

# IS ASIA ON TRACK TO PEAK TRANSPORT EMISSIONS BY 2030 AND DECARBONIZE BY 2050?

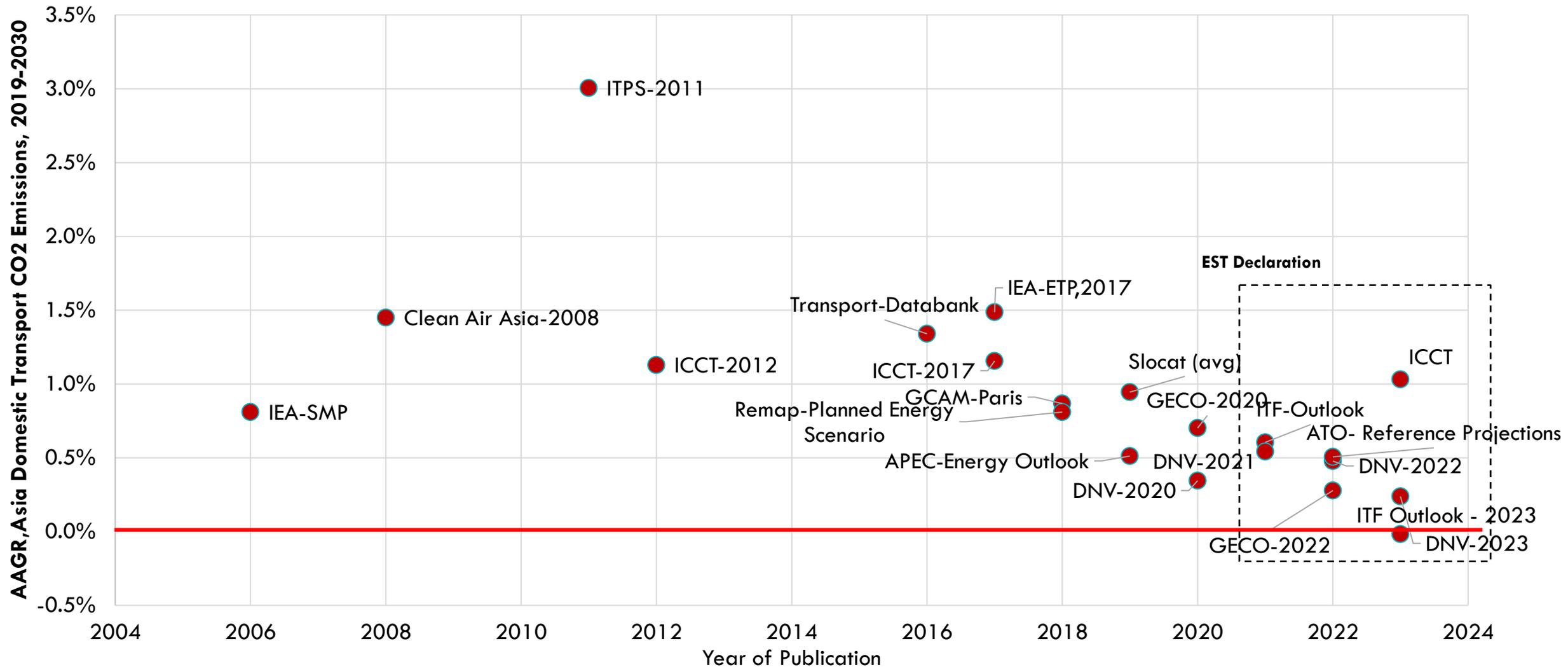
**Sudhir Gota**  
**Co-Team Leader,**  
**Asian Transport Outlook (ATO)**  
*The transport observatory for the Asia – Pacific region*

25<sup>th</sup> October 2023



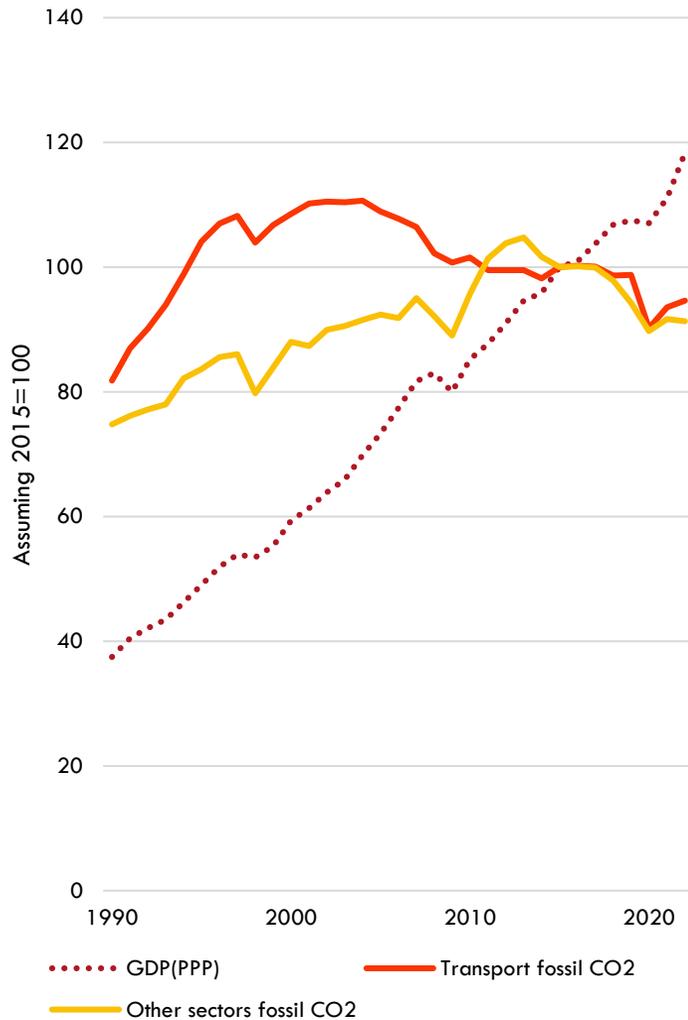
# WILL TRANSPORT CARBON EMISSIONS PEAK BY 2030?

Business-as-usual/Reference Transport CO<sub>2</sub>, AAGR, 2019-2030 for Asia

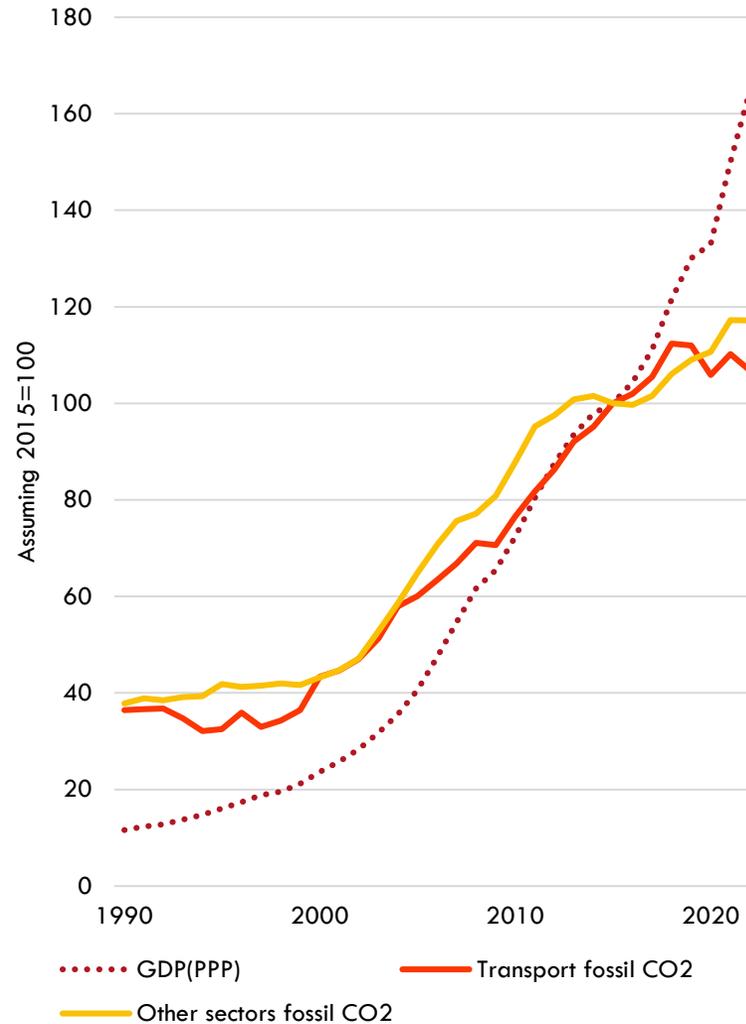


# WILL TRANSPORT CARBON EMISSIONS PEAK BY 2030?

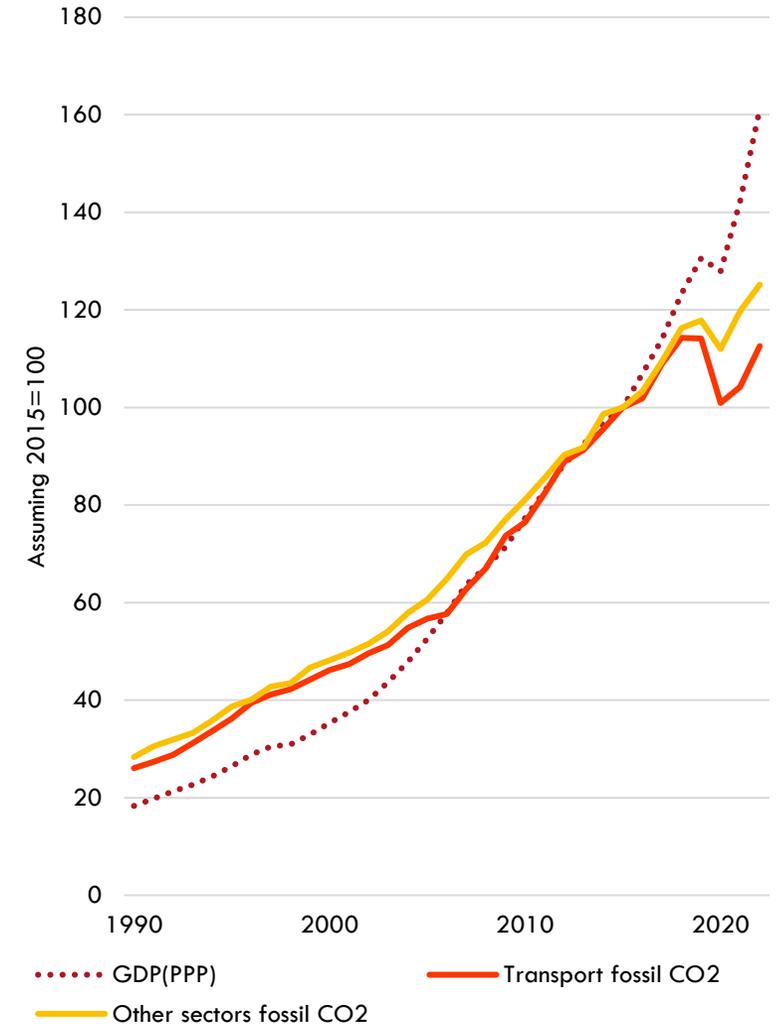
## 1) High income EST economies



## 2) Upper middle income EST economies

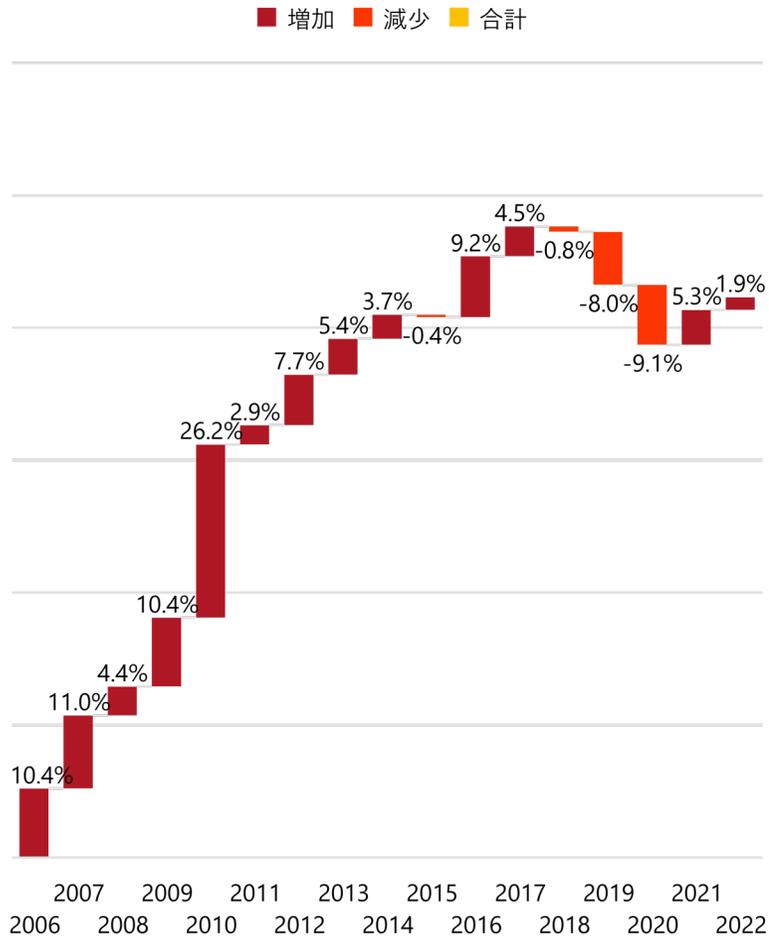


## 3) Low and lower middle income EST economies

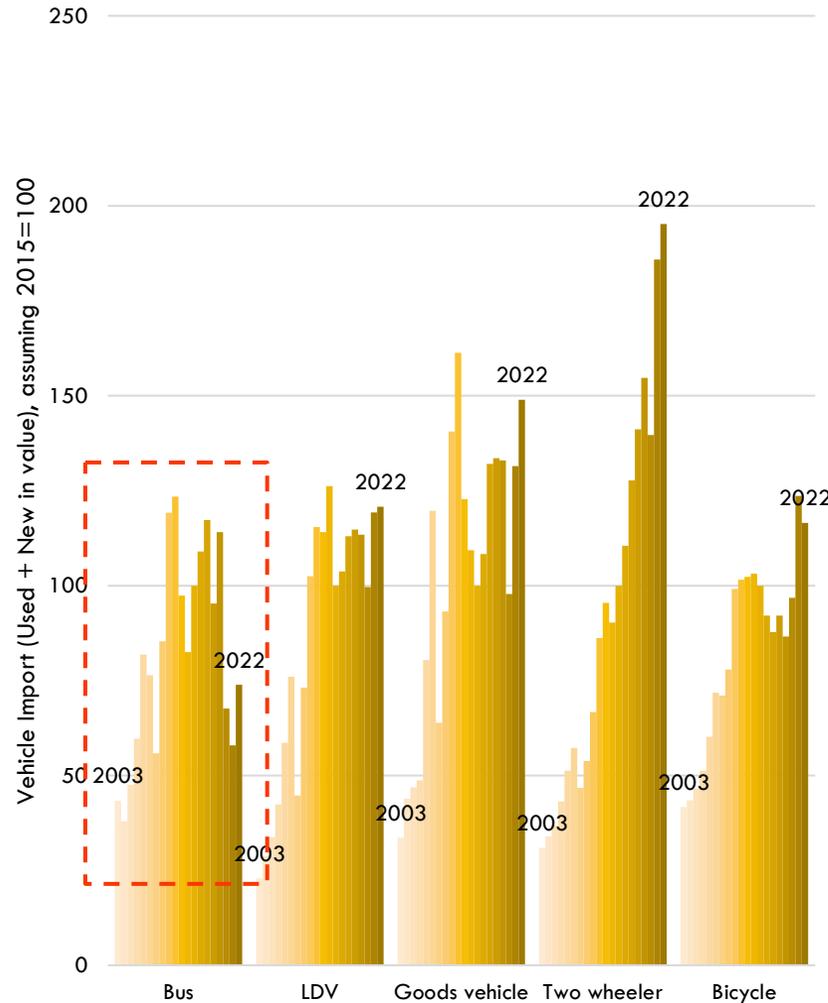


# WILL MOTORIZATION PEAK BY 2030?

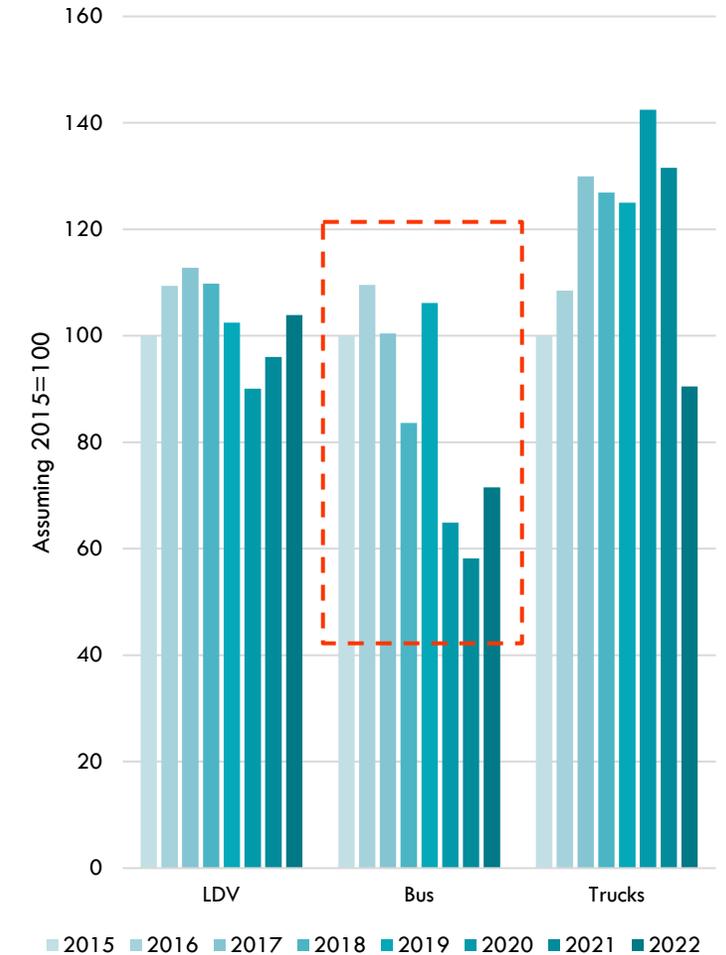
EST economies Vehicle Sales Year-on-Year Growth (excl Two wheelers)



Vehicle import in EST economies



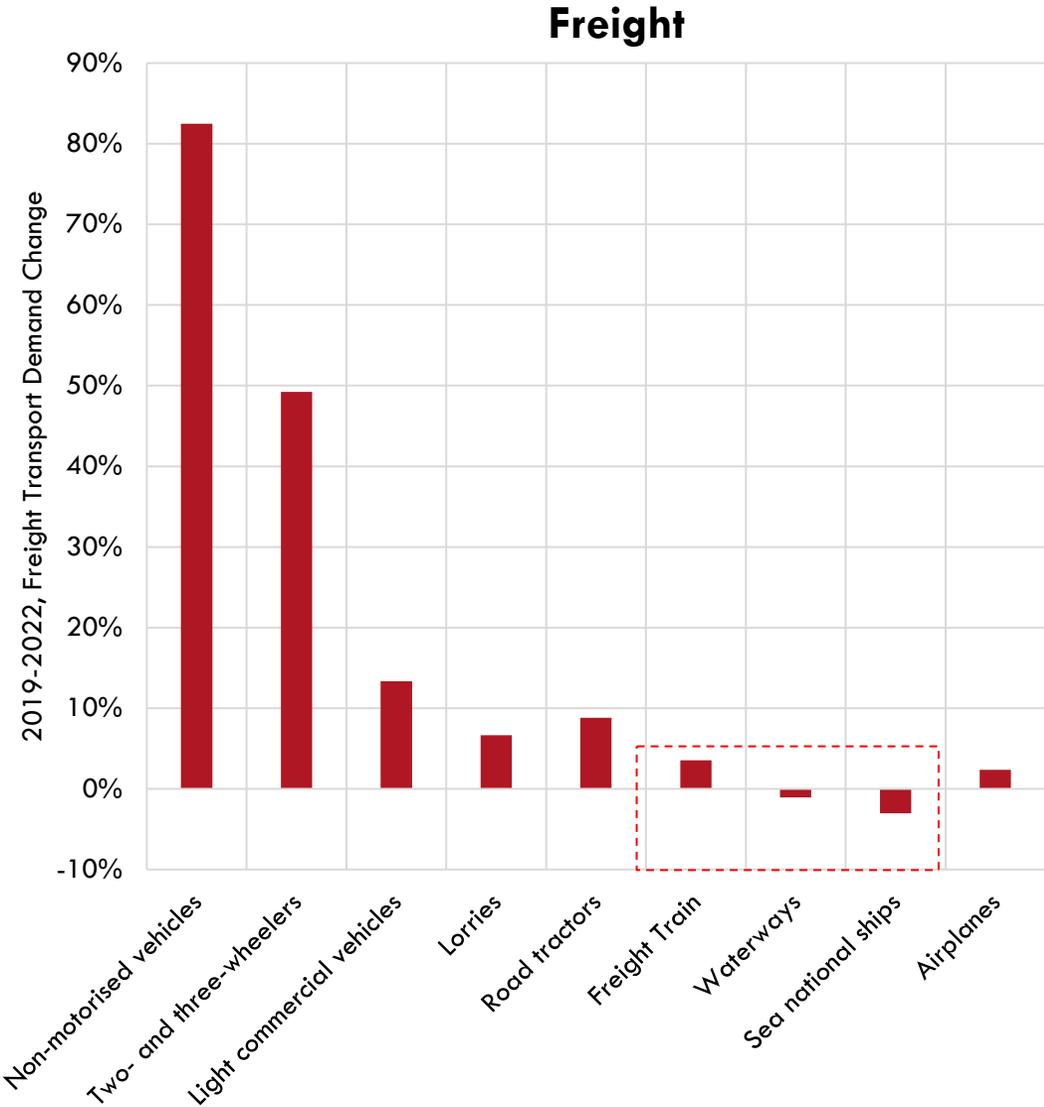
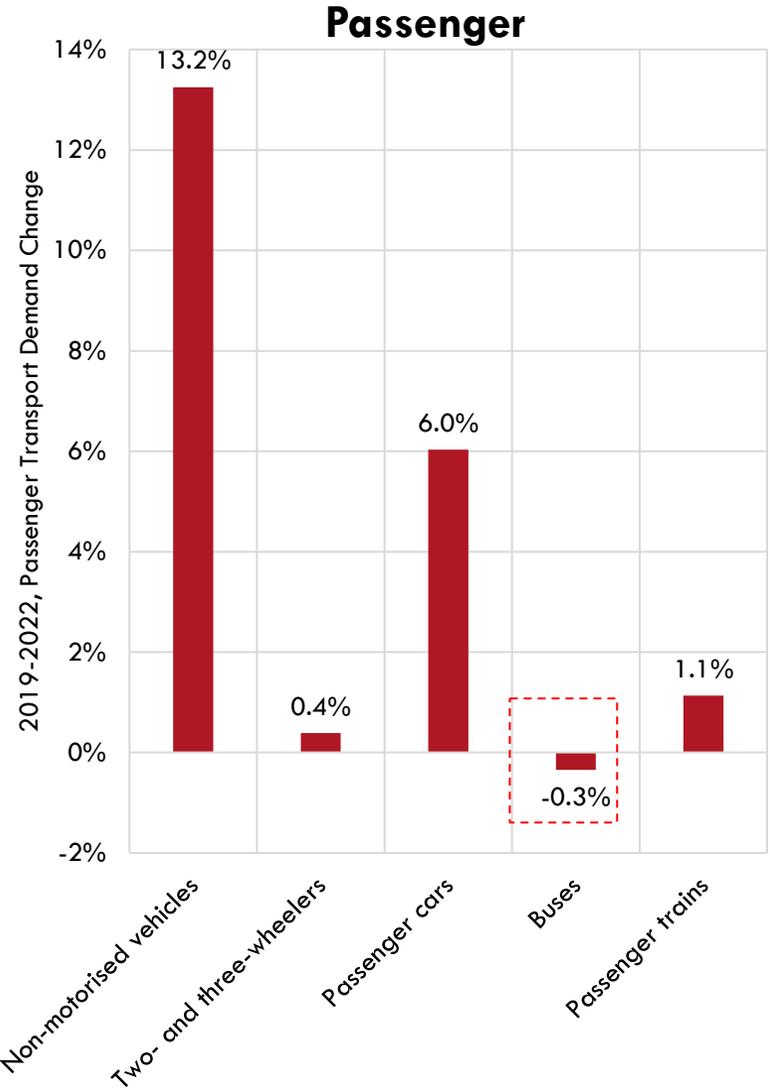
Vehicle manufacturing in EST economies



# MODAL SHIFT?

ITF-2023 estimates indicate that when compared to 2019, the 2022 transport demand in Asia and Pacific region increased marginally by

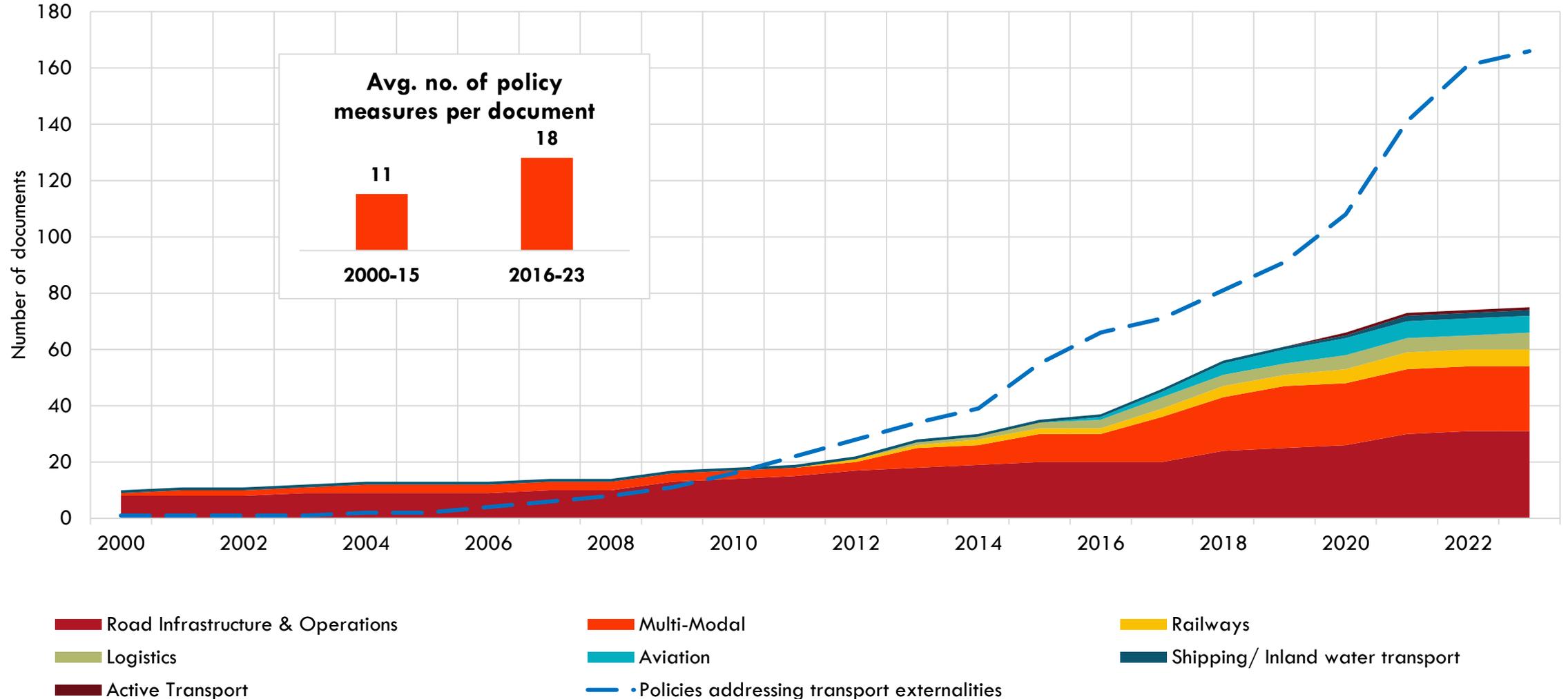
- 3% for passenger transport
- 4% for freight transport
- However, among modes
  - bus transport demand in 2022 was slightly lower than in 2019.
  - Domestic waterways and shipping were slightly lower in 2022.
  - Significant increase in non-motorized transport demand but from a very low base.



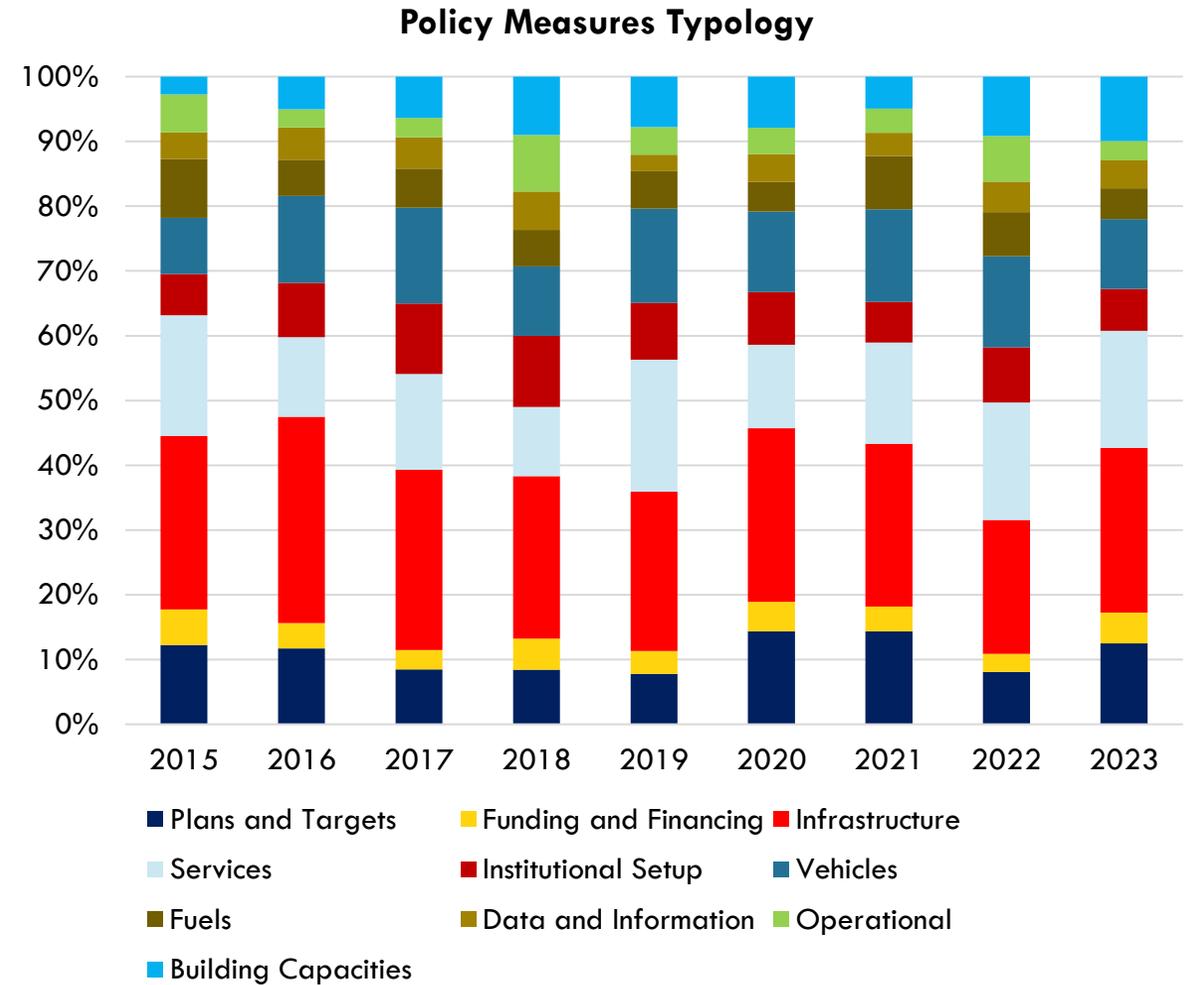
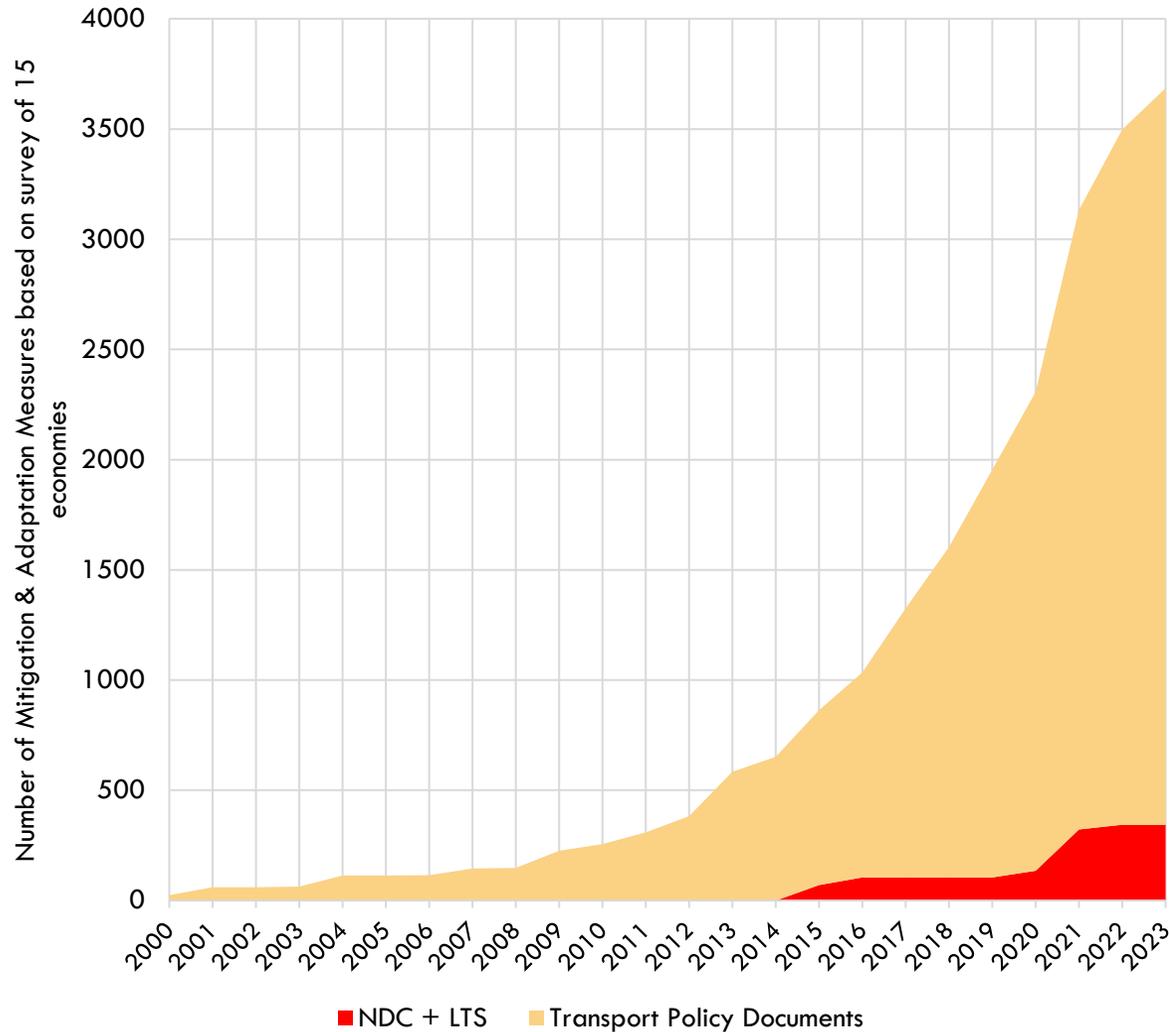
Source: ITF Transport Outlook 2023

# ATO POLICY TRACKER: INCREASED ATTENTION TOWARDS POLICIES

Transport-related policy documents from 15 economies



# SCALING-UP OF LOW CARBON TRANSPORT POLICIES



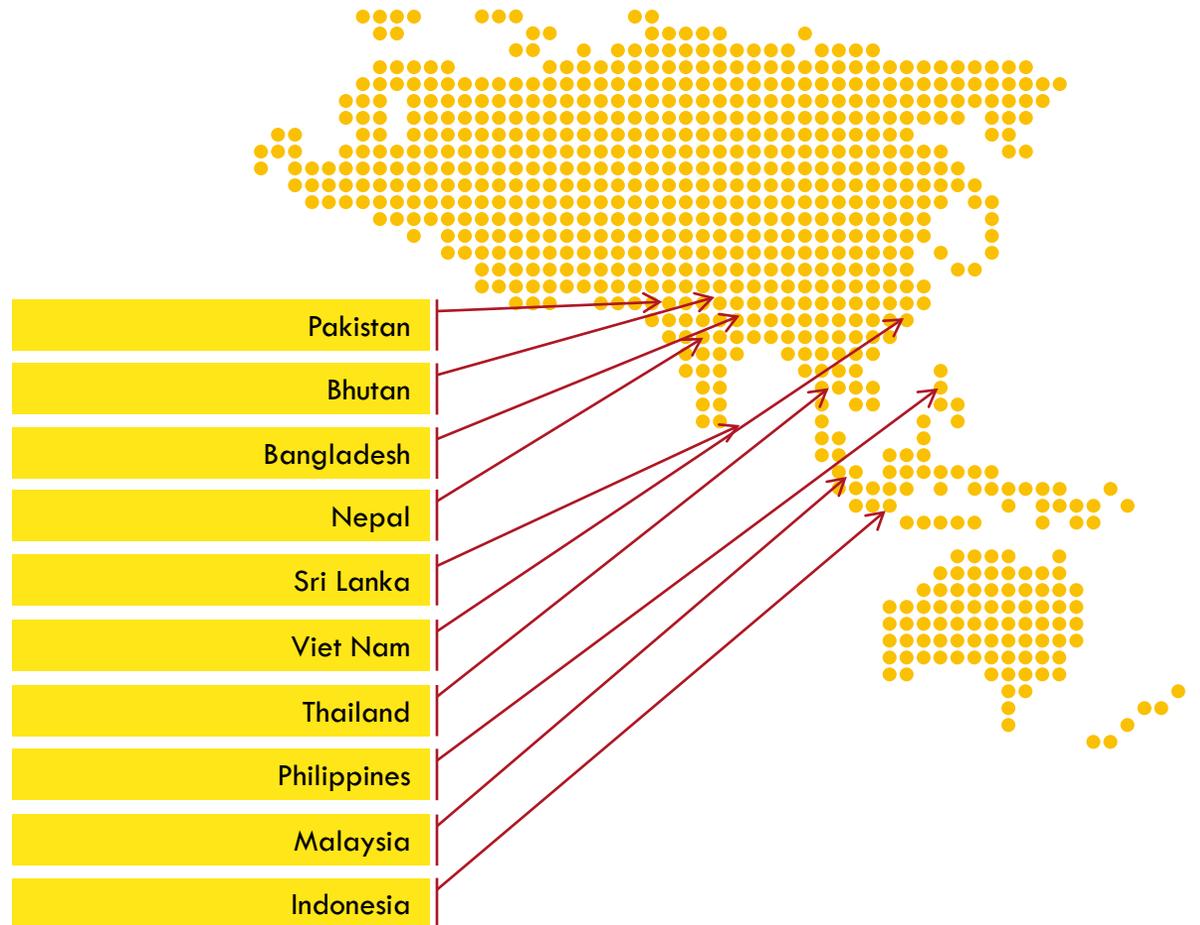
Countries considered – Bangladesh, Bhutan, Indonesia, Kazakhstan, Lao People's Democratic Republic, Malaysia, Maldives, Nepal, Pakistan, Philippines, Sri Lanka, Thailand, Timor-Leste, Uzbekistan & Viet Nam

# AVOID-SHIFT-IMPROVE

Vehicle registration limit, Prevention of construction of roads,  
Road access restriction

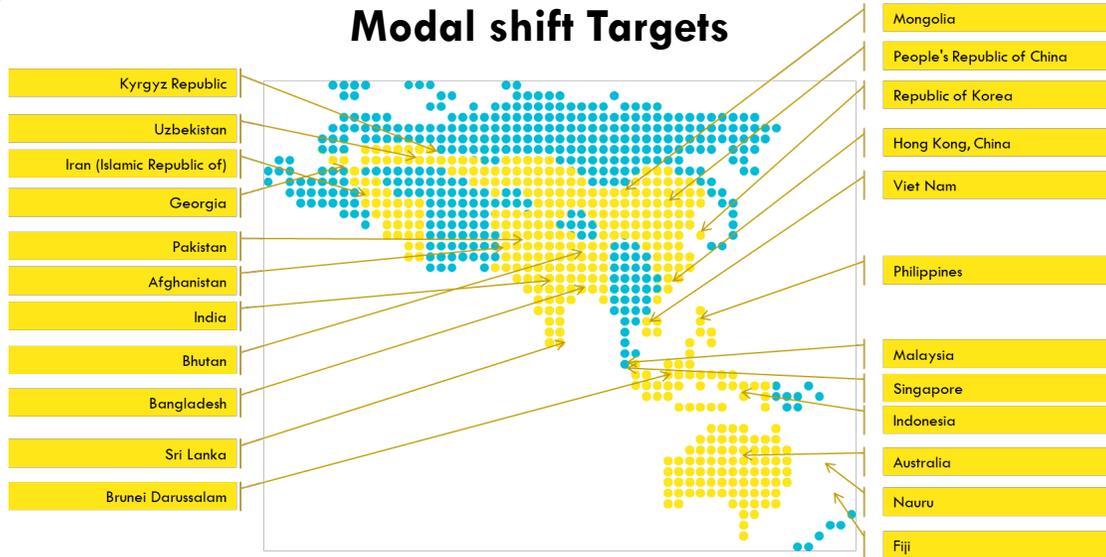


Fossil fuel subsidy elimination, Fuel tax, Vehicle taxes

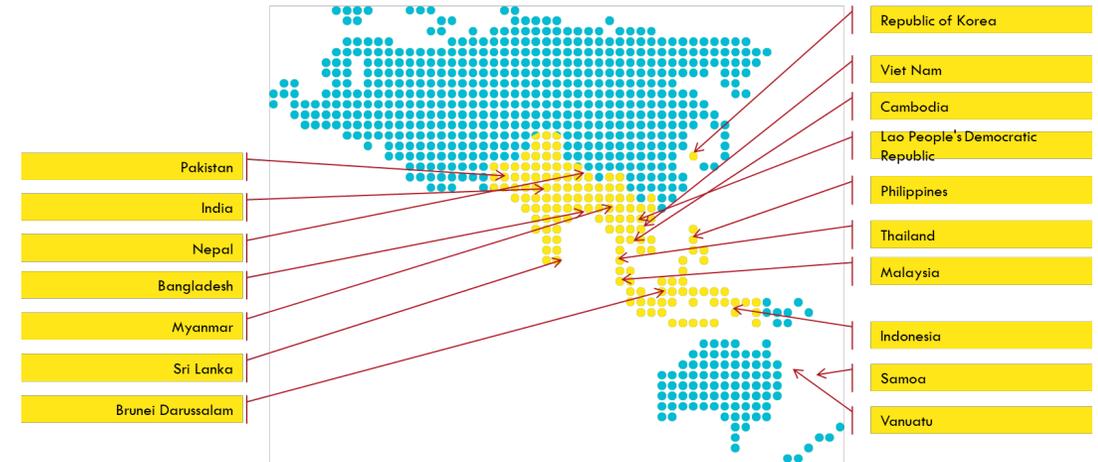


# AVOID-SHIFT-IMPROVE

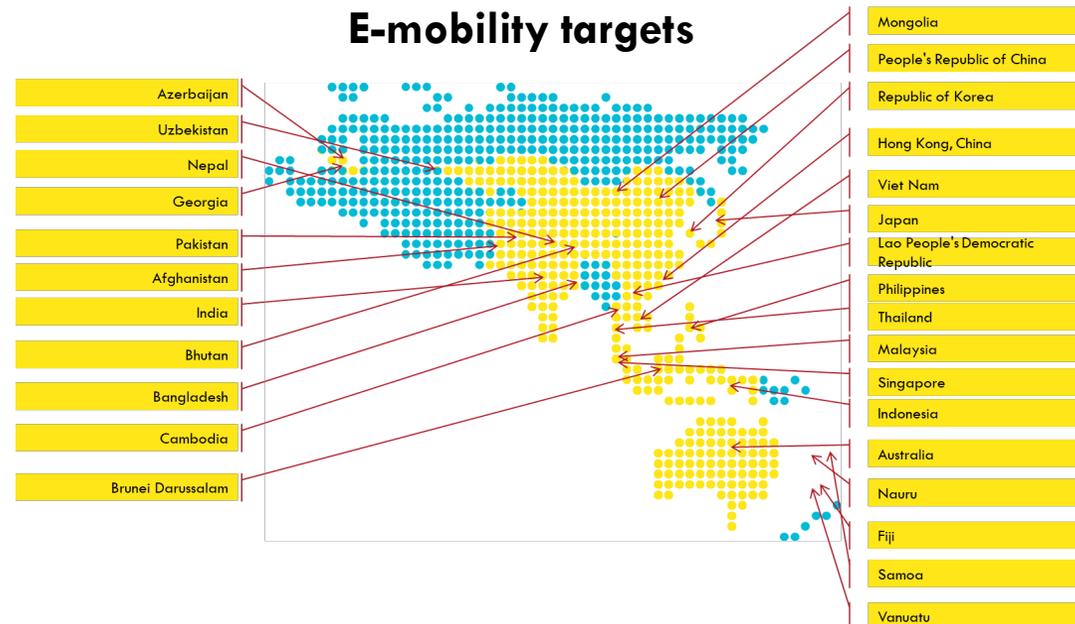
## Modal shift Targets



## "Improve" measures – renewable energy targets

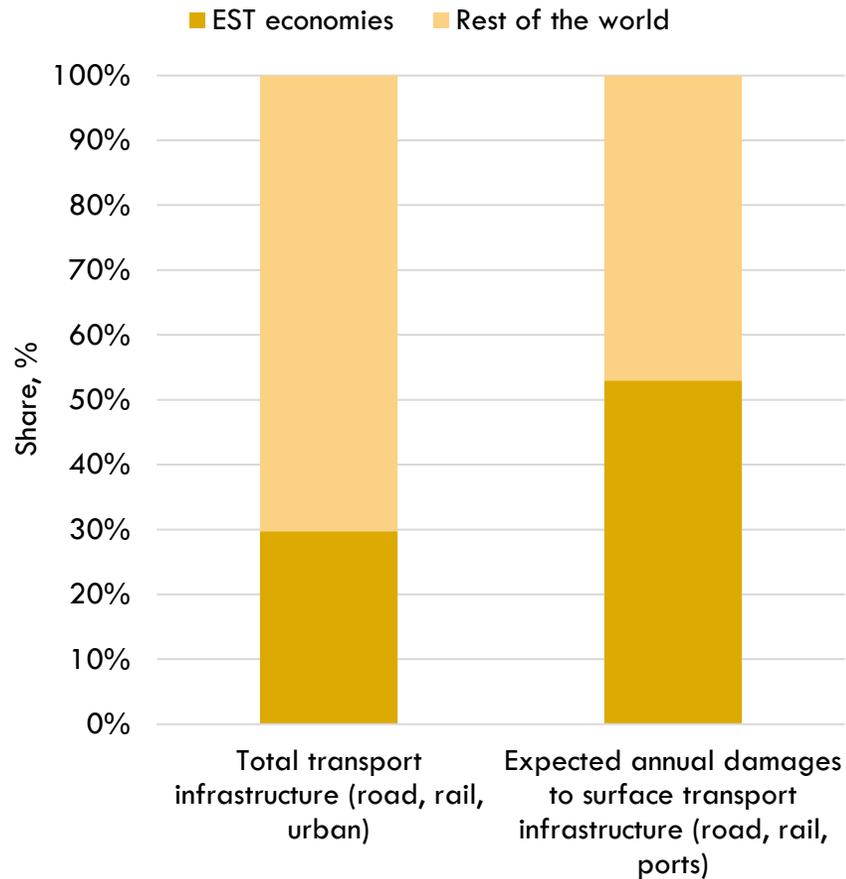


## E-mobility targets

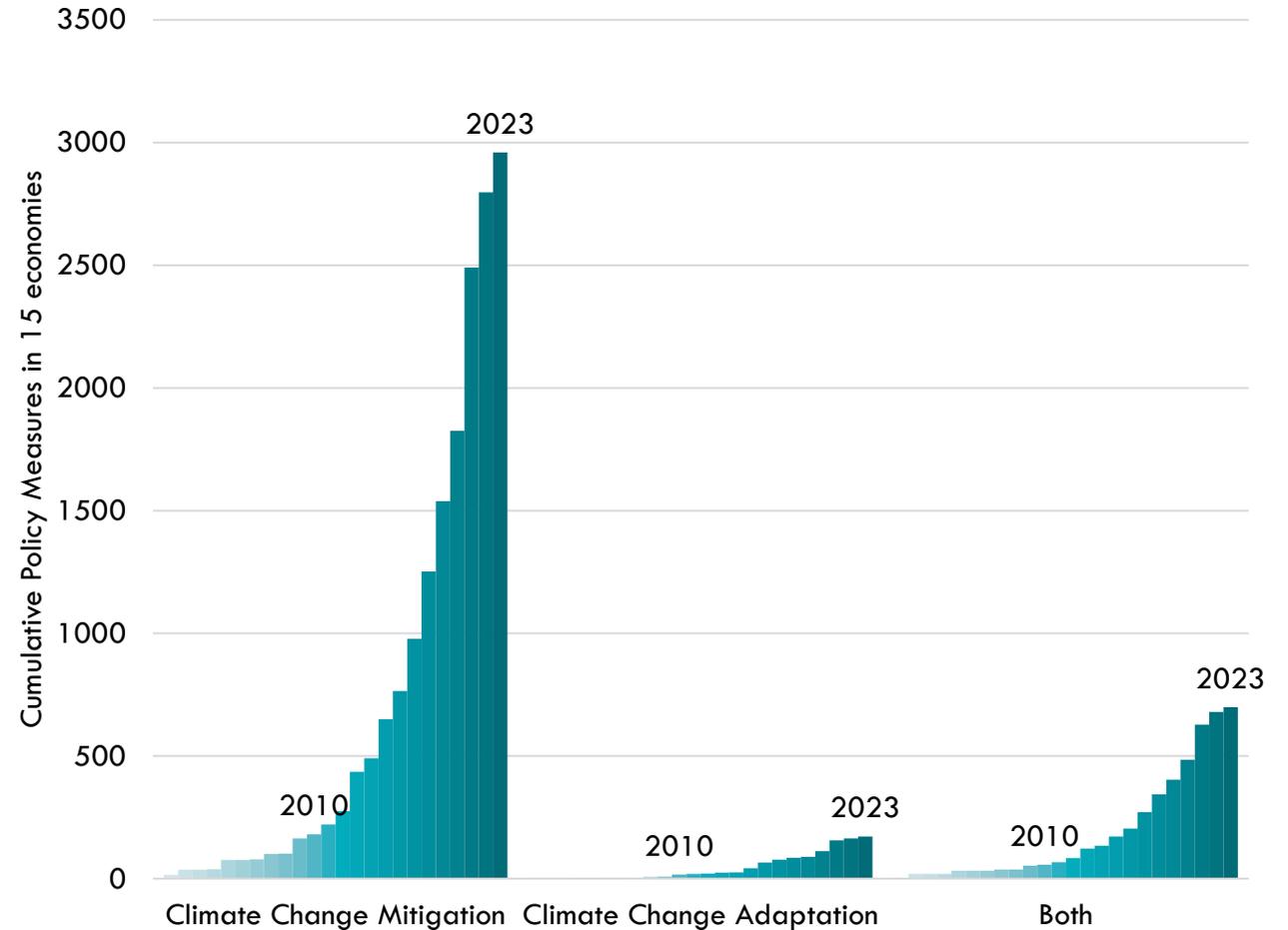


# NEED FOR GREATER POLICY FOCUS ON CLIMATE RESILIENCE

EST's share in Infrastructure and Expected Damage

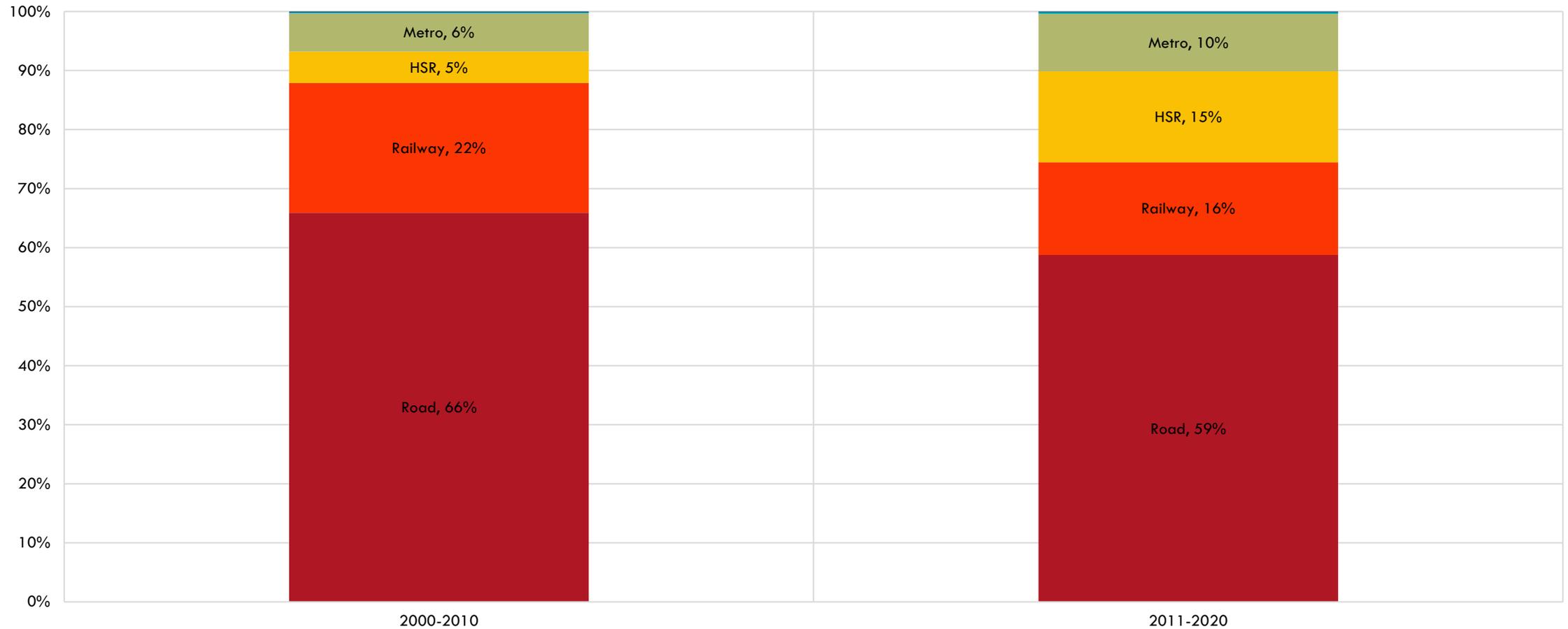


Climate Policy Measures



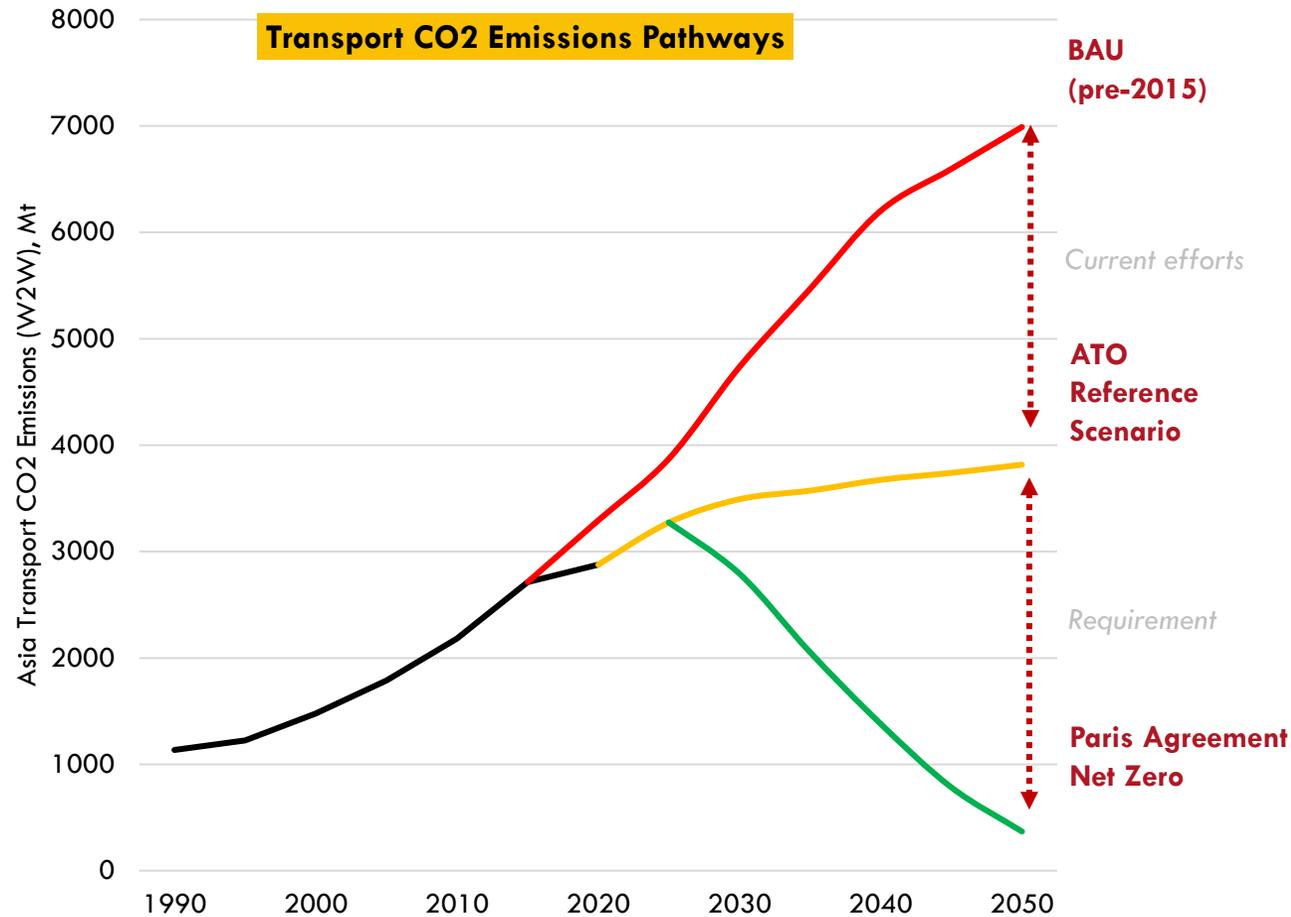
# TRANSPORT INFRASTRUCTURE INVESTMENT LANDSCAPE

EST economies transport infrastructure investment share



Since 2000, transport infrastructure investment has tripled!

# WILL TRANSPORT DECARBONIZE BY 2050?



**408 million**

*rural population without access to all-season roads*

**1.3 billion**

*urban population without convenient access to public transport*

**0.8 million**

*road crash fatalities*

**0.3 million**

*premature deaths due to transport air pollution*

**13%**

*female participation in the transport sector*

**~15%**

*of GDP logistics cost*

**60%**

*of global damages to transport assets due to natural hazards is in Asia*

***“ATO translates data into insights,  
policies, and investments”***

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