SDG Monitoring and Review at Local Level

黄鼎曦 中国广州市 城市规划协会 HUANG DINGXI GUANGZHOU URBAN PLANNING ASSOCIATION, CHINA

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1 VLR of UN SDGs

2030 Agenda and SDGs: monitoring and evaluation

2030 Agenda and 17 SDGs Adopted in 2015

- **Member states' submission of Voluntary National Reviews to UN HLPF as basic institutional arrangement to monitor and evaluate the progress**

- **Local urban stakeholders also play influential roles**

Voluntary Local Reviews of SDGs

Voluntary Local Reviews (VLR)

- **Topic of Global conversation in HLPF since 2018**

- **Medium for locally-sourced information and mutual knowledge exchange at the local level**

- **Growing number cities launching VLR**

Report Name	Year	Language	Link	Place of Implementation	Government	Level	Country
The 2030 Agenda on the Local Level: A Voluntary Review from Gladsaxe, Denmark	2021	English	link	Gladsaxe	City of Gladsaxe	City	Denmark
The implementation of the 2030 Agenda for Sustainable Development in the City of Shah Alam	2021	English	link	Malaysia	City of Shah Alam	City	Malaysia
Barcelona: Sustainable Future	2020	English, Catalan and Spanish	link (English), link (Catalan), link (Spanish)	Barcelona	City of Barcelona	City	Spain
4th Monitoring Report I Agenda Euskadi Basque Country 2030	2020	English	link	Basque	Basque Country Government	Regional	Spain
Agenda 2030 on the local level: implementation of the un sustainable development goals in bonn	2020	English	link	Bonn	City of Bonn	City	Germany
Voluntary Local Review - Buenos Aires Adaptation of the 2030 Agenda (2020)	2020	English	link	Buenos Aires	Buenos Aires City	City	Argentina
Espoo Voluntary Local Review	2020	English	link	Espoo	City of Espoo	City	Finland
Ghent Sustainability Report 2020 - Voluntary Local Review	2020	English	link	Ghent	City of Ghent	City	Belgium
Vibrancy, Inclusion, and Openness; a Mega-City's Road Towards Green Development - UN SDGs Guangzhou Voluntary Local Review	2020	English	link	Guangzhou	City of Guangzhou	City	China
Montevideo Sustainable Development Goals - First Voluntary Review 2020	2020	English	link	Montevideo	Montevideo City Government	City	Uruguay
Voluntary Local Review on the Sustainable Development Goals in the State of Pará - Brazil	2020	English	link	Pará	Government of the State of Pará	State	Brazil
Pittsburgh and the Sustainable Development Goals - A Voluntary Local Review of Progress	2020	English	link	Pittsburgh	City of Pittsburgh	City	United States
Report of Localization of Sustainable Development Goals in São Paulo	2020	English, Spanish, Portuguese	link (English), link (Spanish), link (Portuguese)	São Paulo	São Paulo City Hall	City	Brazil
Lebenswertes Stuttgart Die globale Agenda 2030 auf lokaler Ebene	2020	German	link	Stuttgart	City of Stuttgart	City	Germany
The Implementation of the 2030 Agenda for Sustainable Development in the City of Turku	2020	English	link	Turku	City of Turku	City	Finland
Où en est la Wallonie par rapport aux Objectifs de Développement Durable?	2020	French	link	Wallonia	Government of Wallonia	Regional	Belgium
Voluntary Subnational Report	2020	English, Spanish	link (English),	Yucatan	Government of the State	State	Mexico

Voluntary Local Reviews of SDGs

- **UCLG and UN Habitat: launching a VLR Series which aims to provide guidance, definitions and technical support to any local and regional government aiming to engage in the VLR process.**

- **Handbooks for VLRs also launched by European Union and Brookings Institute**
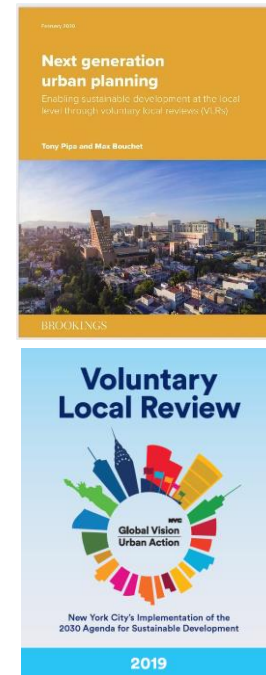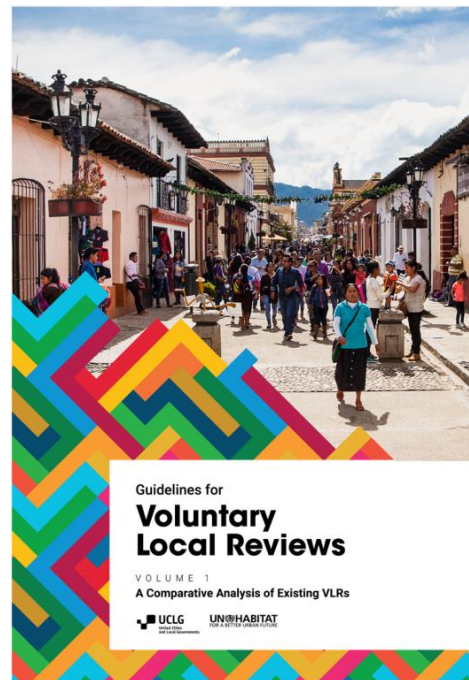
2 First VLR of Guangzhou in 2020

Guangzhou-the 3ʳᵈ largest city in China

Guangzhou—Oasis on the Tropic of Cancer

Guangzhou—A famous cultural city with a profound historical legacy

Guangzhou—A persistently flourishing Millennial Business Capital

Guangzhou—A vibrant city with a global perspective

Vibrancy, Inclusion, and Openness; a Mega-City's Road Towards Green Development

UN SDGs
Guangzhou Voluntary
Local Review

Leave no one behind: Multiple forms of public participation on site

City of Flowers - Beautiful and Livable A vibrant international metropolis

Inclusive and sharing, home to happiness

- 1 No poverty
- 3 Good health and well-being
- 4 Quality education
- 10 Reduce inequality
- 11 Sustainable cities and communities
- 17 Partnerships for the goals
- 5 Gender equality

Charming Lingnan, a city of culture

- 11 Sustainable cities and communities

Beautiful land, spatial pattern

- 11 Sustainable cities and communities
- 14 Underwater creatures
- 15 Terrestrial creatures

Prosperous and open international metropolis

- 8 Decent work and economic growth
- 9 Industry, innovation, and infrastructure
- 17 Partnerships for the goals

Pastoral Lingnan, rural revitalization

- 2 No hunger
- 6 Clean water and sanitation

Baiyun Mountain and Pearl River, auspicious City of Flowers

- 6 Clean water and sanitation
- 7 Clean and affordable energy
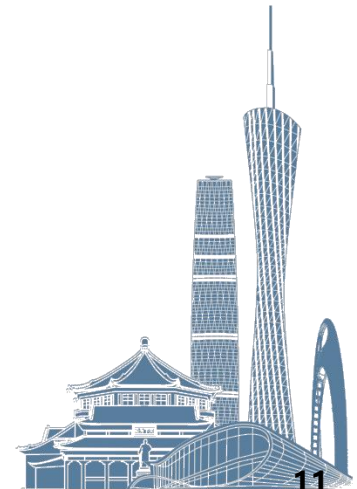- 12 Responsible consumption and production
- 13 Climate action
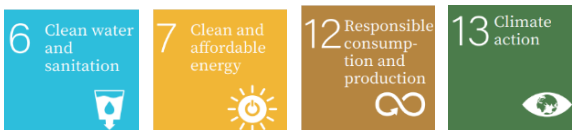
4 | Priority Review Targets and Progress

- **SDG4** Quality education: To ensure inclusive and equitable, quality education and promote lifelong learning opportunities for all

- **SDG6** Clean drinking water and sanitation facilities: To ensure the availability and sustainable management of water and sanitation for all

- **SDG9** Industrial innovation and infrastructure: To erect disaster-resilient infrastructures, facilitate inclusive and sustainable industrialization, and promote innovation

- **SDG11** Sustainable cities and communities: To construct inclusive, safe, disaster-resilient, and sustainable cities and human settlements

- **SDG15** Life on land: To protect, restore, and promote the support use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and impede biodiversity loss.

SDG11

Sustainable Cities and Communities:

To build inclusive, safe, disaster-resilient, and sustainable cities and human settlements

Average PM$_{2.5}$ concentration constantly on the decrease

2013	2014	2015	2016	2017	2018	2019
53	49	39	36	35	35	30

82.5 years old
Average resident life expectancy

94.9%
Coverage rate of 500-meter bus stops in central districts

522.5 kilometers
Mileage of metros and trams

61.2%
Proportion of travel on public transportation (rail and bus) in relation to motorized travel

15.19 million passengers
Daily average throughput of public transportation (rail and bus)

18.9K passengers/day/kilometer
Metro passenger density

2017	2018	2019
10.7 / 5.8	11.7 / 12.5	13.6 / 17.3

- Number of households that received a housing subsidy (1,000 households)
- Shanty town renovation projects started throughout the year (1,000 units)

6.54 beds
Hospital beds per 1,000 people

5,093
Medical care facilities

100%
Coverage of community aged care facilities

Specific measures

(1) Enhance the ecological resilience of Guangzhou, improve its quality, and highlight the personality of the city

- Preserve the urban green ecological spaces

The poem *All Six Major Rivers Flow into the Ocean, Green Mountains find their Ways into the City* perfectly captures the environment of Guangzhou as an eco-friendly city with beautiful mountains and waters. Through the creation of urban scenery near the mountains, along the rivers and coastlines, Guangzhou manages to highlight its special features as a Lingnan city. It also preserves the ecological foundation consisting of the *Baiyun Mountain and Pearl River* while creating a charming urban identity of the gorgeous Pearl River. It has taken full advantage the functions of forest, natural reserves, green road networks, wet lands, and coastal shelter belts. The Guangzhou Land Space General Plan (2018 - 2035) puts forth that, based on the evaluation of land space development suitability and environmental carrying capacity, approximately two thirds of urban spaces will remain ecological and agricultural spaces for preservation. Steps have been taken to highlight the natural beauty of mountains and forests in the north part of Guangzhou, showcase the charm of the modern metropolitan area in the central part of the city, and use the three 10-kilometer boutique Pearl River scenery belts as the leading examples. This new coastal town is the feature of the southern part; a coastal new town has been created which faces the South China Sea and combines views of the city and port.

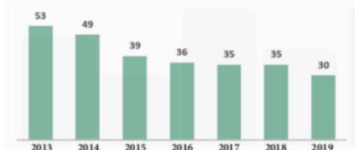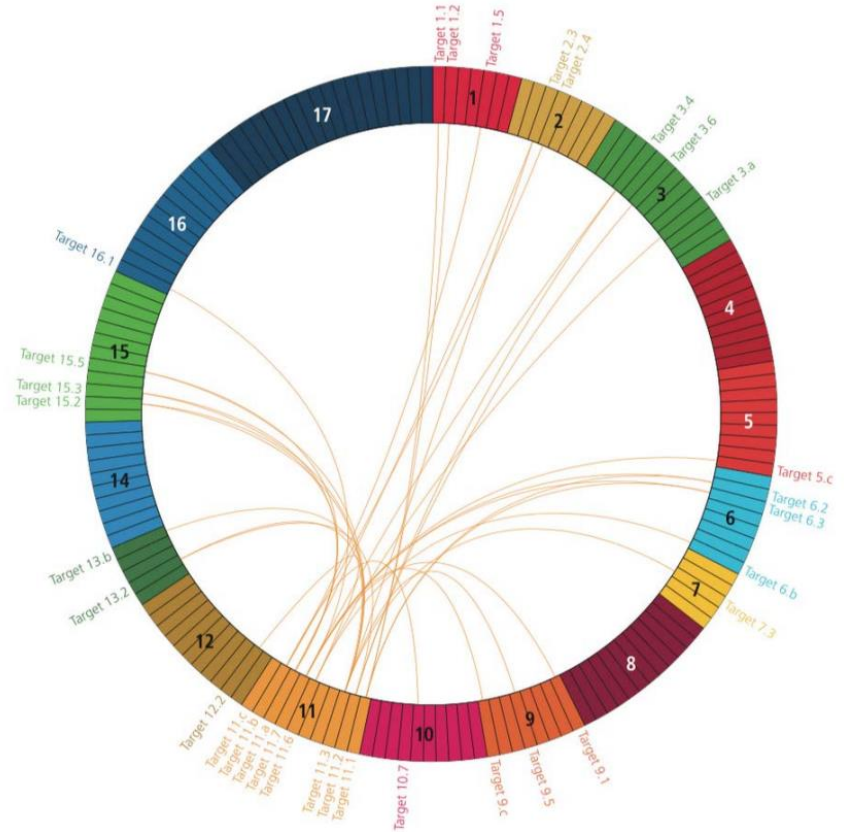*View of the Gorgeous Pearl River urban embankment*

Case: child-friendly community space - Xiaohe's Home

Organize urban volunteer teaching teams through public engagements and train these volunteers to be community teachers. They will go on to provide educational services to children of migrant workers and their families living in urban villages during their weekends or spare time. They offer ukulele lessons, storytelling sessions, and early childhood educational games.

Thanks to the efforts of community mothers, community resources have been utilized in a flexible manner to offer a stable, open, safe, child-friendly community space; Xiaohe's Home is just such a space that has been created in the urban villages of Guangzhou and Foshan. Xiaohe's Home is a child-friendly space open to all. It is also a space where volunteer community teachers carry out education activities. Moreover, it offers a community space for children in urban villages where they can safely have fun, learn, read, and socialize. A total of more than 120 community mothers are working at Xiaohe's Home to provide support to over 3,000 children of migrant workers.
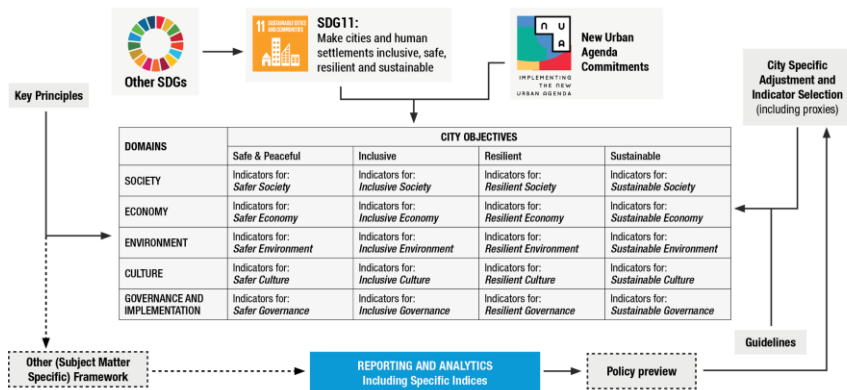
3   **Future steps of VLR**

- **Achieving sustainability for urban /rural community is important for SDG11 , also other SDGs**
- **VLR shall not only exchange best experience but also indentify aspects in need of joint efforts**

Source: UN Habitat

- **Monitoring framework and indexes are ralatively less difficult to invent, while feeding data is always not easy**

Source: UN Habitat

NAME	GEOGRAPHICAL LEVEL	COVERAGE	PERIODICITY	SOURCES	NUMBER OF INDICATORS	REFERENCES
Global Indicator Framework for the SDGs (UN)	Country	193 UN Member States (with data gap)	Yearly publication of aggregated results	NSOs	232 indicators for 17 Goals	(United Nations 2019b)
EU SDG INDICATOR SET 2019	Country	EU28 + Norway, Switzerland, Iceland, Serbia and Turkey	Reviewed every year	NSOs	100 indicators for 17 goals	(EUROSTAT 2019a)
CITY PROSPERITY INITIATIVE (CPI)	City	400 cities across the world		Administrative data		UN-HABITAT
OECD	Metropolitan areas or Functional Urban Areas of more than 250K people	600+ FUAs of 33 OECD countries and Colombia		OECD Regional and Large Metropolitan Areas databases	100+ indicators	upcoming
SDSN SDG INDEX (composite index)	Country	193 UN Member States (with data gap)	Yearly	NSOs	75 indicators for 17 goals	(Sachs et al. 2019)
	SDG Index for European Cities	45 European Cities capital cities and large metropolitan areas	2019 (prototype)	Eurostat, ERA, JRC , Euroba-romete, OECD, European Social Survey	56 indicators for 15 Goals [Nuts 2 and Nuts 3 data are most often used]	(Lafortune and Zoeteman 2019)
	Italy - City level	101 cities (among the "Capoluogo di provincia")	2018	Eurostat and local statistics	39 indicators for 16 Goals	(Cavalli and Farnia 2018)
	Spain - City level	100 Spanish Cities	2018	Several sources	85 indicators for 17 goals [Nuts 2 and Nuts 3 data are most often used]	(Sánchez de Madariaga, García López, and Sisto 2018)
	USA -Metropolitan Statistical Area (MSA)	105 US cities	2018	Several sources	57 indicators for 15 Goals	(Alainna Lynch 2019)

Source: EU Commission

15

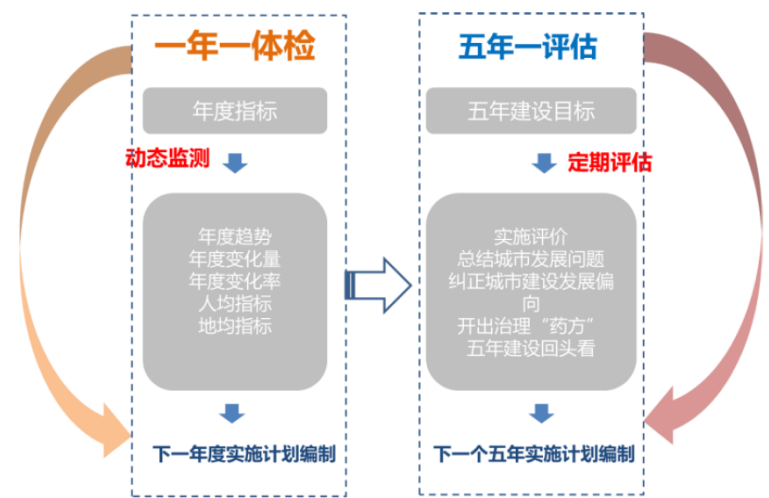- **Urban /Rural development evaluation lead by MHURD, China Explores for Integration of three categrories of data:**
  - **Statistics and Muli-source data from city government**
  - **3rd Party Data Supplier (ICT firms/ remote sensing/ laser point cloud)**
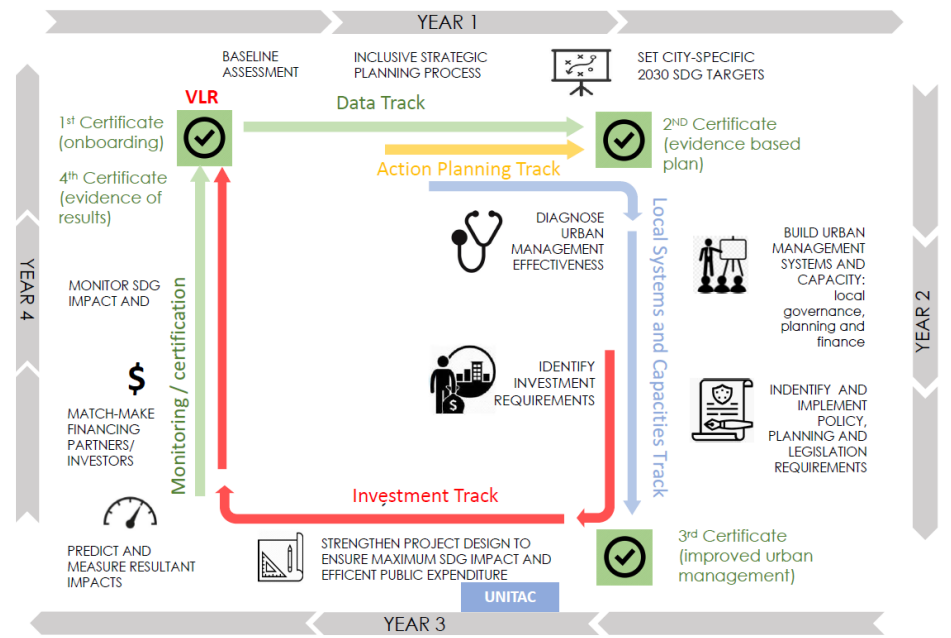 - **Public voluntary datta : (Satisfatory suvery/ photo & upload)**

Source: RRLAB @SYSU

Source: Urban development eveluation team, MHURD China

Source: UN Habitat

Thank You

huangdingxi@upagz.cn