## Localizing Climate Actions and Sustainable Development Goals

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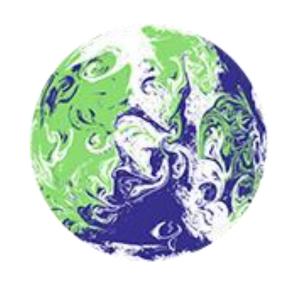
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COP26 side event
International Forum on City-Wide
Climate Crisis Response and Technology Sharing
05 November 2021



## **Localizing Climate Actions**

- -> Zero Carbon Cities
- = Race to Zero (RtZ) Campaign
  @COP26





IN PARTNERSHIP WITH ITALY

## **Localizing SDGs**

- -> Voluntary Local Reviews (VLRs)
- @HLPF (High Level Political Forum)



# HIGH-LEVEL POLITICAL FORUM ON SUSTAINABLE DEVELOPMENT

# Zero Carbon Cities and UNFCCC Race to Zero (RtZ) Campaign

- ◆UNFCCC launches "Race to Zero Campaign" for all non-stakeholders including business, city, investor, university on June 2020.
- Already 733 cities join this race (91 from Japan).
- ◆KL city hall has already declared zero carbon city by 2050 with scientific evidence (scenarios) supported by UTM/IGES/others.

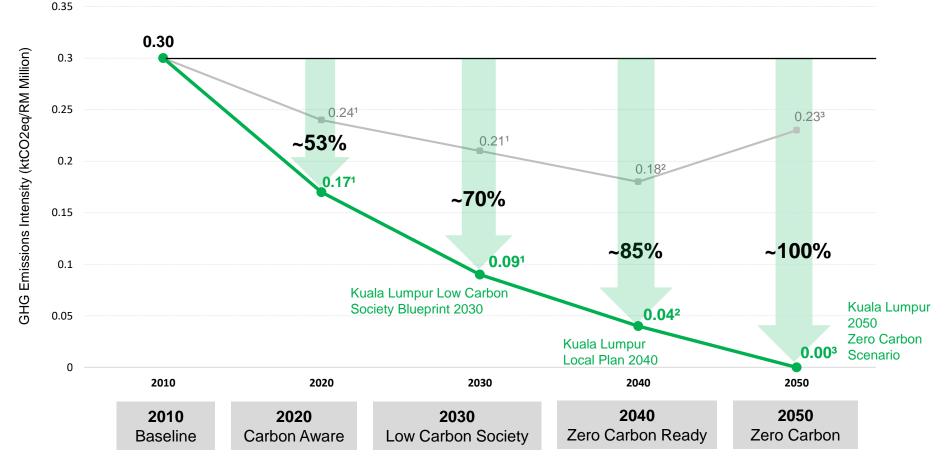
RACE TO ZERO

It mobilizes a coalition of leading net zero initiatives, representing **733 cities**, **31 regions**, **3,067 businesses**, **173 of the biggest investors**, **and 622 Higher Education Institutions**. These 'real economy' actors join 120 countries in the <u>largest ever alliance</u> committed to achieving net zero carbon emissions by 2050 at the latest. Collectively these actors now cover nearly 25% global CO<sub>2</sub> emissions and over 50% GDP.

https://unfccc.int/climate-action/race-to-zero-campaign

## KL scenarios towards Zero Carbon by 2050

Key countermeasures of commercial sector: Energy Efficient Device (Cooling, Heating) and PV (Solar Renewable Energy)

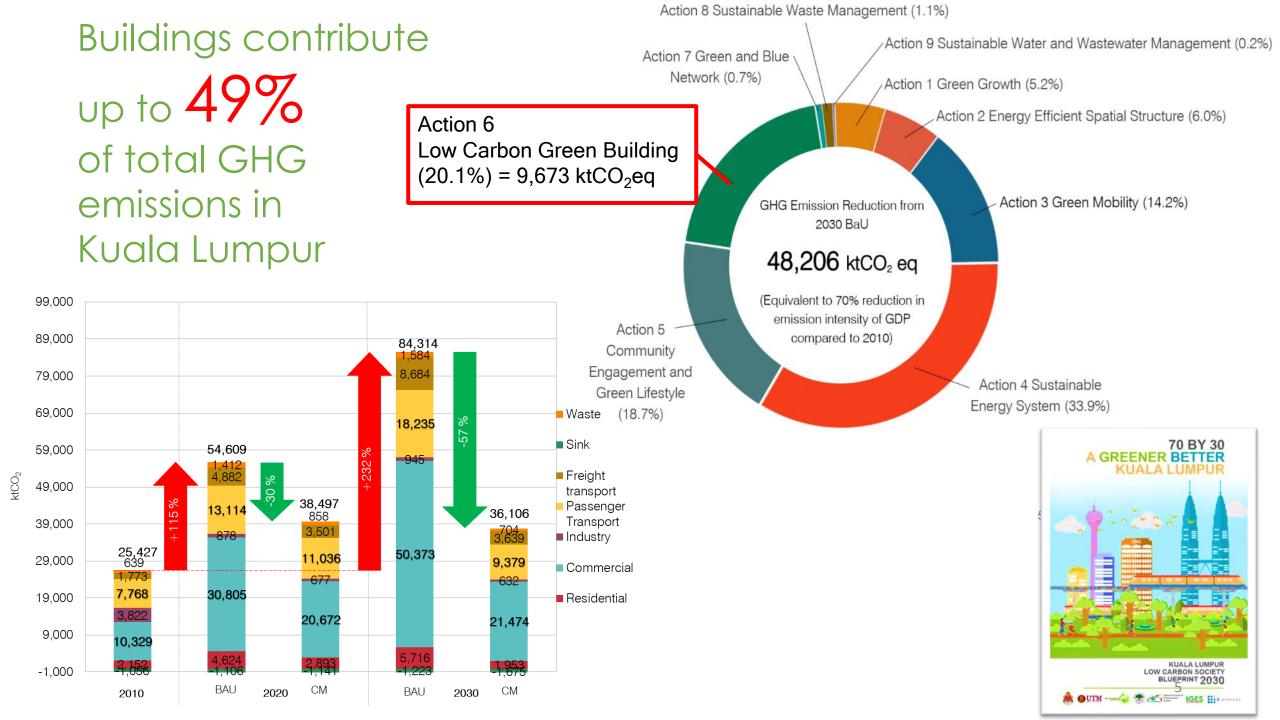


#### Source:

<sup>&</sup>lt;sup>1</sup>Kuala Lumpur Low Carbon Society Blueprint 2030 (2016) – inclusive of non-energy related GHG emissions (waste and carbon sink)

<sup>&</sup>lt;sup>2</sup>Draft Kuala Lumpur Local Plan 2040 (2020) – inclusive of non-energy related GHG emissions (waste and carbon sink)

<sup>&</sup>lt;sup>3</sup>Kuala Lumpur 2050 Zero Carbon Scenario (2021) – mainly energy related GHG emissions



FY2019

IGES,

UTM,

SEDA

## Tokyo to Kuala Lumpur Low Carbon System = T2KLLCS with

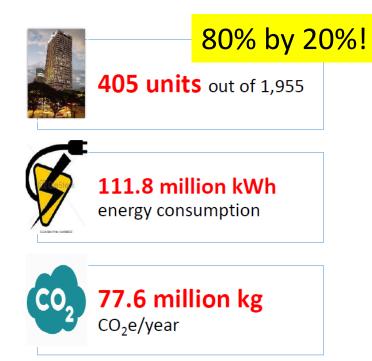


TMG's know-how on energy efficiency and renewable energy in around 4000 public buildings is transferred to KL for around 2000 public buildings. KL has decided to prepare her own budget to retrofit several main public buildings in FY2021 based on data analysis.

## Interim output from T2KLLCS project Government building profiling is made

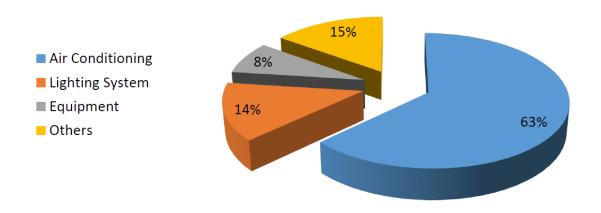
FY2019

T2KLLCS: Analysis shows that 405 units of buildings consumed 77% of total electricity bill



T2KLLCS: 63% OF POWER CONSUMPTION BY KLCH BUILDINGS IS FROM

#### AIR CONDITIONING SYSTEM



### FY2020

## FY2020: Secure budget for EE retrofitting









Buildings	Retrofitting instruments	Budget	Year
Menara1 Tower	AHU	4,000,000 RM	2021
Menara1 Auditorium	Heat source, cooling tower, pumps, AHU	3,500,000 RM	2021
Menara3	Heat source, cooling tower, pumps, AHU	10,000,000 RM	2022
IDB training center	VRF	2,500,000 RM	2021

## Zero Carbon City International Forum (March 2021)

**Governor of TMG Madame Koike** 

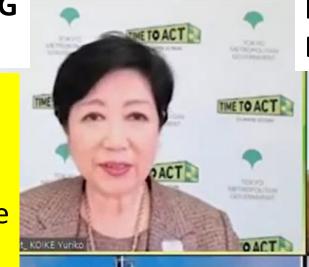
Reduce TMG's
carbon and
support KL's
buildings Climate
change actions

**Leader of** 

**Glasgow City** 

Council

Glasgow City Council\_ Susan Aitken



Mayor of KL
Datuk Seri Mahadi
Declare

Zero Carbon City International Forum

FY2021

Declare Carbon Neutral KL by 2050 with technical support of TMG



TMG-KL collaboration is the first decarbonization domino from Japanese cities to oversea cities.

I would like to spread out this best practice.









## FY2021: Complete the ASEAN first comprehensive public building energy efficiency system FY2021

Tentative overall goal of T2KLLCS in FY2021

Develop a scheme (methodology and team/organization) to conduct EE and RE in public buildings under the planned roadmap to achieve 70% by 2030 and zero carbon by 2050

e.g. Develop "Low Carbon Public **Building Procurement Plan towards** 2030 and beyond" (the first plan in (at least) ASEAN at municipal level)

Apply this methodology to the model district **Zero Carbon** "Wangsa Maju"

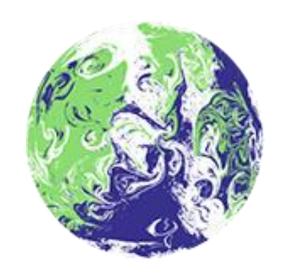


## City related COP26 side events by IGES

- 1) Japan Pavilion side event organized by MOEJ/ICLEI/IGES "Leading efforts towards achievement of Zero Carbon City" on 2 Nov 2021 (13:00-14:30)
- 2) Japan Pavilion side event organized by MOEJ/IGES/OECD/ICLEI "Roles of multi-stakeholders towards subnational decarbonization" on 10 Nov 2021 (10:00-11:30)
- 3) UNFCCC official side event organized by IGES and UTM "Call for an integrative approach: Climate, biodiversity, disaster risk reduction and SDGs" on 10 Nov 2021 (11:30-12:45)
- 4) Japan Pavilion side event organized by MOEJ/IGES/NIES "Partnerships between Japan and the rest of Asia for a new age Using the Asia-Pacific Integrated Model (AIM) to pave the way for carbon neutrality in the region" on 11 Nov 2021 (15:00-16:30)

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# HIGH-LEVEL POLITICAL FORUM ON SUSTAINABLE DEVELOPMENT



## **HIGH-LEVEL POLITICAL FORUM** ON SUSTAINABLE DEVELOPMENT

The HLPF (High-Level Political Forum) is the main United Nations platform on sustainable development and it has a central role in the follow-up and review of the 2030 Agenda for Sustainable Development and the Sustainable Development Goals (SDGs) at the global level. General Assembly resolutions 70/299 and 75/290 B provide further guidance on the follow-up and review of the 2030 Agenda and the SDGs.





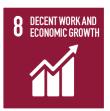






























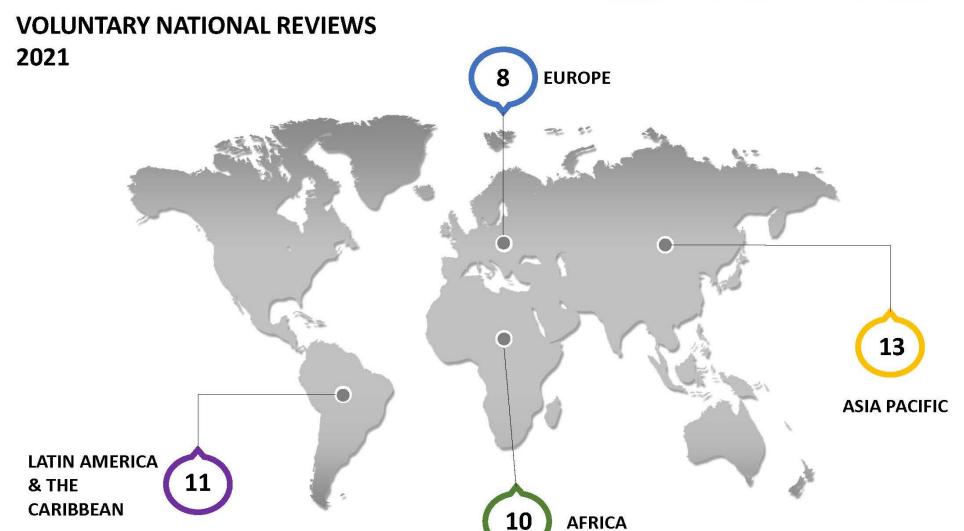




#### **HLPF 2021 IN NUMBERS**

(6-15 July 2021, hybrid meeting)





Afghanistan, Bhutan\*, China\*, Democratic People's Republic of Korea, Indonesia\*\*, Iraq\*, Japan\*, Lao People's **Democratic** Republic\*, Malaysia\*, Marshall Islands, Myanmar, Thailand\*,

#### FY2021



#### https://sustainabledevelopment.un.org/hlpf/2021





SDGS

STATES SIDS UN SYSTEM

STAKEHOLDERS

TOPICS

**PARTNERSHIPS** 

#### **HLPF2021**

#### HIGH-LEVEL POLITICAL FORUM 2021 UNDER THE AUSPICES OF ECOSOC

#### 【事例】日本の地方自治体による VLR の実施

2018年に富山県富山市、北海道下川町及び福岡県北九州市が、2019年に静岡県浜松市 し、HLPFのような国際的な場で発表することは、地方自治体の国際的な相互の学び合い や連携にもつながるところ、地方自治体による更なる VLR の実施が期待される。





OSS IGES





stainable development (HLPF) is the core United Nations platform for follow-up Sustainable Development and its 17 Sustainable Development Goals.

Il be held from Tuesday, 6 July, to Thursday, 15 July 2021, under the auspices of nis includes the three-day ministerial meeting of the forum from Tuesday, 13

re a sustainable and resilient recovery from COVID-19 that puts us on track to e will be "Sustainable and resilient recovery from the COVID-19 pandemic that environmental dimensions of sustainable development: building an inclusive nent of the 2030 Agenda in the context of the decade of action and delivery for

inable Development Goals 1 on no poverty, 2 on zero hunger, 3 on good health nd economic growth, 10 on reduced inequalities, 12 on responsible n climate action, 16 on peace, justice and strong institutions, and 17 on vill also consider the integrated, indivisible and interlinked nature of the

ll be able to explore various aspects of the response to the COVID-19 pandemic

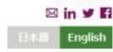
Japan submitted her 2<sup>nd</sup> Voluntary National Reviews (VNRs) at HLPF2021, including 4 Voluntary Local Reviews (VLRs)

6 - 15 JULY 2021 **2021 VNRS** 

WATCH THE 2021 HLPF ON UN **WEBTV**, FACEBOOK [@UNWEBTV], AND YOUTUBE: [@UNWEBTV] WHEN ENCOUNTERING **TECHNICAL DIFFICULTIES WITH UN WEB TV, PLEASE WATCH** THE EVENT LIVE ON TWITTER



IGES SDGs project, "Aspiration to Action," will examine and suggest essential "means of implementation (MOI)" so that global SDGs can be put into action through active engagement with various stakeholders and partners.



Home

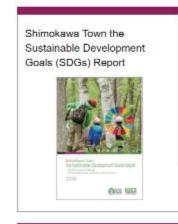
Background

Publications

Activities What are SDGs

Commentaries

xIGES Website



Toyama City the Sustainable Development Goals Report -Compact City Planning based on Polycentric Transport Networks -







https://archive.iges.or.jp/en/sdgs/report.html

#### Sustainable Development Goals Reports on Cities

 Launch of the World-First Voluntary Local Reviews (VLRs) on Shimokawa, Toyama, and Kitakyushu

16 July—IGES is pleased to announce the launch of several Sustainable Development Goals (SDGs) / Voluntary Local Review (VLR) Reports today on the sidelines of the 2018 UN High Level Political Forum held in New York. The VLR reports document the efforts of three local authorities in Japan working to advance the SDGs—namely, Shimokawa Town (Hokkaido), Toyama City (Toyama Prefecture), and Kitakyushu City (Fukuoka Prefecture), which led to their selection as "SDGs Future Cities" by the Japanese government in June 2018.

The reports, jointly written with IGES, comprise some of the first SDG reporting carried out by local governments anywhere in the world. All reports are structured around the "Handbook for the Preparation of Voluntary National Reviews: 2018 Edition", taking into account specific characteristics and the level of progress on SDG initiatives in each respective city. While all cities recognise the importance of engaging in the SDG agenda, many are still working to find ways to adapt the Goals into their local context with regard to implementation and monitoring. These reports seek to contribute to the sharing of good practices on the SDGs between local authorities, illustrating how three Japanese cities are driving action on the SDGs both in terms of policy and planning.

## July 13, 2021 Side Event: UN-HABITAT/UCLG VLR-VSR Days event VSR: Voluntary Sub-national Review



Master of Cerei	nony: Shipra Narang Suri, Chief Urban Practices Branch, UN-Ha	bitat
Time CEST	Session	HIPPRODUCTION AND Describe menotational Establishments 200
4.00 – 4.15pm	<ul> <li>Opening Session</li> <li>Maimunah Mohd Sharif, UN-Habitat Executive Director</li> <li>Emilia Saiz, UCLG Secretary General</li> </ul>	BITAT OF THE PARTY
4.15 – 4.45pm	Launch of the Vol.2 of the Guidelines for VLRs	A STATE OF THE STA



- Martino Miraglia, Human Settlements Officer, SDG Localization and Local Governments, UN-Habitat & Ainara Fernández, Research Officer, UCLG
- Finland VLR-VNR live laboratory
  - Sami Pirkkala, Secretary General of Finnish National Commission on Sustainable Development
  - Mia Malin, Project Manager SDG at City of Helsinki

http://uclg-unhlocalreporting.org/

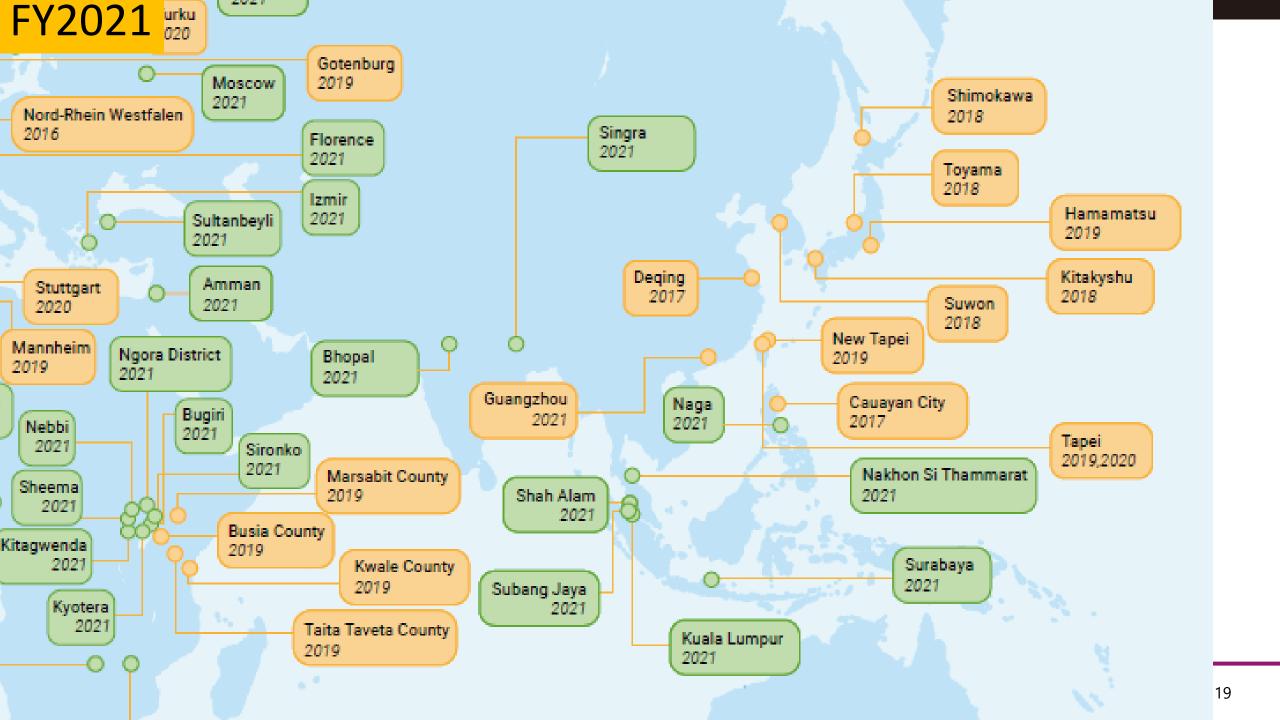


## FY2021 2 The state of the art: how are VLRs doing?

Almost five years into the SDG era, at least 69 local reviews from 61 different local governments have been published<sup>4</sup>. Figure 1 provides an overview of the locations of these contributions (including all the VLRs published before 28 February, 2021) in a map. Annex 1, additionally,

updates the list of VLRs that was already featured in volume one, so that basic information about the currently published documents is available at a glance





### FY2021

#### **Panel Discussion**

Moderator: Edgardo Bilsky, Coordinator of UCLG Research Unit

#### Speakers:

- Alfredo González Reyes, Head of the 2030 Agenda, Mexican National Government, Mexico
- Hüseyin Keskin, Mayor of Sultanbeyli, Turkey
- Stefan Wagner, Head of Department of International Affairs, Bonn, Germany
- Jonan Fernández Erdozia, General Secretary for Social Transition and 2030
   Agenda, Basque Country, Spain
- Ken Oluoch, Senior Programme Officer, Sustainable Development Goals Unit Council of Governors, Kenya
- Junichi Fuiino, Programme Director, Integrated Sustainability Center, IGES, Japan



# State of the Voluntary Local Reviews 2021: FROM REPORTING TO ACTION

https://www.iges.or.jp/jp/pub/vlrs-2021/en

22 September 2021

SHARE THIS









## How Can Voluntary Local Reviews (VLRs) Amplify Local Sustainability?

#### STORY HIGHLIGHTS

- If the VLR movement wants to speed up the transition to sustainable development pathways, it is worth asking: how can VLRs amplify local sustainability?
- VLRs provide a bird's eye view on the working of local governments, helping to find synergies between existing strategies, identify policy gaps, and create partnerships with multiple stakeholders.
- VLRs hold the power to amplify local sustainability by encouraging cross-sectoral collaboration within local administrations.

https://sdg.iisd.org/commentary/guest-articles/how-can-voluntary-local-reviews-vlrs-amplify-local-sustainability/

By Fernando Ortiz-Moya, Yatsuka Kataoka, and Junichi Fujino, Institute for Global

**SDGS** 

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# HIGH-LEVEL POLITICAL FORUM ON SUSTAINABLE DEVELOPMENT

## Localizing Climate Actions and SDGs in Asia

Paris Agreement (Dec. 2015)

2 degree target/1.5 degree

**Nationally Determined Contributions (NDCs)** 



Locally Determined Contributions (LDCs)

2030 Agenda (Sep. 2015)

17 goals, 169 targets

Voluntary National Reviews (VNRs)



Voluntary Local Reviews (VLRs)

Cities are places that are vulnerable to climate change and can accelerate energy transition for global sustainability!