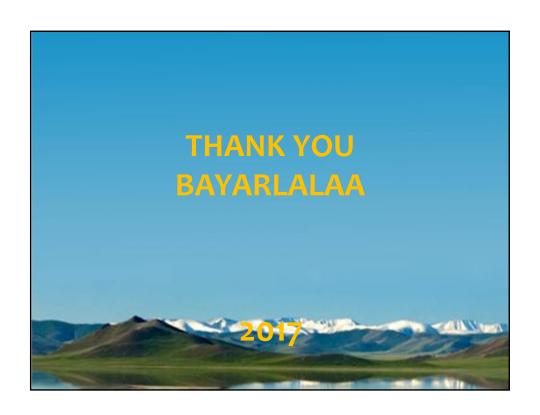
Title: Undevelo	ped residentia	al area		
Overall goal	Improve to Bayan	khoshuu subcenter	in Capital city	
Activities	Description	Timeline	Responsible by	Resources
Detailed blue print	Establish Infrastructure detailed design -Improved detailed plan and approved by Citizens' Representative	2016-2017	Working with the project implementation in cooperation with consultancy services teams of Dohwa /South Korea/.	ADBank+UB City Government
Selection performer	-To announce a tender -Making contract	2017 Jan – 2018 Apr	UB City Program Management office +ADB	ADBank+UB City Government

Title: Undeve	loped residential	area		
Overall goal	Improve to Bayankho	shuu subcen	ter in Capital city	
Activities	Description	Timeline	Responsible by	Resources
To ensure communities and enterprises meaningful engagement and participation in the project	-Organize focus group meeting -support to establish the primary groups an community councils	2017 Jan – 2018 Apr	UB City Program Management office +UN Habitat's Mongolian office	ADBank+UB City Government
Resettlement plots	Inform and provide notice of resettlement Report evaluation property Allocate to affected households	2017–2018	UB City Program Management office + Capital city Property Department, Egis /France/.	ADBank+UB City Government

Title: Undevelo	ped residentia	al area		
Overall goal	Improve to Bayan	khoshuu subcenter	in Capital city	
Activities	Description	Timeline	Responsible by	Resources
Construction work	-under ground work -building and Road	2017-2019	UB City Program Management office + Performer	ADBank+UB City Government
Check list	-detailed plan -selected performer agency -approved suggestion for social activity -operation -construction work	2017- 2019	ADBank+UB City Government	ADBank+UB City Government

Result

- * Action plan for the implementation of selected environmental, social and environmental infrastructure will improve the environmental conditions
- * We are building affordable houses
- * Make happy life for everyone





Can Tho vietnam

The Structure of the CPI

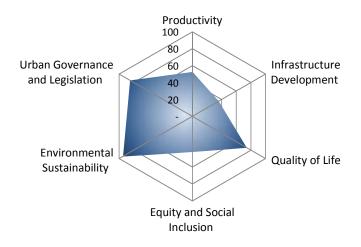
The CPI consists of six dimensions. Each dimension has a series of subindices or dimensions, which in turn include numerous indicators that allow specific index calculation. In this sense, the CPI produces six subindices related to the six dimensions of prosperity: Productivity, Infrastructure Development, Quality of Life, Equity and Social Inclusion, Environmental Sustainability and Urban governance and Legislation. The aggregation of these six sub-indices generated a consolidated value representing the CPI.

CPI Results

	CPI
Productivity	52.50
Infrastructure Development	35.77
Quality of Life	74.24
Equity and Social Inclusion	42.27
Environmental Sustainability	94.90
Urban Governance and Legislation	85.28
City Prosperity Index	60.22

^{*}Values are estimated for trainning purposes and should not be quoted.

City Prosperity Index (Last year)



UN-Habitat 2014



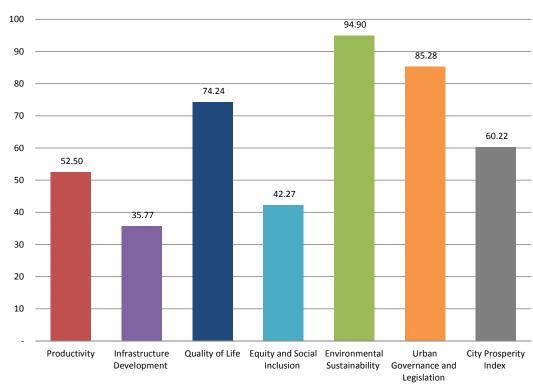


Can Tho vietnam

The Structure of the CPI

The following graphic presents the results of each of the six dimensions of the CPI based on the values provided in the latest available year.

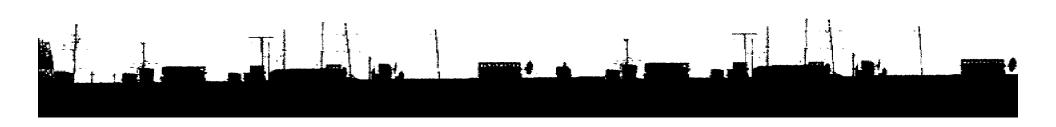
City Prosperity Index



Standard Deviation:

24.14

UN-Habitat 2014

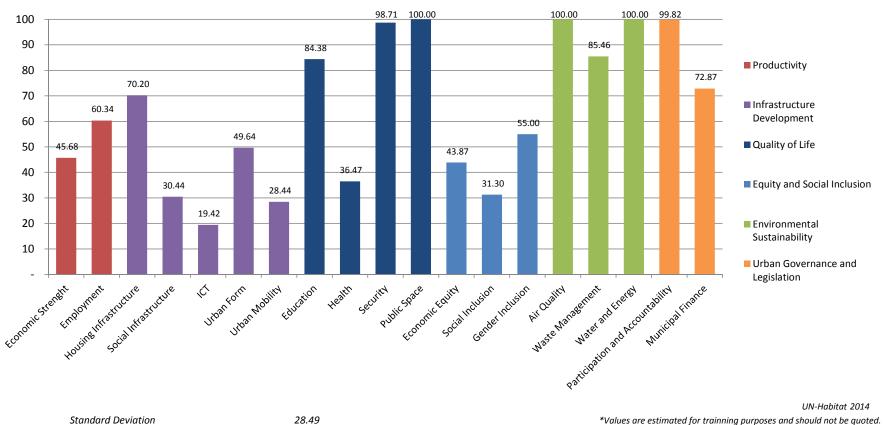


Iniciativa de las Ciudades Prósperas

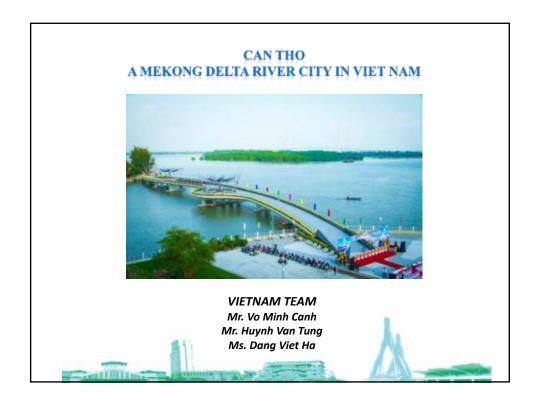


Can Tho vietnam

Sudbimensions of the CPI







Vietnam

The 5th country having the biggest urban land in the East Asia

The 6th highest urban population country in the East Asia with 23 million people

→ Rapid urbanization



Can Tho city

Land area: 1,438.96 km2

Location: central of the

Mekong delta

Population: 1.25 million

Characteristics: a central city, in the key economic regions

of the MD, rapid

urbanization, have Can Tho International airport, Cai Cui

port & Can Tho bridge 9 districts, 36/36 communes/wards have

transport infrastructure that cars can go to the center

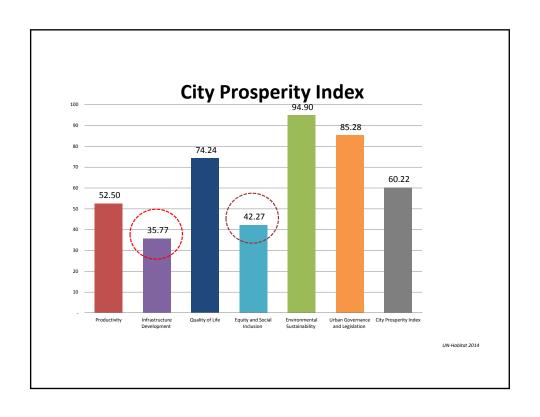


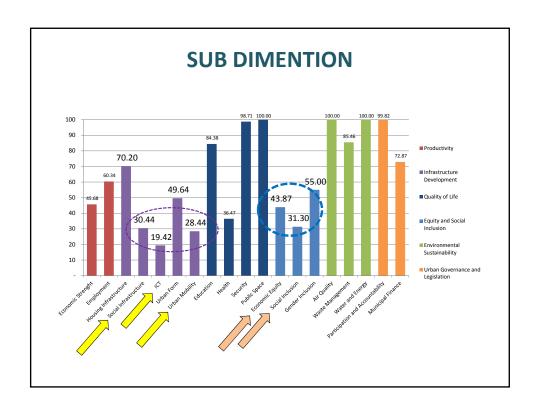
Problems of Can Tho city

- Facing problems in waste treatment, gas emissions, infrastructure, housing, public places, equality in development, etc
- Need a tool to measure urban development in all aspects
- → propose policy for a sustainable urban development



INDEX DIMENSIONS Productivity **Proposed solution:** Infrastructure Can Tho started to Quality of calculate and Life implement CPI (Cities quity & Socia Prosperity Index) in Inclusion 2016 supported by **UN-Habitat** nvironmental Governance





Overall goal	Increase the Internet access in both qu	iantity and qui	ality	
	ctive 1: Improved technical infrastructur		ancy	
specific object	·	Timeline	D	D
	Description		Responsible by	Resources
Activity 1	Install optical cable to increase speed and quality of the network	2016-2020	Dept.Info&Comm. local people's committees	State budget
Activity 2	Install more stations in rural areas for better coverage in rural area	2016-2020	Dept.Info&Comm. Company (Viettel, VNPT, etc.); local people's committees;	State budget, social capital mobilization
Activity 3	Better maintain and utilize current network	Yearly	Dept.Info&Comm. local people's committees	State budget
Specific object	ctive 2: Increased people's awareness o	n benefits of h	aving Internet access	
Activity 1	Organize events and deliver brochure, leaflet	2017	Dept.Info&Comm. and other depts; local authority; media, communities	State budget
Activity 2	Provide testing/pilot installation in rural areas in community halls	2017	Dept.Info&Comm. private sector; local communities	Social capital; State budget
Specific object	ctive 3: Strengthened effective use of In	ternet among	private sector and communities	
Activity 1	Organize short course trainings (on Internet marketing and sale, etc.) for enterprises and communities	2017-2018	Dept.Info&Comm. institutions, universities, associations	State budget, social capital, UN agency, development orgs.
Activity 2	Publish Handbook or guideline	2017-2018	Dept.Info&Comm. institutions, universities	State budget, social capital, UN agency, development orgs.

Overall goal	Increase the number of physicians over 1,000 inhabitants					
Specific ob	jective 1: Attract more physicia	ans from othe	er cities/provinces to wor	k in the city		
	Description	Timeline	Responsible by	Resources		
Activity 1	Formulate and implement policy incentives (salary scales, housing, working environment etc.)	2018-2020	Dept. Health; hospitals and medical centers	State budget		
Specific ob	jective 2: Strengthen training a	and education	system in healthcare se	ctor		
Activity 1	For long-term education (6-7 years)	2017-2020	Dept. Health; Dept. Internal Affairs; universities and colleges	State budget		
Activity 2	For short-term education (from medical workers to physicians – 2 to 3 years)	2017-2020	Dept. Health; Dept. Internal Affairs; universities and colleges	Social capital		
Specific ob	jective 3: Attract funding for p	rivate hospita	al development			
Activity 1	Formulate and implement policy incentives	2018-2020	Dept. Health; Dept Planning&Investment	State budget, social capital		

Overall goal	Social inclusion				
Specific obje	ective 1: Decrease the n	umber of slum	s households in th	ne city	
	Description	Timeline	Responsible by	Resources	
Activity 1	Social Housing Programme	2016-2020	Dept. Construction	State budget, social capital (private sector & community)	
Activity 2	Onsite resettlement	2016-2020	Local authorities	State budget, social capital (private sector & community)	
Activity 3	Create livelihoods for resettled habitants	2016-2020	Local authorities; civil associations, NGO, enterprises, institutes	Social capital (private sector & community development fund)	

