



FROM LOCAL TO GLOBAL

Transport Data Perspectives
Asian Transport Observatory

Alvin Mejia
Co-Team Lead

TDC Global Launch Workshop
February 2026



In many emerging economies, transport decisions are often made with partial visibility

not because data does not exist

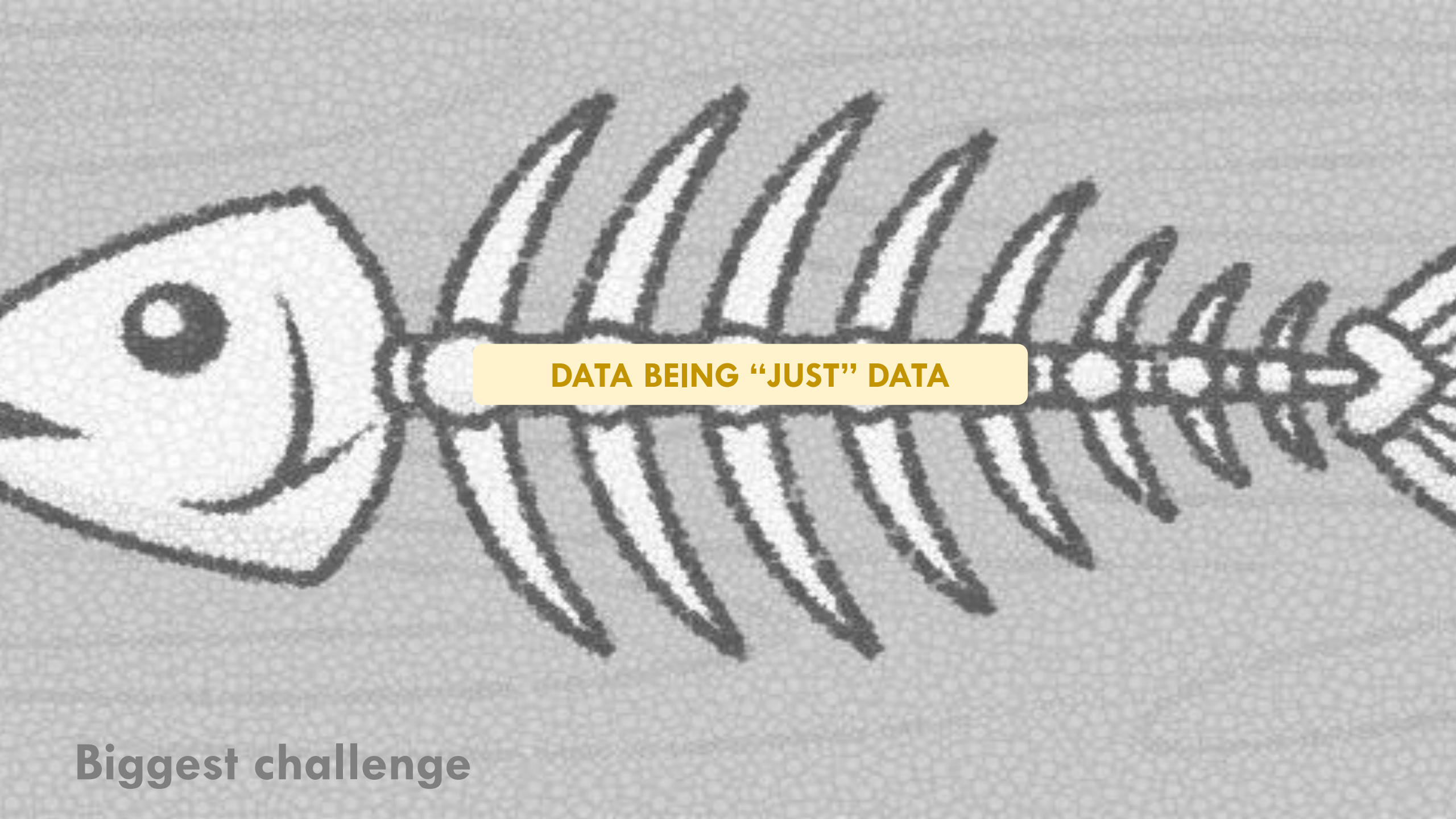
but because data is disconnected

Landscape
of
transport
data





**Fragmented
Uneven
Static**



DATA BEING "JUST" DATA

Biggest challenge

Asian Transport Observatory

Strengthening the knowledge base of transport in Asia-Pacific

A leading platform that gathers and shares comprehensive datasets, generate unique policy insights, and delivers novel knowledge products rooted in groundbreaking analysis.

asiantransportobservatory.org



ATO National Database

Explore over 450 transport indicators from 51 economies divided across nine categories



ATO National Transport Policy Documents Database

Explore close to 1100 transport policy documents in Asia and the Pacific



ATO Urban Database

Explore more than 260 urban level transport indicators across nine categories



ATO Cost Database

Explore more than 1,300 transport-related projects and benchmark their costs within subregions or income groups in Asia and the Pacific



ATO Analytical Outputs

Read about analysis made using ATO transport data and policy information

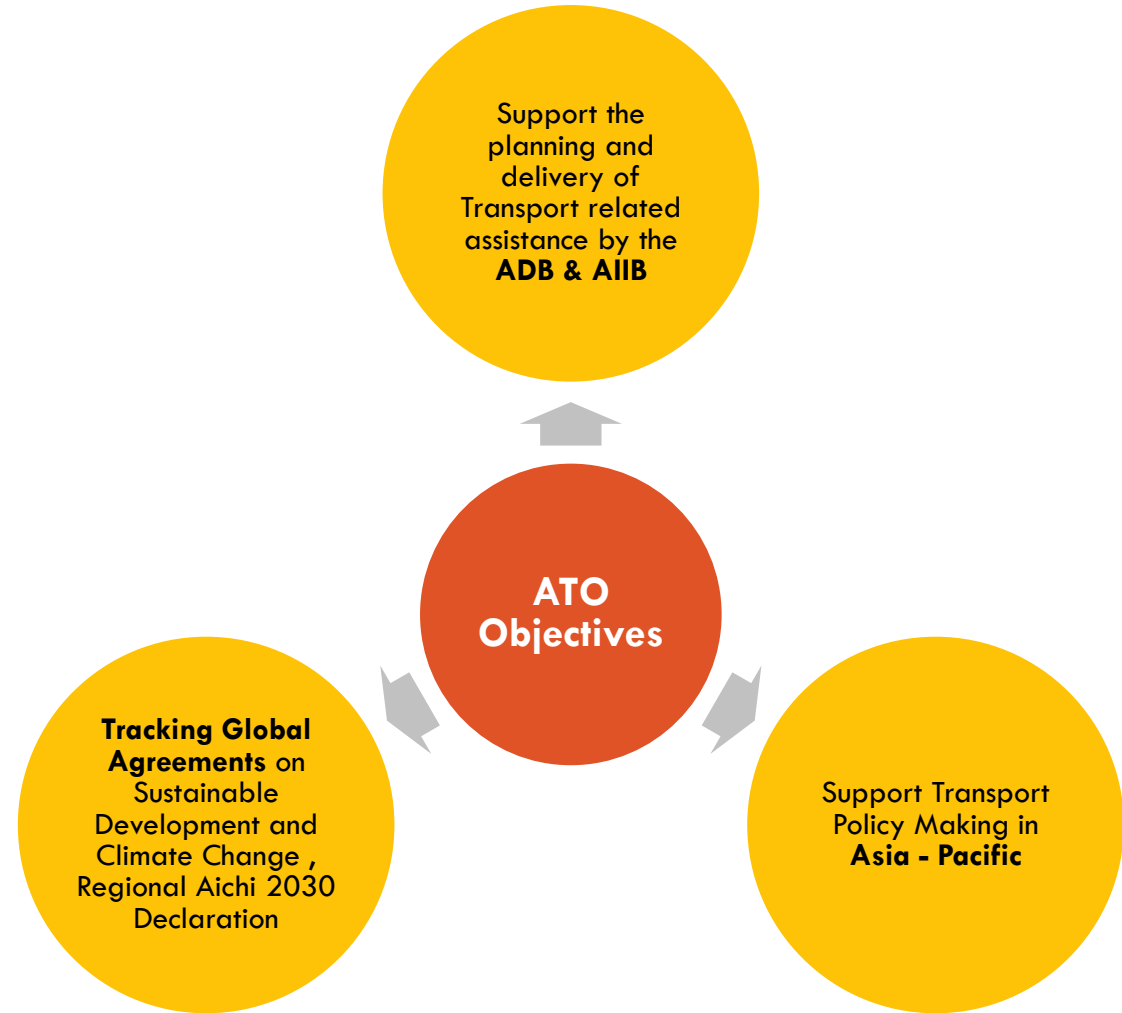
Asian Transport Observatory (ATO): A Catalyst for Sustainable Transport in Asia



52 Economies (ADB Members + Iran and Russia)

460 Urban Centers (412 Asia-Pacific, 48 Others)

50 Urban Centers with a detailed review



We collect, collate, organize data

ATO National Database



507 available indicators

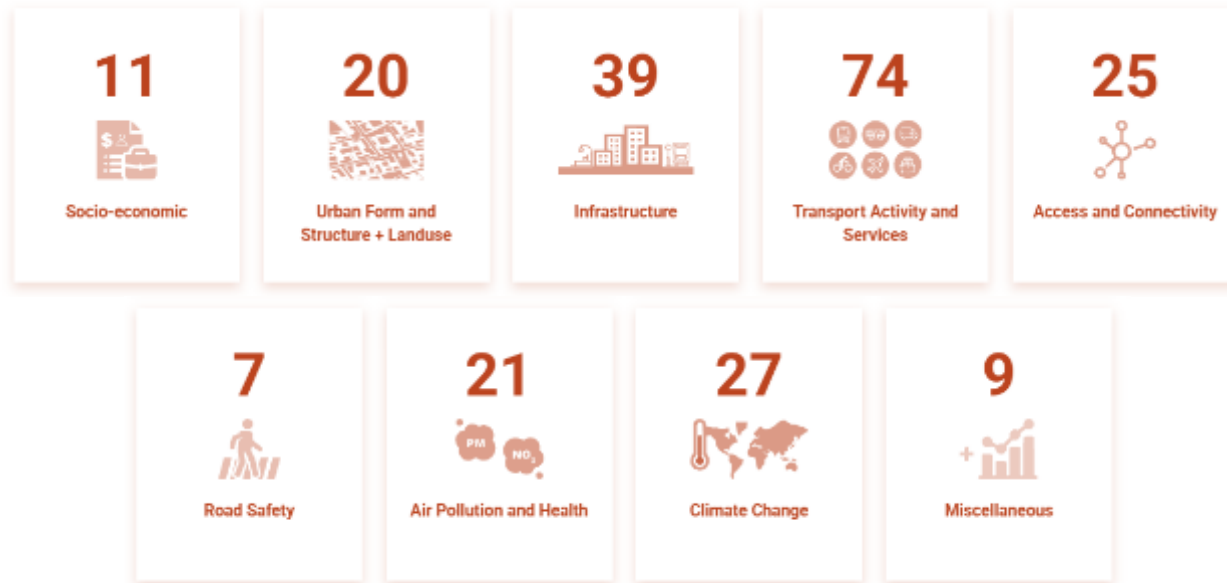
136 unique sources

57% of indicators have multi-year data

27% of indicators have more than 1 source

We collect, collate, organize data

ATO Urban Database



324 available indicators

63 unique sources

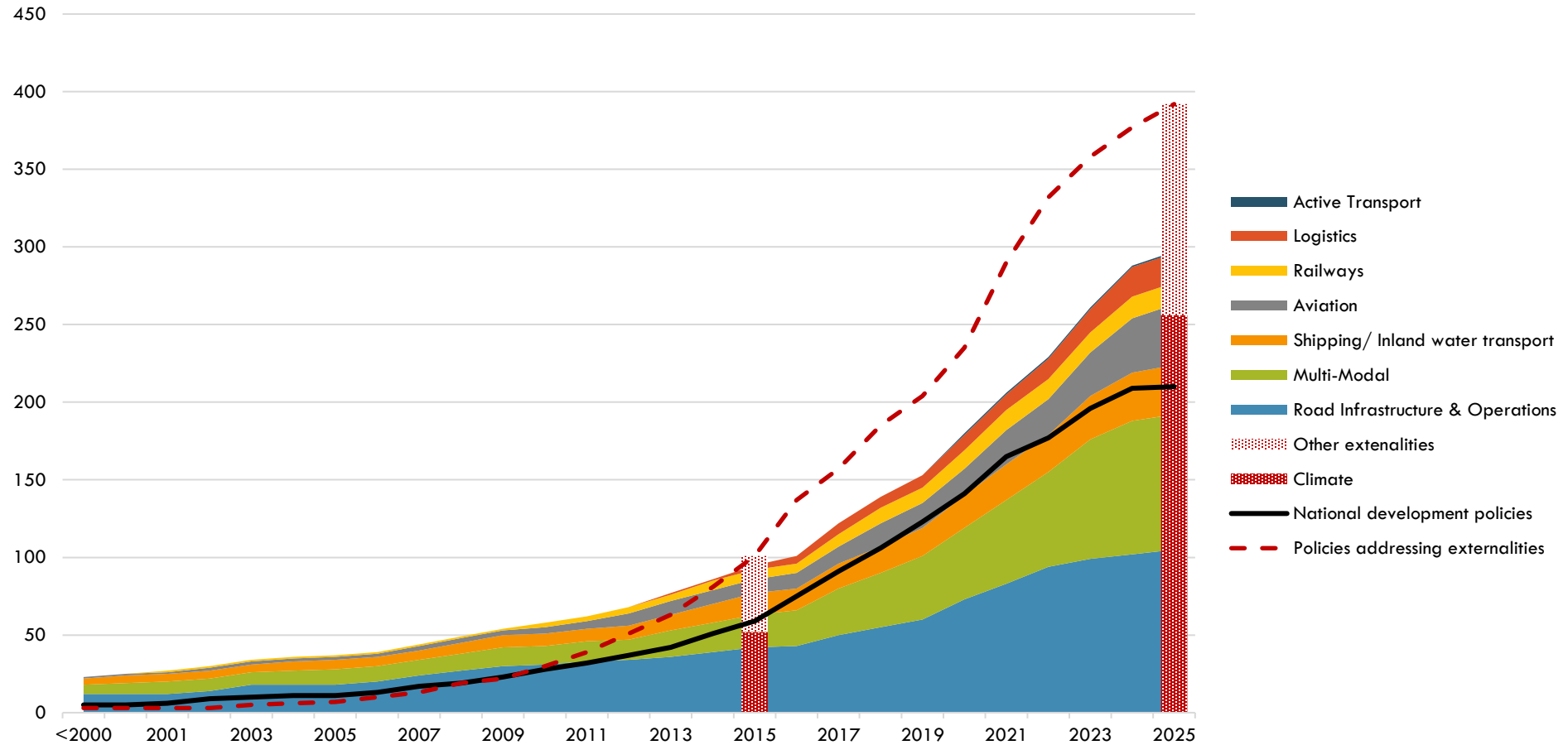
30% from Official Sources

35% indicators have multiple sources

69% have multiple years

We collect, collate, organize data... and policies

Distribution of Transport Policy and Related Documents by Focus Area



For a sample
of 44 countries

1,255+ policy documents

~ 30 documents per country

13,500+ policy measures

~ 300 policy measures per country

1,530+ targets

~ 35 targets per country

We transform data into insights & storylines

27

Reports (recent)

173

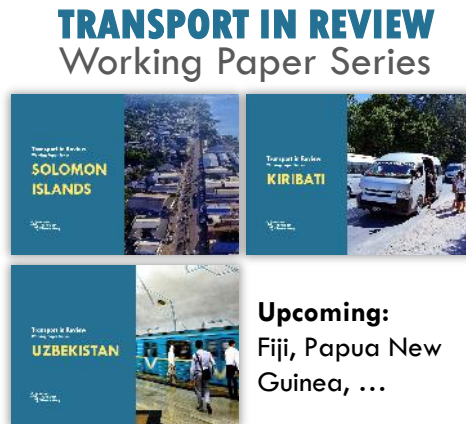
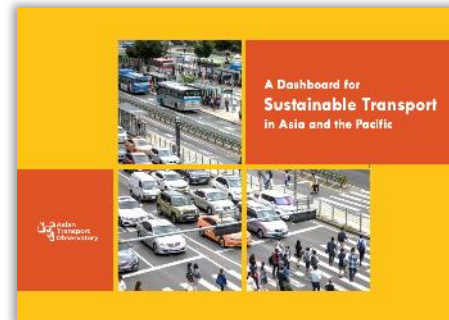
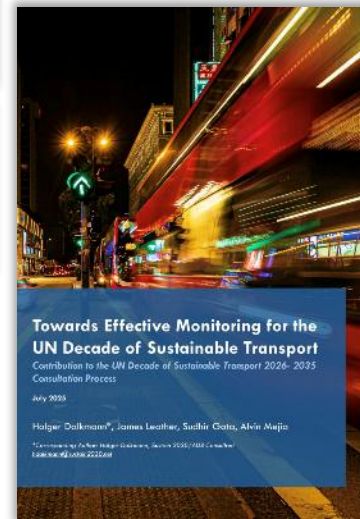
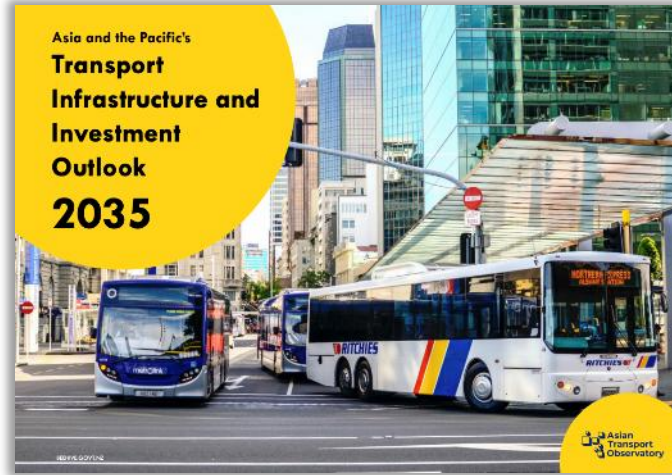
Country Profiles created under 7 categories

30

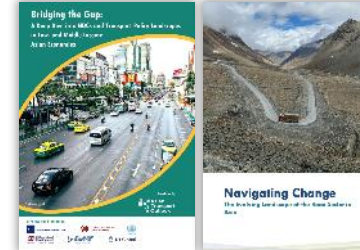
Interactive Visualizations created

400+

Citations (in Phase 3)



Upcoming:
Fiji, Papua New Guinea, ...

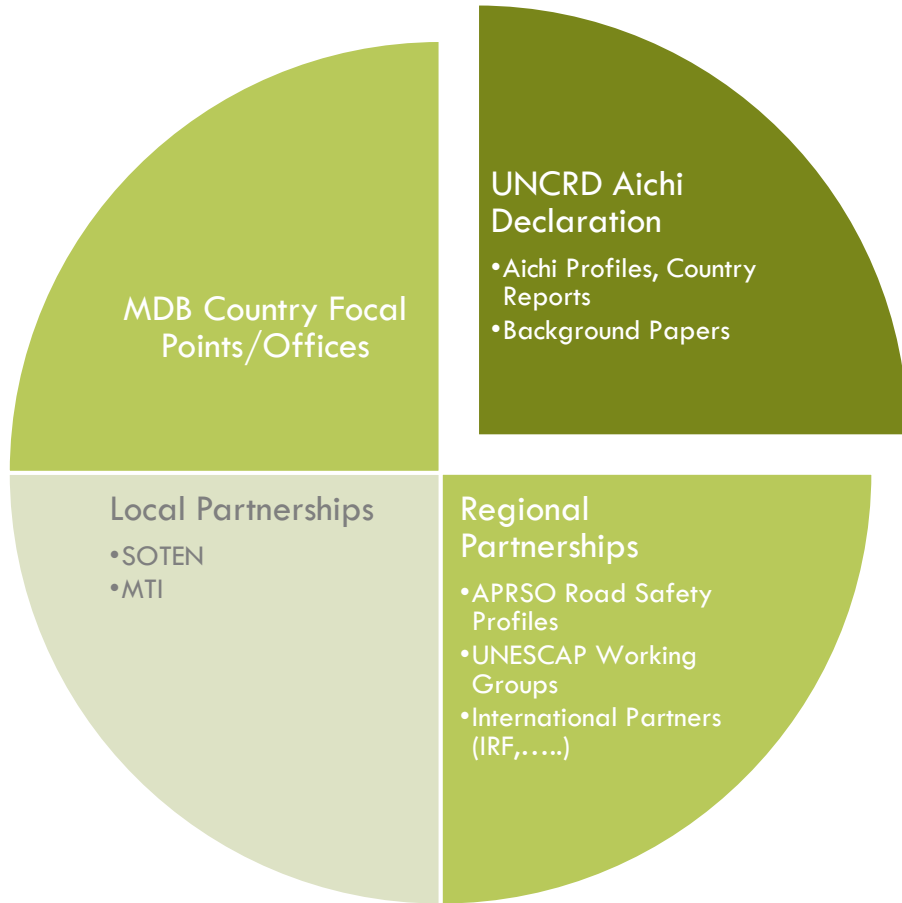


Interactive Country Profiles

- Green Roads
- Transport and Climate Change
- Road safety
- Upcoming: Air Pollution, Aviation



We engage in validation and sharing



2026

ATO Presents Findings - National Workshop for Solomon Islands

2026-01-28
📍 Online

2025

ATO Contributes Evidence Base to Regional Dialogue on Scaling Up E-Mobility Finance in Asia-Pacific

2025-12-01
📍 Bangkok, Thailand

2025

ATO Contributes to the ADB Transport Data Forum

2025-11-30
📍 Manila, Philippines

2025

ATO Joins ESCAP Technical Advisory Group to Support Low-Carbon and Resilient Transport Action Plans

2025-10-20
📍 Online

2025

ATO at the Asia-Pacific Road Safety Conference 2025

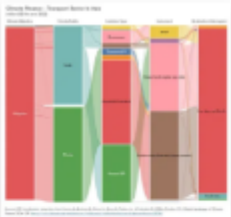
2025-09-09
📍 Manila, Philippines

2025

ATO Contributes to ADB's Advancing Transport Leadership Program

2025-05-12
📍 Tokyo, Japan

We increase interest and capacity to digest data




Climate Financing: Transport Sector in Asia - Visualization
2024-11-26

The dashboard presents a detailed overview of climate finance flows specific to regional trends, funding distribution, and sources of investment.

Interactive Visualization

Tags: Climate, Climate finance



Transport CO2 Emissions Visualization Tool
2024-11-18

ATO has created a visualization / animation tool using the data from IEA-EDG. Data from 1990 onwards is represented in the visualization tool which aims at magnitude, direction, and speed of change in transport-sector emissions, ...

Interactive Visualization

Tags: emissions



Urban Access to Public Transport - Visualization
2024-10-24

Access to public transport plays a critical role in creating inclusive Access to Public Transport—focuses on how well urban resident social equity, environmental sustainability, and economic oppor

Interactive Visualization

Tags: urban access, cities, public transport, urban centers

AICHI countries - Flood Hazard Analysis

Filter by Economy select | Filter by Sub Region select | Filter by Income Group select

Reset | About | How to

Layers:

- AICHI countries Main Roads Flood Hazard Exposure
- AICHI countries Flood Hazard
- AICHI countries
- Global Layer
- GLOFAS WMS
- WorldPop Total Population 2000-2020 100m
- ESA 2021 World Land Cover

Indicators - per Economy

16 of 21

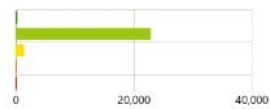
(PHI) Philippines
ADB Subregion: South East Asia
Income group: Lower middle income

Detailed Flood Exposure

- Very Low: 166 km (1%)
- Low: 22,786 km (94%)
- Moderate: 1,305 km (5%)
- High: 36 km (0%)
- Very High: 36 km (0%)

Total exposed length: 24,329 km

Flood Exposure by category in Philippines



Visual comparison of Flood Exposure by category.

National Exposure - Climate Scenarios for Roads & Rails

National Indices

Loss - of Infrastructure; exposed Population

Searches for a detailed description of indicators and sources refer to the left sidebar or go to <https://asiatransportobservatory.org/ind/>

Economy	Very Low [km]	Low [km]	Moderate [km]	High [km]	Very High [km]
Afghanistan	7,252	492	1	0	0
Bangladesh	0	9,199	1,588	53	34
Bhutan	733	831	0	0	0
Brunei Darussalam	0	19	667	0	0
Cambodia	1	5,826	160	7	7
India	10,821	344,038	7,955	261	131
Total	400,390	811,657	27,437	1,923	519

Detailed Flood Exposure | National Exposure (Climate Scenarios) | National Indices | Loss (Infrastructure, people)

4 | Indicators - per Economy

What's your vision for a good outcome? how should transport data work in your context?

Credible and transparent

Comprehensive and multi-dimensional

Contextualized

Accessible and usable

Enables collaboration

Grounded and purposive



asiantransportobservatory.org

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

ATO Team	info@asiantransportobservatory.org
Jamie Leather	jleather@adb.org
Andres Pizarro	andres.pizarro@aiib.org
Manuel Benard	manuel.benard@aiib.org
Alvin Mejia	alvinmejia@asiantransportobservatory.org
Sudhir Gota	sudhirgota@asiantransportobservatory.org
Mel Francis Eden	meleden@asiantransportobservatory.org
Adwait Limaye	adwait@asiantransportobservatory.org
Benjamin Soco	benjaminsoco@asiantransportobservatory.org