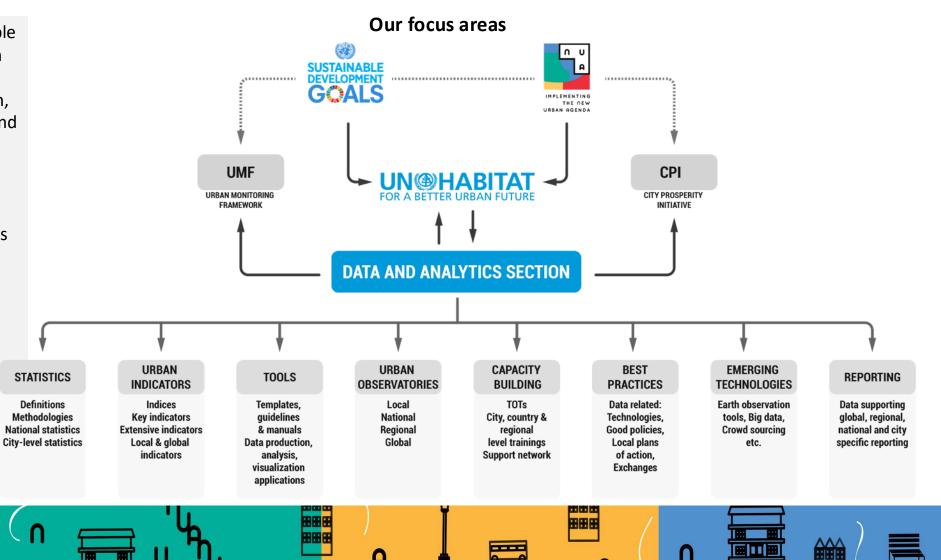


# About the Data and Analytics Unit, UN-Habitat

- Focal point for sustainable urbanization data within the SDGs
- Oversee data production, capacity development and reports production
- Lead development of tailor-made solutions to measure urban development trajectories and conditions



## **Background to the Urban Observatory Model**







Many cities face major disconnects between data production and decision-making processes



- Lack of good quality, relevant, accessible and timely data on cities
- Too much information that is not well-linked, complexities in data collection and management



#### **Hence the Urban Observatory model was created to:**

Assist countries in strengthening data capacities at national, sub-national, and local levels, providing platforms to facilitate effective knowledge exchange and promote evidence-based governance.



















## What is an urban observatory?

A local network and integrated system for producing, analyzing, disseminating data across indicators and its use for informed decision-making at local level

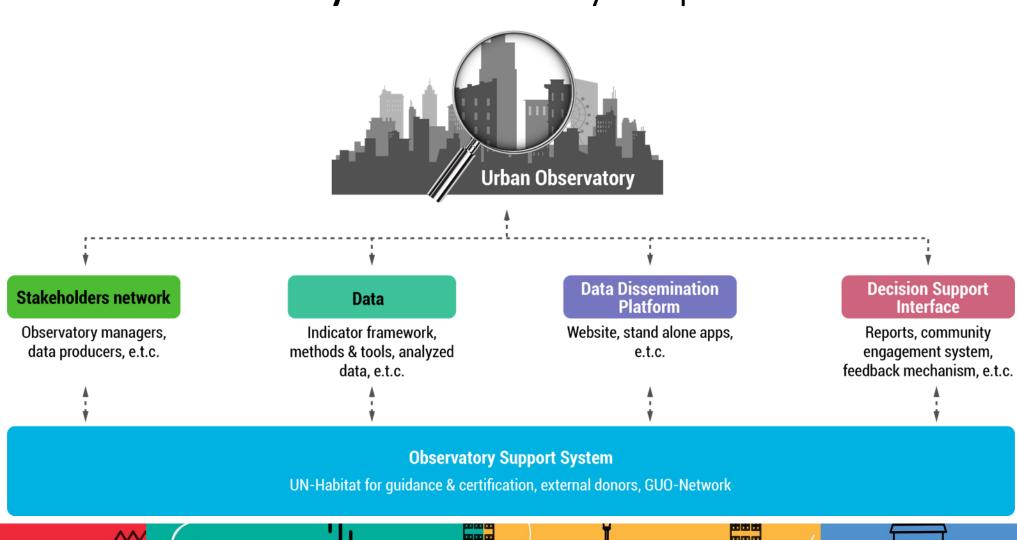
Constitutes both a process and a platform

Create sustainable urban monitoring systems in support of local planning and management processes, linking data to policy

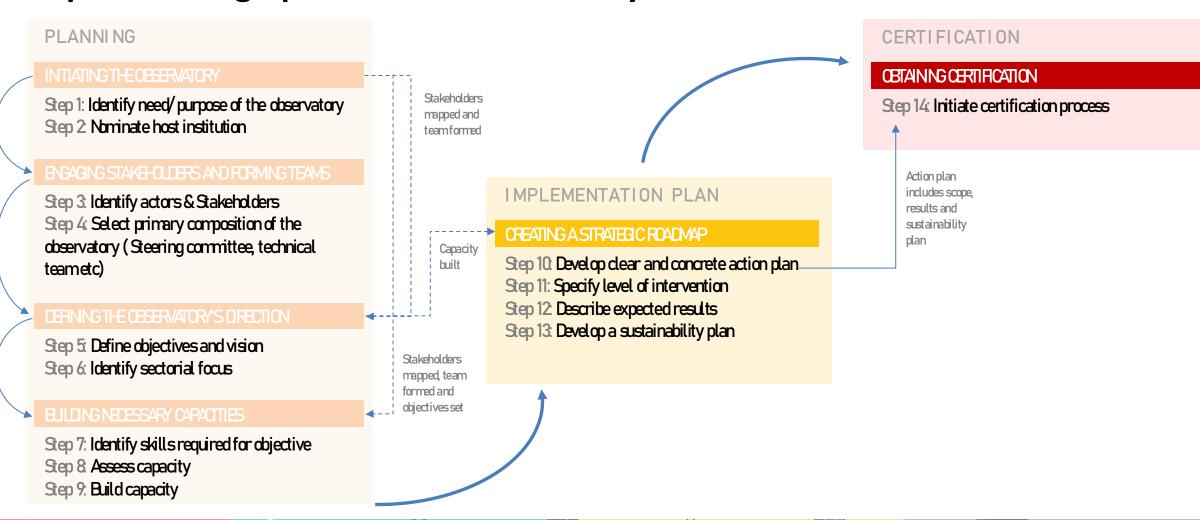
Strengthen local *capacity* for the development and use of urban indicators that facilitate the collection of disaggregated data at city and sub-city levels

Promote local *ownership* of urban indicator systems and a culture of monitoring and assessment in the urban sector.

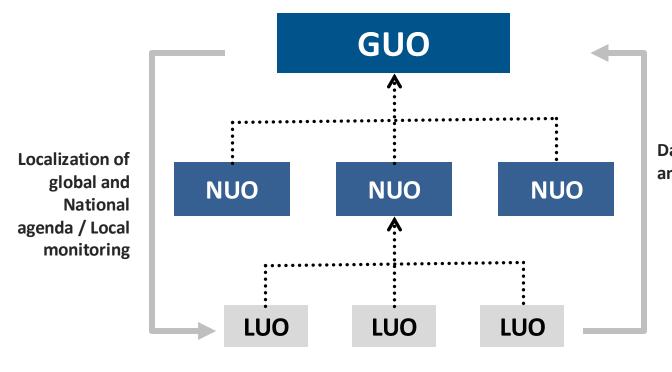
## How an urban observatory works.... Five key components



# Steps in setting up an urban observatory



#### Interactions between different urban observatory levels



Data production and aggregation

Different observatories are housed at different places

**LUOs** - existing city department, nongovernmental organization or university.

**NUOs** – statistical offices, ministry in charge of planning / urban development, research institute

**GUO** –UN-Habitat



## **Urban Observatories are connected through the GUO-Network**



A worldwide network of urban observatories at different levels, aimed at sharing knowledge and supporting implementation of urban agendas at the national and local levels.

Technical guidance



Provide Technical guidance to LUO, NUO and RUO in urban planning and policy issues Inform



Improve information flows between all levels for better urban decision-making Share



Share best practices and lessons learnt

Facilitate partnerships



Facilitate partnership agreement

Guide policy formulation



Guidance in informed policy formulation

GUO-Network is managed through a steering committee, recommended by the network members and constituted in 2022















# **UN-Habitat's support**



Supporting UOs setup and capacity development

Capacity building activities on UO set up and monitoring needs



Monitoring frameworks

Development of guides and manuals on monitoring needs at the local level based on global standards eg UMF



Institutional assessments and needs assessment consultations

Support UOs to identify institutional partners and personnel and conduct initial needs assessment activities.



#### **Partnerships**

Relationships with wide range of urban stakeholders and other urban observatories to learn from past experiences regarding methods and approaches

Overall coordination of GUO-Net activities



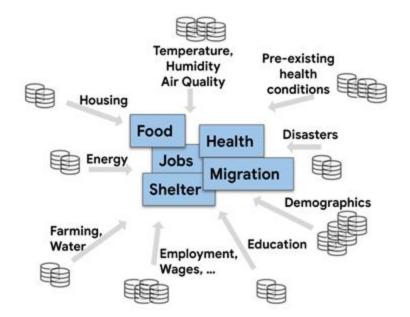
Certification process



# Why the Global Urban Monitoring Framework

- ✓ Many of the big challenges we face climate change, increasing inequities, epidemics of diabetes will need deep, holistic insights (data) to solve for urban areas.
- ✓ Complex challenges don't get solved with a single data source
- ✓ Data fragmentation gets in the way of being used to make a big difference.

Climate change in cities • Example













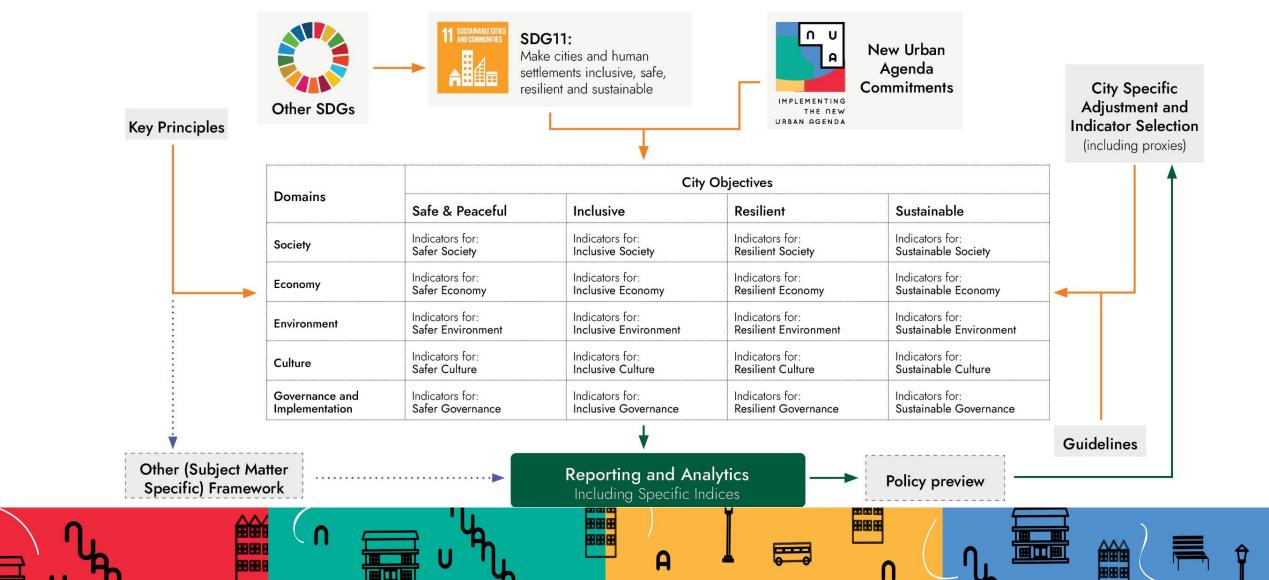




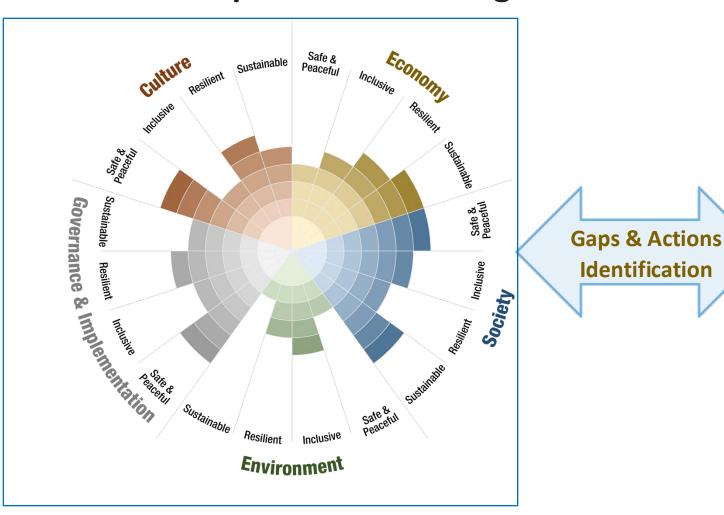


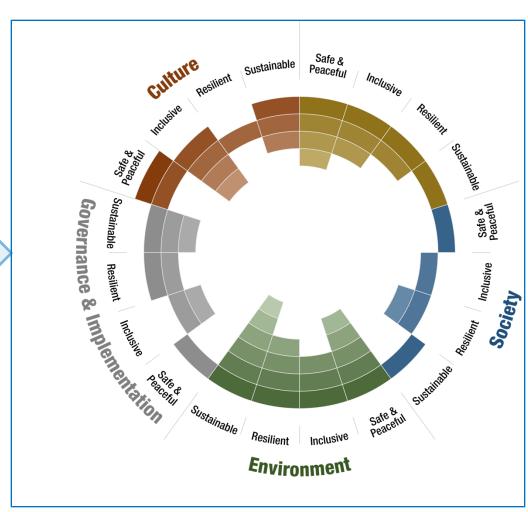


## **The Global Urban Monitoring Framework**

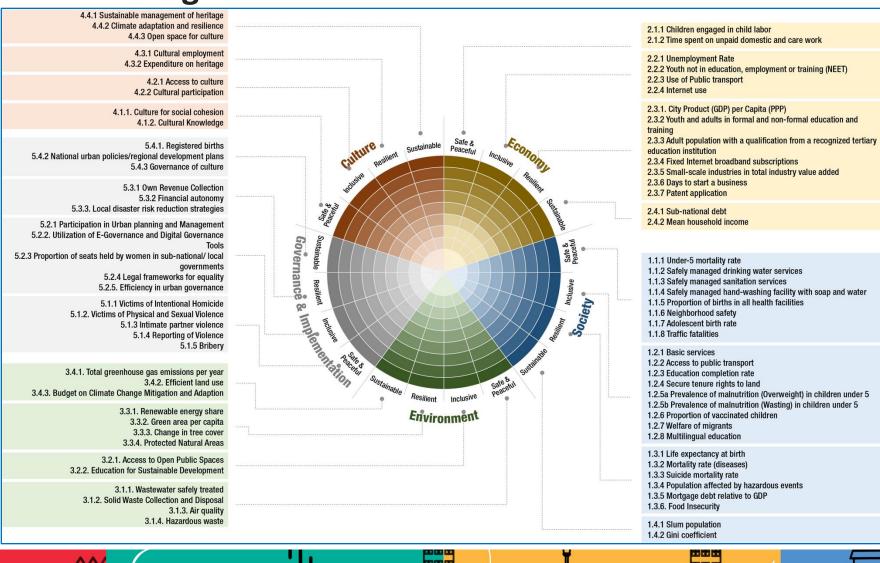


# The UMF helps link monitoring to local actions





# The UMF Wheel Diagram



















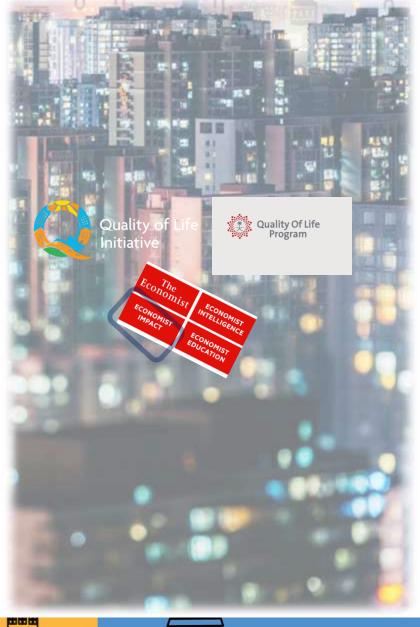


# The UMF Adapted Indices & SDG Alignment

City Objectives	Indicator		Sources/ Origins	Spatial Indicator
1. Society				
1.1 Safe and Peaceful	1.1.1 (UMF-01)	Under-5 mortality rate	SDG 3.2.1	No
	1.1.2 (UMF-02)	Safely managed drinking water services	SDG 6.1.1	No
	1.1.3 (UMF-03)	Safely managed sanitation services	SDG 6.2.1a	No
	1.1.4 (UMF-04)	Safely managed hand-washing facility with soap and water	SDG 6.2.1b	No
	1.1.5 (UMF-05)	Proportion of births in all health facilities	UNICEF 8	No
	1.1.6 (UMF-06)	Neighborhood safety	SDG 16.1.4	No
	1.1.7 (UMF-07)	Adolescent birth rate	SDG 3.7.2	No
	1.1.8 (UMF-08)	Traffic fatalities	SDG 3.6.1	No
1.2 Inclusive	1.2.1 (UMF-09)	Basic services	SDG 1.4.1	Yes
	1.2.2 (UMF-10)	Access to public transport	SDG 11.2.1	Yes
	1.2.3 (UMF-11)	Education completion rate	SDG 4.1.2	No
	1.2.4 (UMF-12)	Secure tenure rights to land	SDG 1.4.2	No
	1.2.5a (UMF-13a)	Prevalence of malnutrition in children under 5 (Overweight)	SDG 2.2.2a	No
	1.2.5b (UMF-13b)	Prevalence of malnutrition in children under 5 (Wasting)	SDG 2.2.2b	No
	1.2.6 (UMF-14)	Proportion of vaccinated children	UNICEF 9	No
	1.2.7 (UMF-15)	Welfare of migrants	SDG 10.7.2	No
	1.2.8 (UMF-16)	Multilingual education	C2030-15	No
1.3 Resilient	1.3.1 (UMF-17)	Life expectancy at birth	СРІ	No
	1.3.2 (UMF-18)	Mortality rate (diseases)	SDG 3.4.1	No
	1.3.3 (UMF-19)	Suicide mortality rate	SDG 3.4.2	No
	1.3.4 (UMF-20)	Population affected by hazardous events	SDG 11.5.1	No
	1.3.5 (UMF-21)	Mortgage debt relative to GDP	NUA 3.7	No
	1.3.6 (UMF-22)	Food Insecurity	SDG 2.1.2	No
1.4 Sustainable	1.4.1 (UMF-23)	Slum population	SDG 11.1.1	No
	1.4.2 (UMF-24)	Gini coefficient	CPI	No



- Quality of Life Initiative
- Economist Impact -Urban Performance Index (UPI)
- Shanghai UMF Adapted Index (SAI)















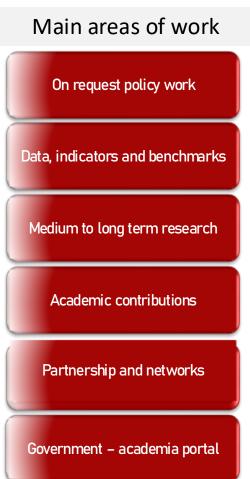


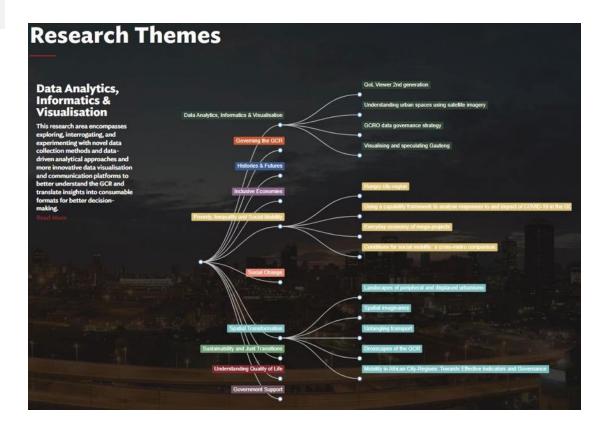




#### **Gauteng City-Region Observatory, South Africa**

- Launched September 2008
- Institutional collaboration between:
  - Gauteng Provincial Government
  - Organised local government in Gauteng
  - University of the Witwatersrand (Wits)
  - University of Johannesburg (UJ)
- Funded with a core grant from the Gauteng Premier's Office, with UJ and Wits contributing additional inkind support











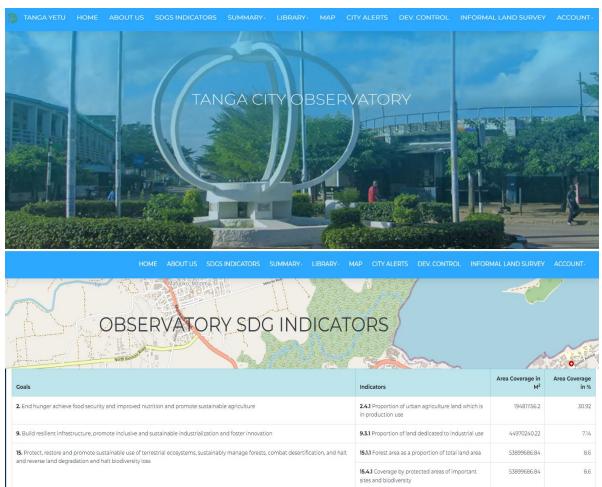








#### Tanga City Observatory, Tanzania



#### https://tanga.cityobservatory.or.tz/

#### **Explore Use Cases**

Check out the state of Tanga Urban on these different use cases for insights



Spatial Safety Index

Data to enable youth and other esidents identify and avoid botoot



Solid Waste Management

Youth and community based data



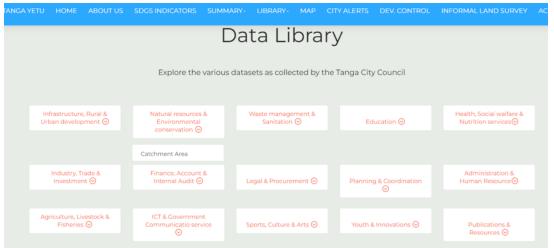
**Development Control** 

Facilitate community based development control enabled by



Public Space Development

Facilitate co-creation of public spaces with youth as prowing who drive the space designs from their peads. The designs of pages are seen as a see









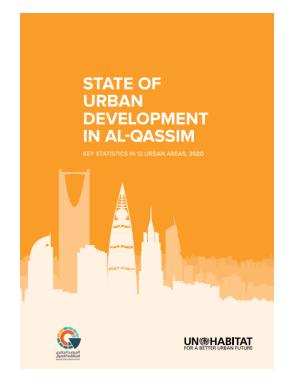




**Qassim Urban Observatories, Saudi Arabia** 









https://portal.marsad-buridah.com/Pages/2/101/Home













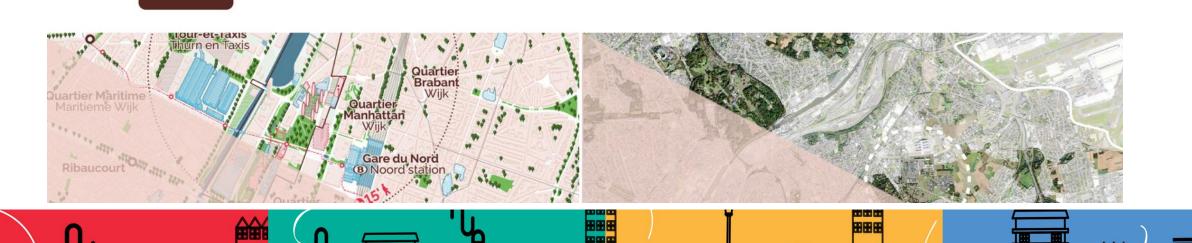
Perspective. Brussels, Belgium



perspective.brussels

Understand, inspire and act for the Region of tomorrow

https://tanga.cityobservatory.or.tz/



#### More information ....



https://data.unhabitat.org/pages/urban -observatories



ABOUT

DATA BY THEME -

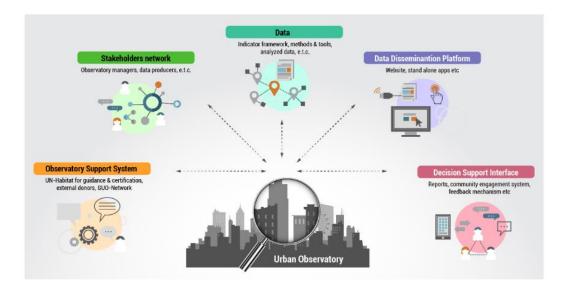
RESOURCES -

SDGs and NUA -

#### **Urban Observatories**

To help find creative solutions to the urban information crisis, UN-Habitat developed the urban observatory model for urban data collection and analysis, in partnership with cities around the world. Urban observatories are well-positioned to address the frequently expressed need for reliable, high resolution urban datasets specific to the cities and immediate city-regions in which they operate. They assist in strengthening data capacities at national, sub-national, and local levels, providing platforms to facilitate effective knowledge exchange and promote evidence-based governance built on a shared knowledge base.

Urban Observatories consist of five major components; a stakeholder network who help operationalize it, data, a data dissemination platform, an observatory support system and a decision support interface.







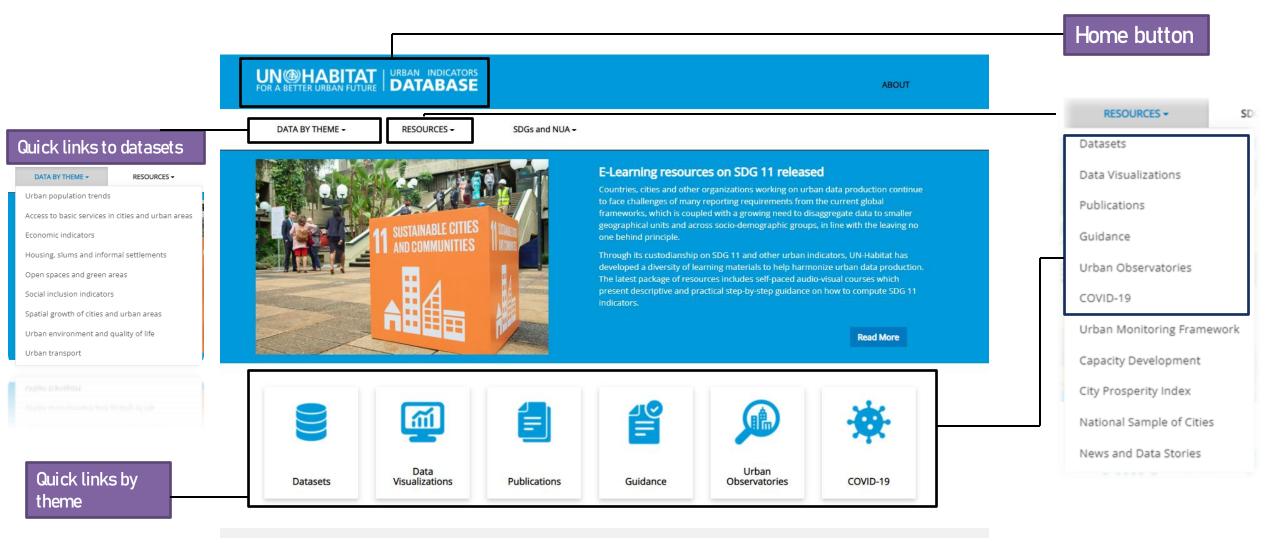








#### **Urban Indicator Database**



# The Urban Indicators Platform: Datasets











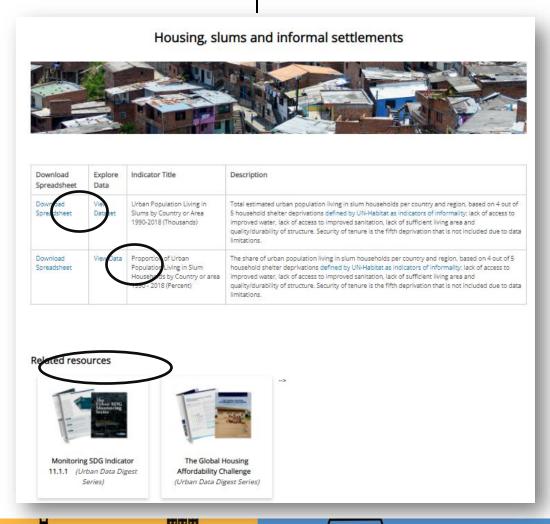


















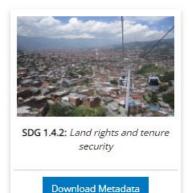




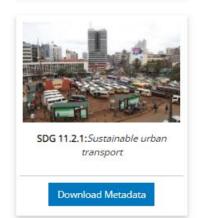
## The Urban Indicators Platform: Guidance

#### SDG 11+ Metadata



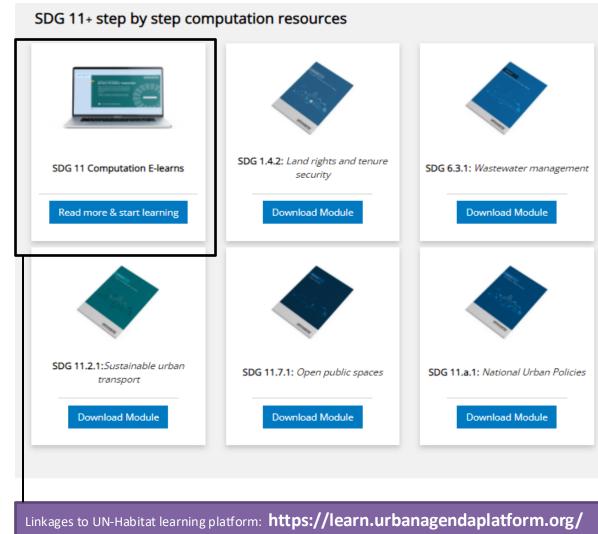














#### The Urban Indicators Platform: SDGs and NUA

#### SDG 11 progress tracking and identification of required actions / interventions

#### SDG 11 targets progress at the global level

#### SDG Target 11.1



With more than one billion people living in slums today, the world is still a long way from attaining sustainable urbanization and access to decent housing and quality of life for all. Informal settlements and slums remain the only home for millions of urban residents in developing countries, with populations lacking access to basic services such as water and sanitation. Equally, many more populations in all world regions suffer from other housing related inequities such as homelessness, unaffordability and inadequacy, all of which further make the attainment of target 11.1 a farfetched goal.

The COVID-19 pandemic has further worsened the situation in many urban centers, and as economies recover, the urban poor, many of whom live in informal settlements continue to experience the severest of impacts and risks. Amidst this pandemic, achieving affordable and adequate housing for all by 2030 requires renewed policy focus and increased investments in the low-cost housing sector. If the concerns of the urban poor and marginalized remain ignored, then the

goal to "make cities and human settlements inclusive, safe, resilient and sustainable" will only be achieved partially, and in the process, deny millions the benefits of urbanization.

#### SDG Target 11.2



Provision and access to public transport significantly improves access to opportunities and services in cities and urban areas, with the poor being the biggest beneficiaries. Based on data from a globally representative sample of 610 cities from 95 countries, only half of the world's population is estimated to have access to a public transit stop/ station within a walking distance of 500 meters (for capacity transport systems e.g. buses, trams etc) and 1000 meters to high capacity systems (e.g. trains, metros, ferries, etc), indicating that we are at the half-mark in attainment of target 11. While all regions need to invest more in public transport, significant action is needed in Eastern and South-eastern Asia, Central and Southern Asia. Sub-Saharan Africa and Western Asia and Northern Africa, where access ranges from 33% to 38%.

Only three sub-regions recorded more than 10% convenient access to high capacity transport systems, with North America and Europe recording the highest access at 31.7%. In addition, many cities, especially those in Western Asia and Northern Africa and the Sub-Saharan Africa sub-regions have a high prevalence of informal transport systems. These

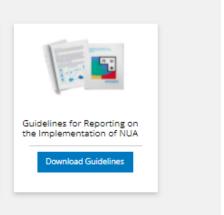
systems depict unique characteristics, some of which include unclear operational and regulatory structures, lack of clearly identifiable pickup and drop off patterns and unclear route patterns, yet they significantly contribute to access to opportunities and services in these regions.

Countries and cities have a major task ahead to put in place systems for enhancing access to safe, affordable, accessible and sustainable public transport systems, which should be integrated with other modes such as walking and cycling. The required interventions range from direct investments in the core infrastructure to formulation and

#### Disseminating NUA monitoring information

#### Guidance documents





#### Related resources















#### The Global Public Space Programme

In the last decade, there has been a growing attention to public space as a key component of sustainable urban development. During the 23rd Session of the Governing Council of UN-Habitat in 2011, member states mandated UN-Habitat to consolidate agency-wide work on public space, to develop and promote public space policy, coordination, disseminate knowledge and directly assist cities in public space initiatives.

In 2012, UN-Habitat established the GlobalPublic Space Programme (GPSP) to improve the quality of public spaces worldwide. The Programme is currently active in 40 countries. It helps cities become more sustainable by providing policy advice, capacity building, knowledge sharing and support for public space regeneration and improvement.



# The Urban Indicators Platform: Towards harmonization of UN-Habitat data dissemination











Read More ..

SDG 11.7.1



City-wide public space strategy



Block-by-Block



Public space upgrading

