# Perspectives and challenges in achieving low-carbon transition mobility in Asia $\nabla$

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# Emissions on the rise...





# Estimated costs of \$70-100 billion annually for adaptation (overall, incl. transport)

Sources: IEA (2019), Gota et al. (n.d.)/SLOCAT Knowledge Base, World Bank (2010), ITF Transport Outlook (2017)

# **Transport Emissions in Global Regions**



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# **Challenge accepted!**

# Transport is part of NDCs, but more ambition is needed in the next round.

**172 countries (87%)** identify transport as an important source of emissions and area of action.

**14 countries** specify a transport sector GHG emission reduction target.

**119 countries** define mitigation actions in the transport sector.

Source: NDC Transport Tracker - Changing Transport (changing-transport.org)







### Ambitious targets require comprehensive actions



# **Our approach: Avoid – Shift - Improve**



36+ cities worldwide are or were developing a sustainable mobility plans with the support of GIZ, ensuring their mobility will be future-proof and sustainable.

These cities contribute to climate protection and help improve the quality of urban life.

# SUMP = "Quality seal" which banks and international organisations rely on

- Orientation, roadmap and expression of political will & stakeholder inclusion
- Implementation readiness and local capacities
- Access to local and national funding (financing plan, link to budget)
- Estimated reduction potentials (MRV) link to climate targets / NDCs

# Interoperability: "We do talk the same language":

- ✓ Joint methodological framework for SUMPs and NUMPs by Mobilise Your City
- Emissions calculator and MRV framework
- SUMPs developed by afd can serve as starting point for technical assistance by GIZ or vice-versa (e.g. two new/upcoming bilateral projects in Cameroon and Senegal; project facilities incl. C40 Cities Finance Facility, City Gap Fund)

We make a difference We support the German government in

achieving its goals in international cooperation for sustainable development.

With more than **1500 ongoing projects**, we bring comprehensive expertise to the table. (**Transport: 44 projects** and measures in **30 countries** and regions)

> **600+ active** members of the Transport Community of Practice

# **GIZ Transport Projects in Asia**

#### Nepal

Sustainable Electric-Transport for Kathmandu Valley

#### Bangladesh

 Transition to Sustainable Mobility

#### China

- Transformation in the Mobility Sector (TiMS)
- Advising and supporting German-Chinese cooperation in the areas of electromobility and automated and connected driving

#### Regional & Global projects

- S-Caucasus: Sustainable Urban Mobility
- <u>ASEAN</u>: Sustainable design of urban mobility in medium-sized metropolitean regions (*Thailand*, *Cambodia*, *Laos*, *Vietnam*)
- <u>N-America-CAPRICOM</u>: Supporting the implementation of National Determined Contributions (NDCs) in the Caribbean
- <u>Asia:</u> NDC Transport Initiative for Asia (*China, India, Vietnam*)
- O TUMI Just Mobility / E-Bus Mission
- Mobilize Net Zero Facilitating the global transport transformation

#### Thailand

 Thai-German Cooperation on Energy, Mobility and Climate (TGC-EMC)

#### **Marshall Islands**

 Transitioning to Low Carbon Sea Transport

#### India

- Sustainable urban mobility access, climate protection and air quality
- Promotion of the transformation to sustainable and climate-friendly electric mobility
- O Green Freight

#### Vietnam

Public bike-sharing scheme in Hue City) develoPPP

#### Indonesia

- German-Indonesian Climate Initiative Climate and Environment Protection in Municipal Infrastructure
- Sustainable Urban Transport Program Indonesia (NAMA SUTRI)



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Integrated planning will be essential for tapping the full potential of the transformation and managing its complexity

#### Some strategies to address this blind spot:

- Establish National Urban Mobility Policies (NUMPs) to guide Sustainable Urban Mobility Plans (SUMPs) at the local level as instruments to plan for mobility systems, integrated into spatial planning activities.
- Create national funding programmes for implementing local action.
- Provide institutional spaces to draw attention to thematic areas such as walking, cycling and freight, but also spaces that foster collaboration and integration between different modes.

Report by the Council for Decarbonising Transport in Asia; <u>Taking Action Now | NDC Transport Initiative for Asia</u>

### GIZ's approach: Strategy development + raising ambition + decarbonizing



# E-Learning @FutureLearn by TUMI & partners



Learn more and register here: https://www.futurelearn.com/partners/transformative-urban-mobility-initiative

Or visit the TUMI knowledge hub: https://transformative-mobility.org/knowledge-hub/

# SUMPs in the ecosystem of technical cooperatoin

- ✓ Access to know-how and skills
- ✓ Technical assistance for SUMP & policy development & implementation
- ✓ Facilitation of project development (pre-feasibility)
- → Partnership with international climate finance, MDBs, national funding programs
- $\rightarrow$  GIZ builds on SUMPs developed with support of Afd, ADB
  - → SUMP Dakar/Senegal (afd) → MoVe Dakar (bilateral project as of Q1/2024)
  - → SUMP Yaoundé/Cameroon (afd) → MoVe Yaoundé (bilateral project as of 10/2023)

# he route towards zero-emission ransport is not a one-way track...

It's like a railway system with extensive network character!

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