



# Zero Carbon Transport by Mid Century – Rhetoric or Reality?

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**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

On behalf of:



Federal Ministry  
for the Environment, Nature Conservation  
and Nuclear Safety

of the Federal Republic of Germany

# NDC Transport Initiative for Asia

## “ Objective

**Facilitate a paradigm shift to zero-emission transport across Asia.**

- Towards high ambition in Nationally Determined Contributions
- Project financed by Germany's International Climate Initiative
- Collaboration of 7 organisations

### Partners:



On behalf of:



of the Federal Republic of Germany



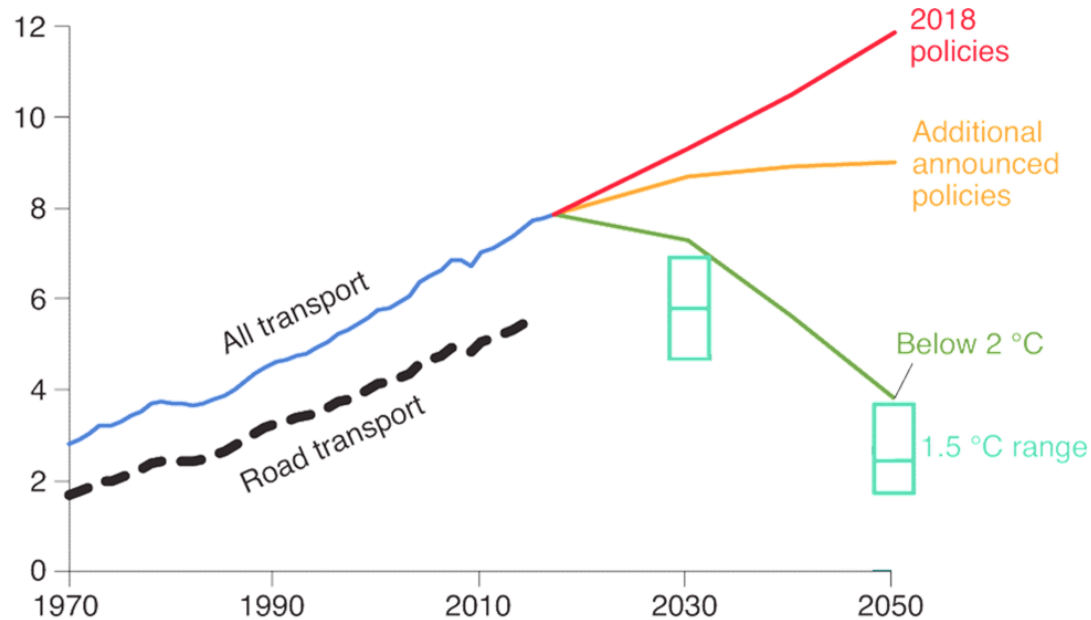
<https://www.ndctransportinitiativeforasia.org/>

# Project components



# Transforming transport is fundamental

Global transport emissions 2019 (IEA, 2020): over **8 Gt CO<sub>2</sub>**



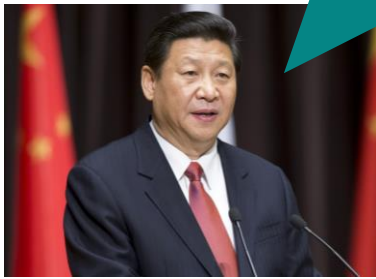
**75%**  
below  
current  
levels!

Source: Axsen et al (2020); <https://www.nature.com/articles/s41558-020-0877-y> based on data by [IEA](#), [IPCC](#), [EDGAR](#).

# Asian countries are stepping up ambition (examples)

"We aim to have CO<sub>2</sub> emissions peak before 2030 and achieve carbon neutrality before 2060."

2020, Xi Jinping  
President of the People's Republic of China



"We will aim to realise a decarbonised society [by 2050]."

2020, Yoshihide Suga  
Prime Minister of Japan



"[...] by the year 2070, India will achieve the target of Net Zero."  
2021, COP26, Shri Narendra Modi  
Prime Minister of India



"Climate change response [...] must become the highest priority in all development decisions. [...] achieve net-zero emissions by 2050."

2021, COP 26, Pham Minh Chinh  
Prime Minister of Vietnam



"Together with the international community, we will actively respond to climate change and target carbon neutrality by 2050."

2020, Moon Jae-in  
President of South Korea

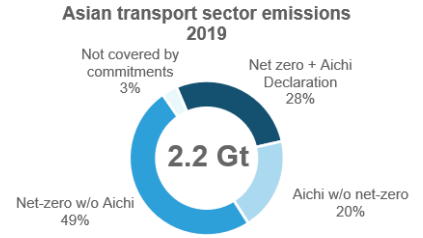
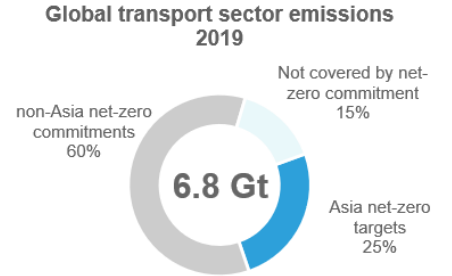
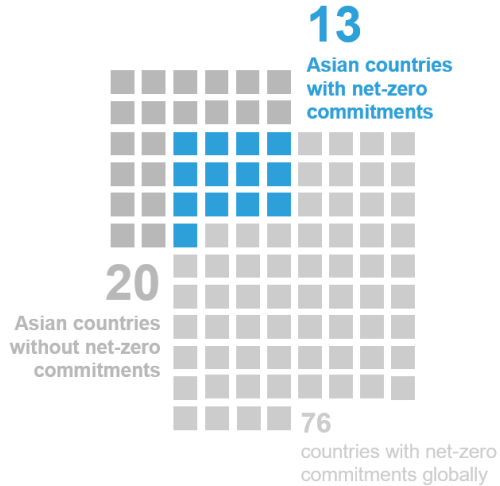


"[...] be more aggressive in addressing climate change using every means possible, in order to achieve carbon neutrality in 2050, and net zero emissions on or before 2065."

2021, COP 26, Prayut Chan-o-cha  
Prime Minister of Thailand

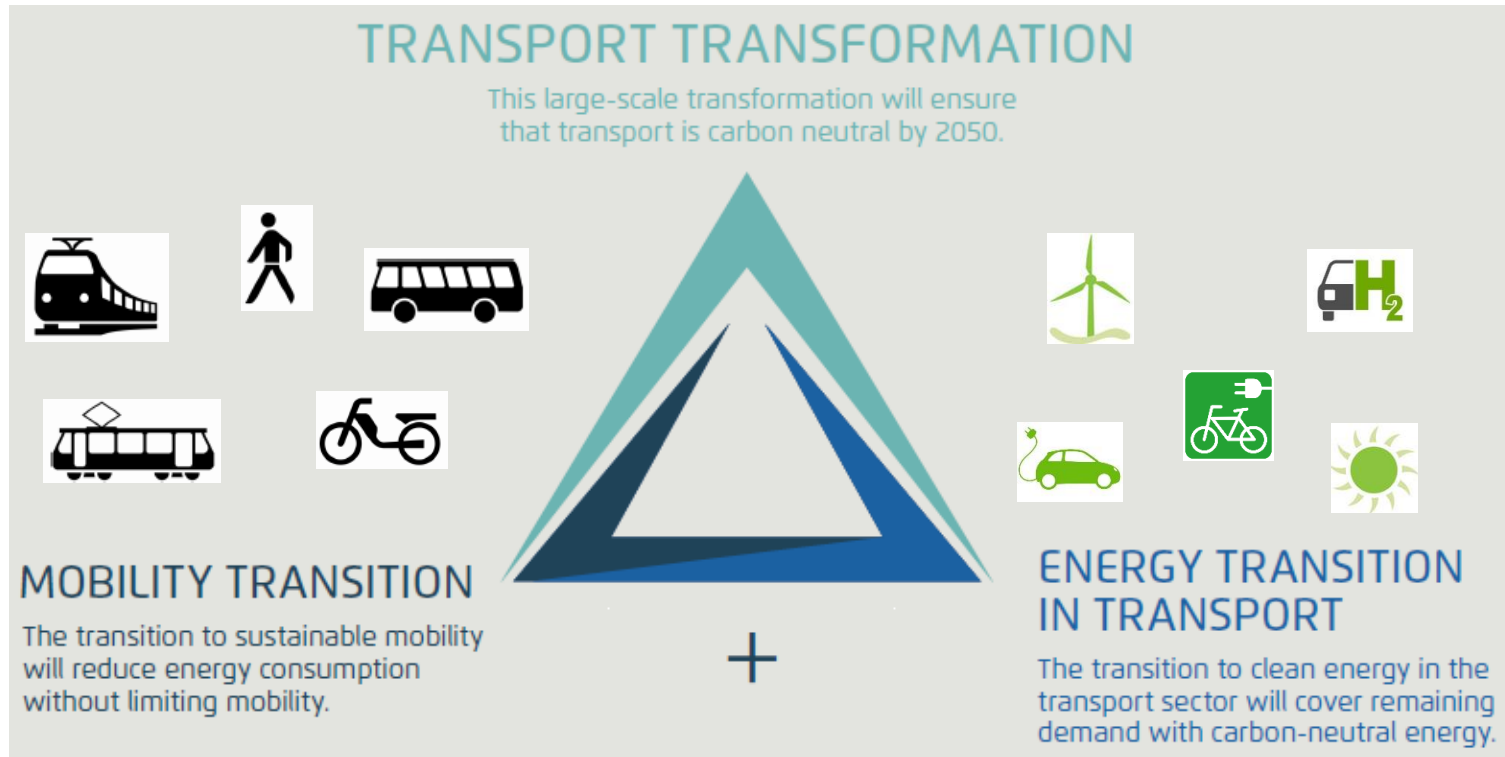


# A total of 13 Asian countries have net-zero emission commitments



- Net-zero commitments means transport needs to become carbon free
- Now countries need to elaborate the pathways and **policy packages** to reach their climate and sustainability goals in the transport sector

# Zero carbon transport requires a mobility revolution and an energy transition in transport



Source: Agora Verkehrswende

## Example: Hanoi launches 1st three e-bus routes

Vietnam's transport climate actions include, inter alia, expansion of public transport systems and electric mobility.

Hanoi Plan: "5% – 20% number of buses in the city using clean fuel (e.g. electric vehicles)"

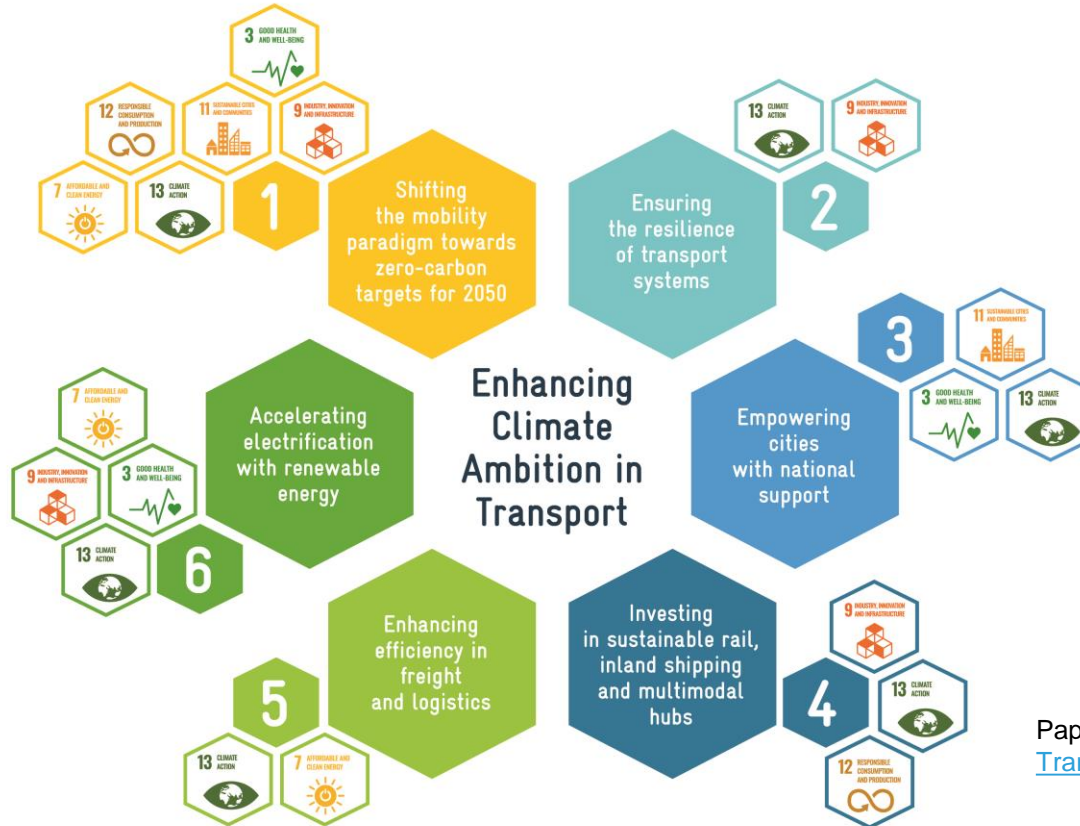
On 2<sup>nd</sup> December 2021, **Hanoi has launched the first smart electric bus line**. Two more lines are starting to operate this month, and six more in 2022.

→ To deploy e-buses at national scale, GIZ Vietnam is currently supporting the People's Committees of Ha Noi and Ho Chi Minh city to develop the **economic–technical norms for e-buses**.





# Shifting gears towards socially just zero-carbon sustainable transport



Paper: [Enhancing Climate Ambition in Transport](#) (GIZ, 2020)

# Shifting the paradigm requires a multi-stakeholder dialogue

## Council for Decarbonising Transport in Asia



Council Mission:

- ▶ Visualize change.
- ▶ Shift the narrative.
- ▶ Engage with leaders.

➡ In April 2022, the council will publish a **Flagship Report** to share its recommendations for decarbonised transport.

Video: <https://youtu.be/iWoyQJSWAhl>

# National stakeholder platform established in India

The **Forum for Decarbonizing Transport** is a platform to bring diverse stakeholders together (different potential work streams):



CEOs of key e-mobility companies have approached NITI Aayog directly to be part of this forum.

Several events planned for next year, inter alia on financing for sustainable transport.

Analysis and modelling of a renewable-based transport system planned for next year by GIZ to inform dialogue and policy development.

Hosted by



“Transport for a better life“ needs to address the specific needs of women, children, the elderly and people with disabilities.



**WOMEN ON THE MOVE**  
TRANSFORMING  
TRANSPORT IN ASIA

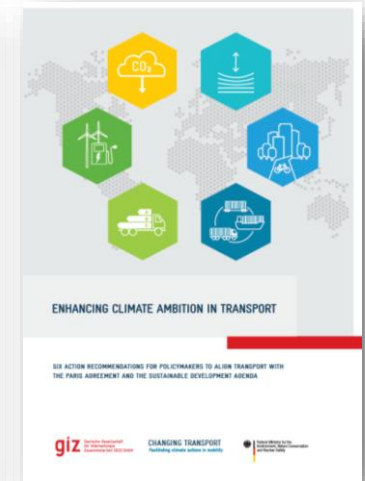
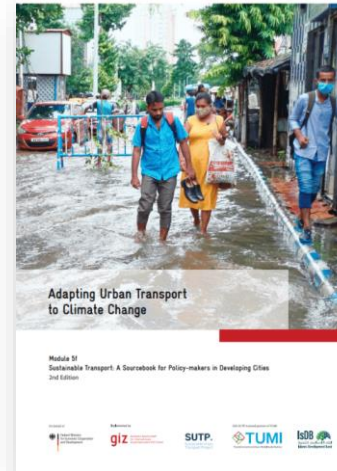
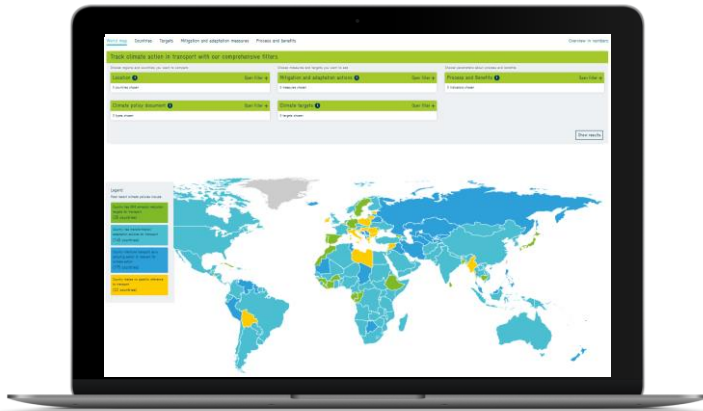


[https://www.linkedin.com/  
groups/9067438/](https://www.linkedin.com/groups/9067438/)



# References and further reading

- Tracker of Climate Strategies for Transport (GIZ & SLOCAT): [www.changing-transport.org/tracker](http://www.changing-transport.org/tracker)
- [Transport in new Nationally Determined Contributions and Long-Term Strategies - Changing Transport \(changing-transport.org\)](http://www.changing-transport.org)
- [GIZ's Six Action Recommendations](#) to enhance climate ambition in transport
- [GIZ's Sourcebook on Adapting Transport to Climate Change of 2021](#)



# THANK YOU FOR YOUR ATTENTION!



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