



Tracking Progress, Shaping Policies and Investments

THE ASIAN TRANSPORT OBSERVATORY APPROACH

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Co-Team Lead

Monitoring and Tracking for the UN Decade
of Sustainable Transport Workshop
February 2026

Lessons & Lemons from Past Transport Monitoring Initiatives

Between 2000 to 2020, Asia's transport infrastructure investment was about **750 billion** USD annually

Between 2020-2035, the requirement is about **2.7 trillion** USD annually



Working Paper: Consultation Draft

Energy Efficiency and Climate Change Considerations for On-road Transport in Asia

May 19, 2006

This working paper was prepared under TA 10261 (REG) - Energy Efficiency Initiative Consultation Workshop: Transport, Energy Efficiency and Climate Change by John Rogers (Rogers@adb.org) with contributions from Jerome Weigelt, Corine Huizenga and Corine Huizenga and other members of ADB's Board of Directors. Comments may be submitted to Corine Huizenga (huizengac@adb.org) by 8 June 2006.



ADB Sustainable Development Working Paper Series



Transport and Carbon Dioxide Emissions: Forecasts, Options Analysis, and Evaluation

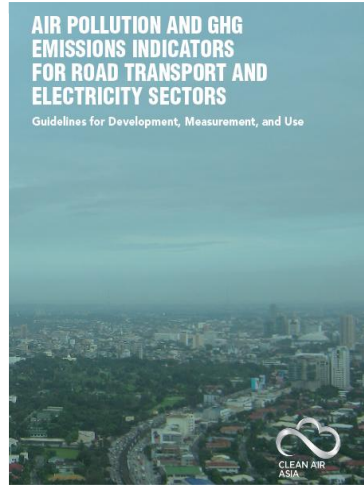
Lee Schipper, Herbert Fabian, and James Leather No. 9 | December 2009



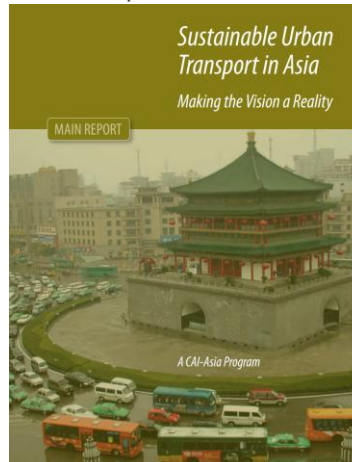
Technical Assistance Report

Project Number: 41270-01
Research and Development Technical Assistance (RDTA)
July 2009

Sustainable Fuel Partnership Study:
Exploring an Innovative Market Scheme to Advance Sustainable Transport and Fuel Security
(Cofinanced by the Government of Austria)



Asian Development Bank



Asian Development Bank

Planning Meeting, Global Transport Intelligence (GTI) Initiative

2 May 2011 @ 9:00 am

Agenda including links to the presentations held at the event:

- 09:00 - 09:10 Welcome remarks IEA and SLU/CAI Partnership
- 09:10 - 09:15 Objectives of the meeting - Corine Huizenga
- 09:15 - 11:30 Presentations (potential) GTI partners on current and future transport data activities:
 - Asian Development Bank (represented by Corine Huizenga)
 - Andean Development Bank, Jorge Kogan
 - German Development Cooperation, Manfred Breithaupt
 - International Association of Public Transport, Jerome Pourbaix
 - International Energy Agency, Jean-Yves Garnier and Lew Fulton
 - Inter-American Development Bank, Rodolfo Huid
 - International Road Federation, Sibylle Rupprecht
 - International Transport Forum, Mario Baretto



Transport DataBank Model
USER GUIDE
Version 1.0a 2016

This document provides guidance on how to use the Transport DataBank Model, as part of the outputs under a Technical Assistance of the Asian Development Bank.
Technical Assistance 1046 (REG)
Implementation of Sustainable Transport in Asia and the Pacific
Better Transport Data for Sustainable Transport Policies and Investment Planning (Subproject 1)
Improving the Availability and Quality of Transport Data in the DACs (45109-001)

UNITED NATIONS
CENTRE FOR REGIONAL DEVELOPMENT

In collaboration with

Ministry of Urban Development, Government of India
World Health Organization South-East Asia Regional Office (WHOSEARO)
Ministry of the Environment, Government of Japan

SIXTH REGIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST) FORUM IN ASIA, 4-6 DECEMBER 2011, NEW DELHI, INDIA

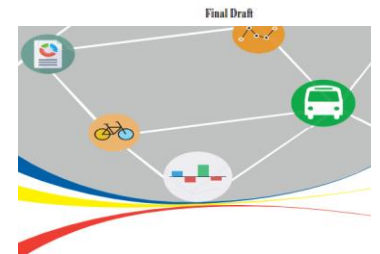
in conjunction with Urban Mobility India 2011

under the

Conference cum Exhibition on Sustainable Mobility, 3-6 December 2011

DATA AND INDICATORS FOR ENVIRONMENTALLY SUSTAINABLE TRANSPORT UNDER THE BANGKOK 2009 DECLARATION

(EST Session 1 of the Provisional Programme)

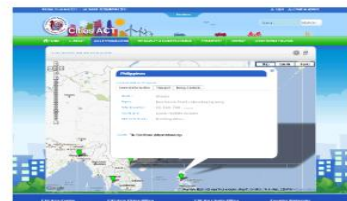


SUSTAINABLE LAND TRANSPORT INDICATORS ON ENERGY EFFICIENCY AND GREENHOUSE GAS EMISSIONS IN ASEAN GUIDELINES



air quality, climate change & energy, transport.
CitiesACT

CitiesACT is an online database that on Air Quality, Climate Change & Energy



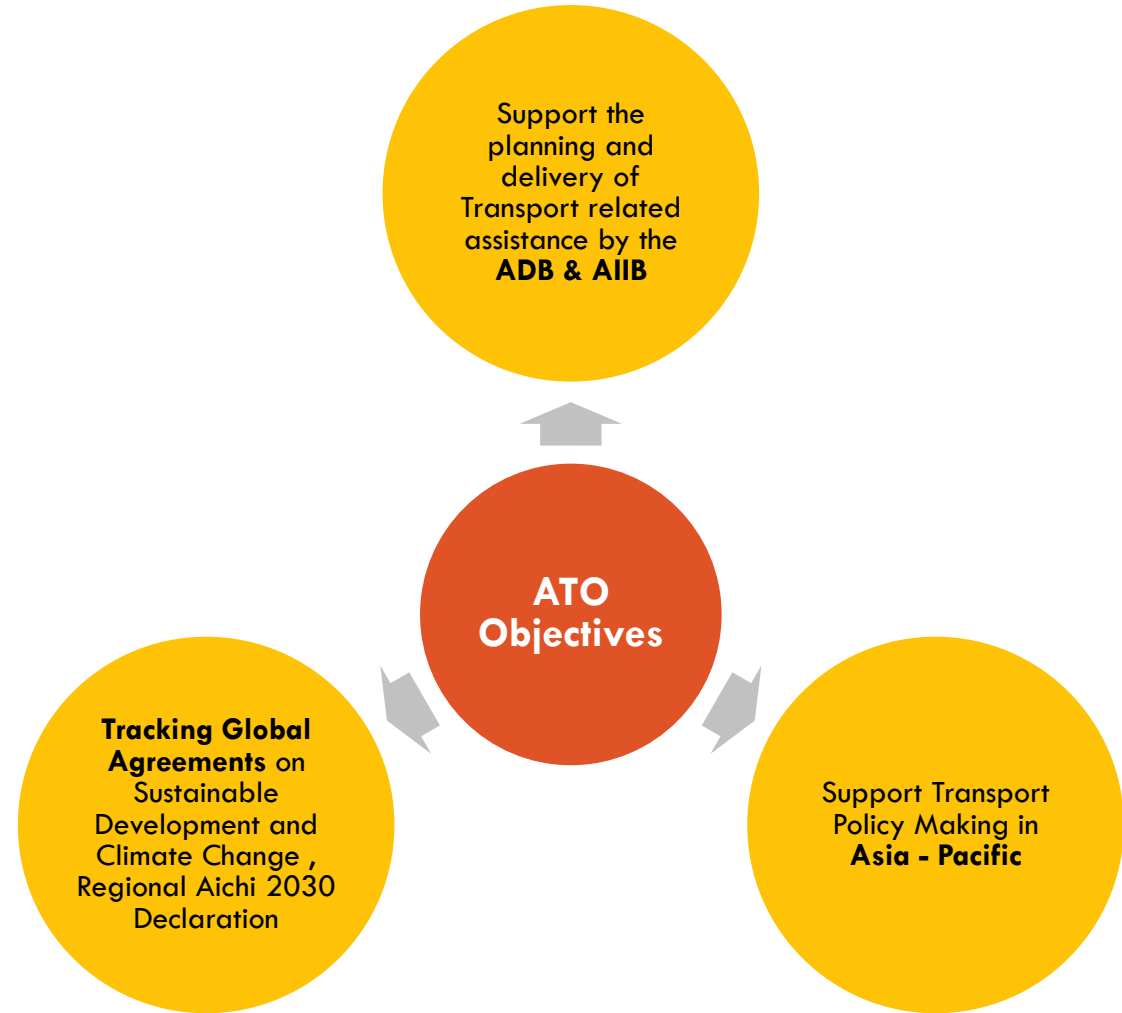
Asian Transport Observatory (ATO): A Catalyst for Sustainable Transport in Asia



52 Economies (ADB Members + Iran and Russia)

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

50 Urban Centers with a detailed review



What makes ATO unique?

AVOID

Data Distortion and Maintain Monitoring Integrity

SHIFT

Focus to Comprehensive Measurement and Strategic Context

IMPROVE

Storytelling, Capacities, and Partnerships

FINANCE

Adequate and Flexible Funding for Evolution



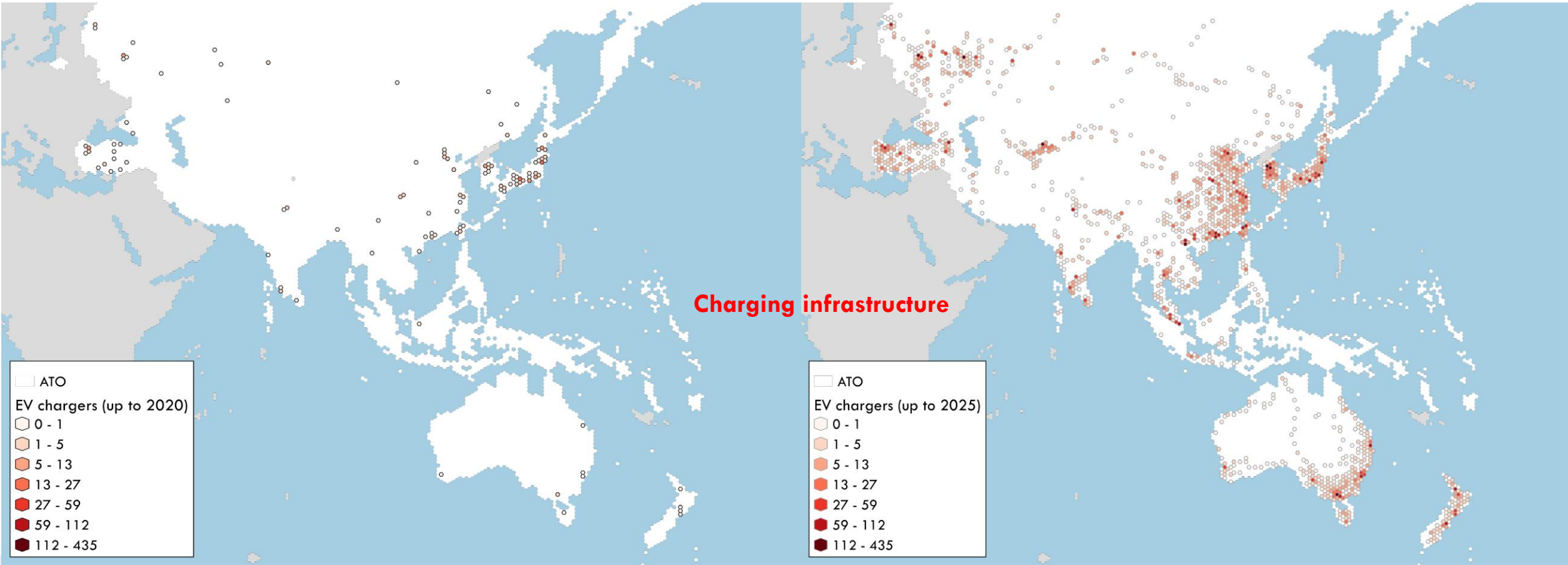
Download the
report here



Use "Open data"

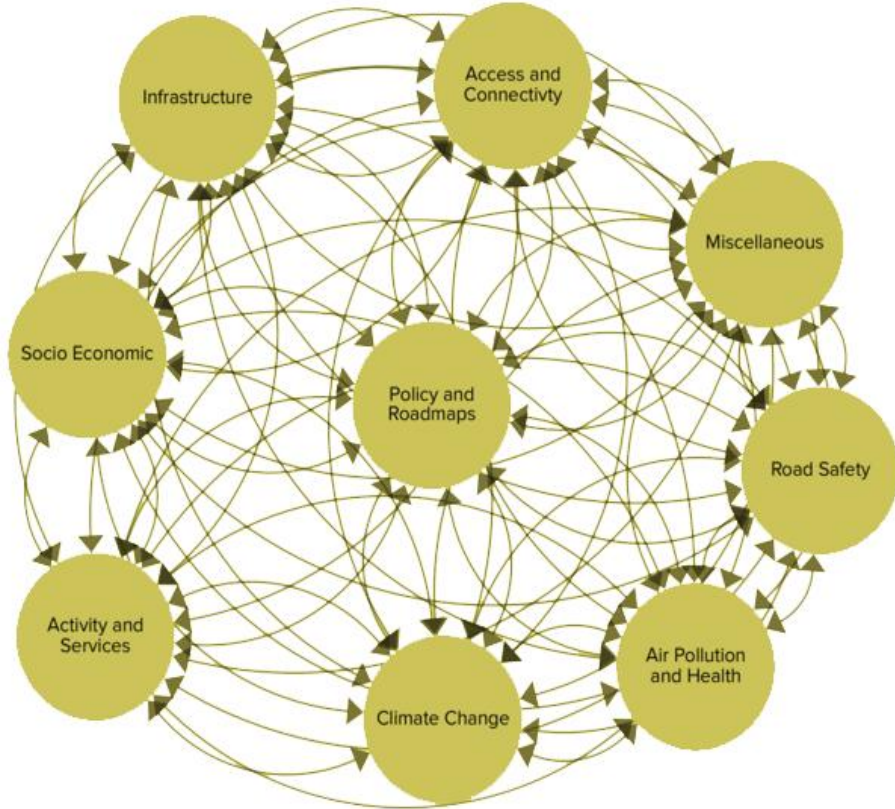
507 **National** Indicators from **136** Sources
 16% from Official Sources
 27% indicators have multiple sources
 57% have multiple years

324 **Urban** Indicators from **63** Sources
 30% from Official Sources
 35% indicators have multiple sources
 69% have multiple years

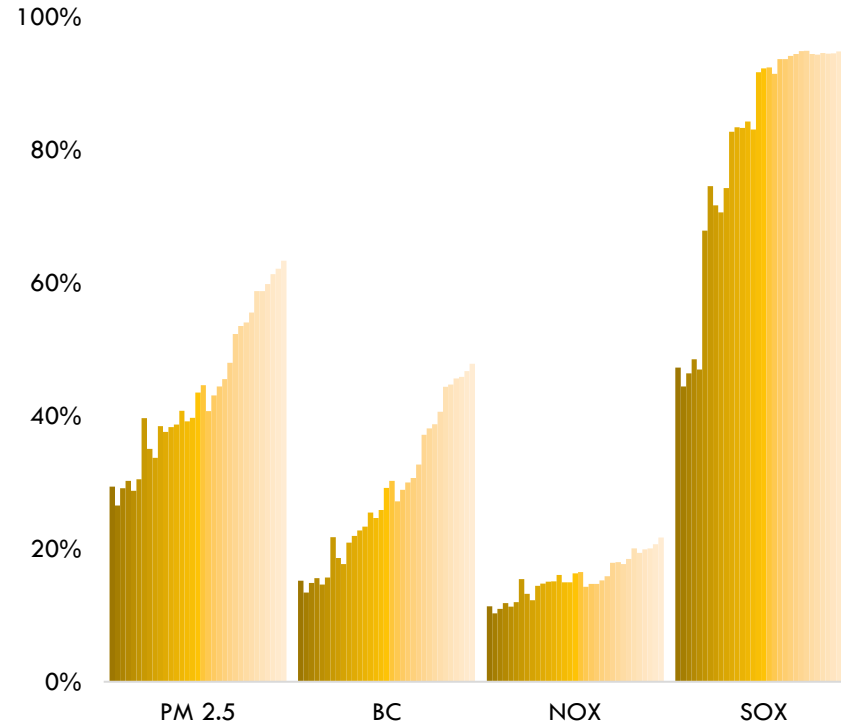


Shift: Comprehensive Measurement

Not just what's happening, but **WHY**



ATO Dimensions - Encompassing the Full Spectrum of Progress and Challenges Facing the Transport Sector in Asia and the Pacific



Domestic shipping share in domestic transport air pollutants
ATO visualization based on EDGAR (2024)

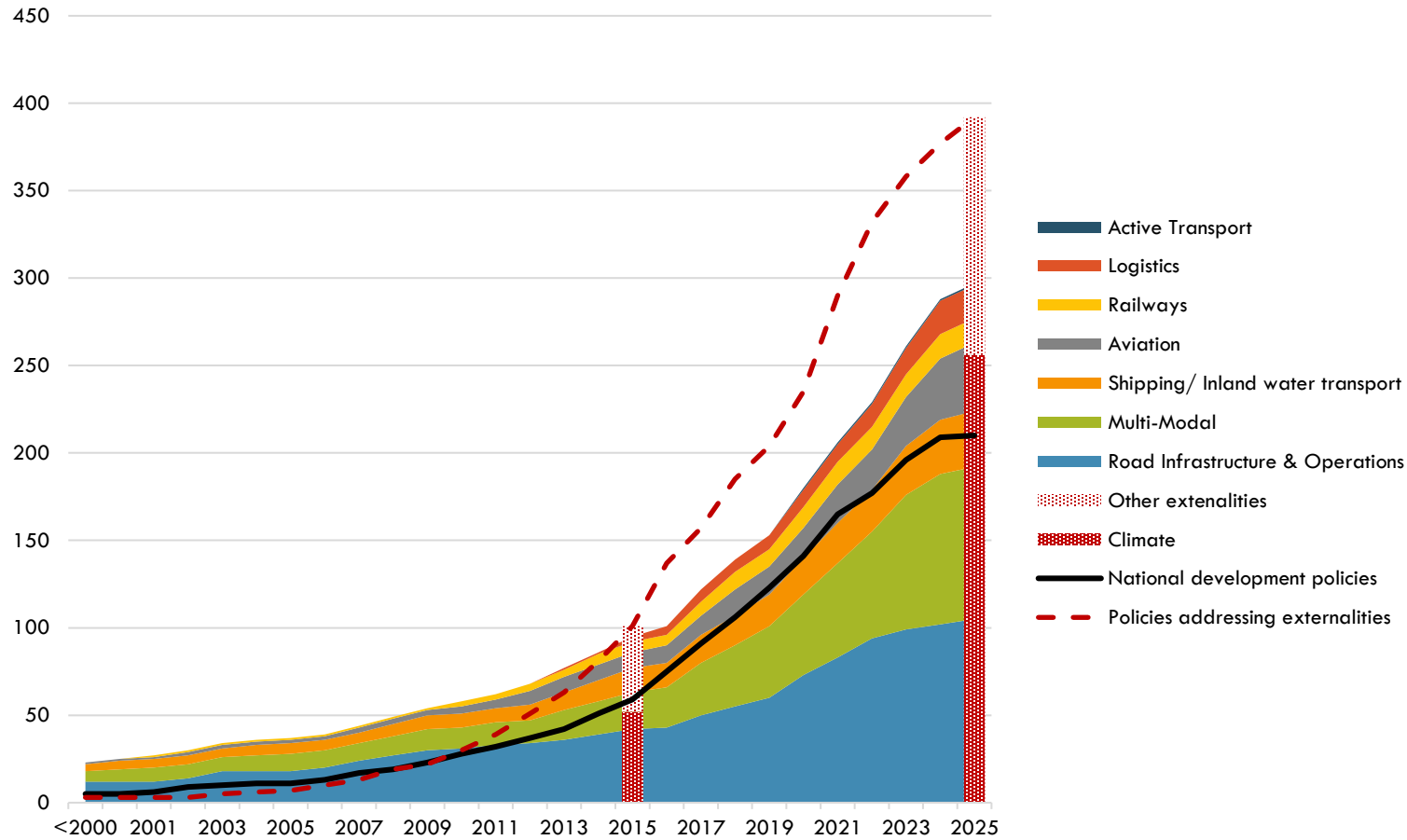


Filename: Maritime_Asia_Pacific_20250902.pdf
Filesize: 2.0 MB
Downloads: 3433

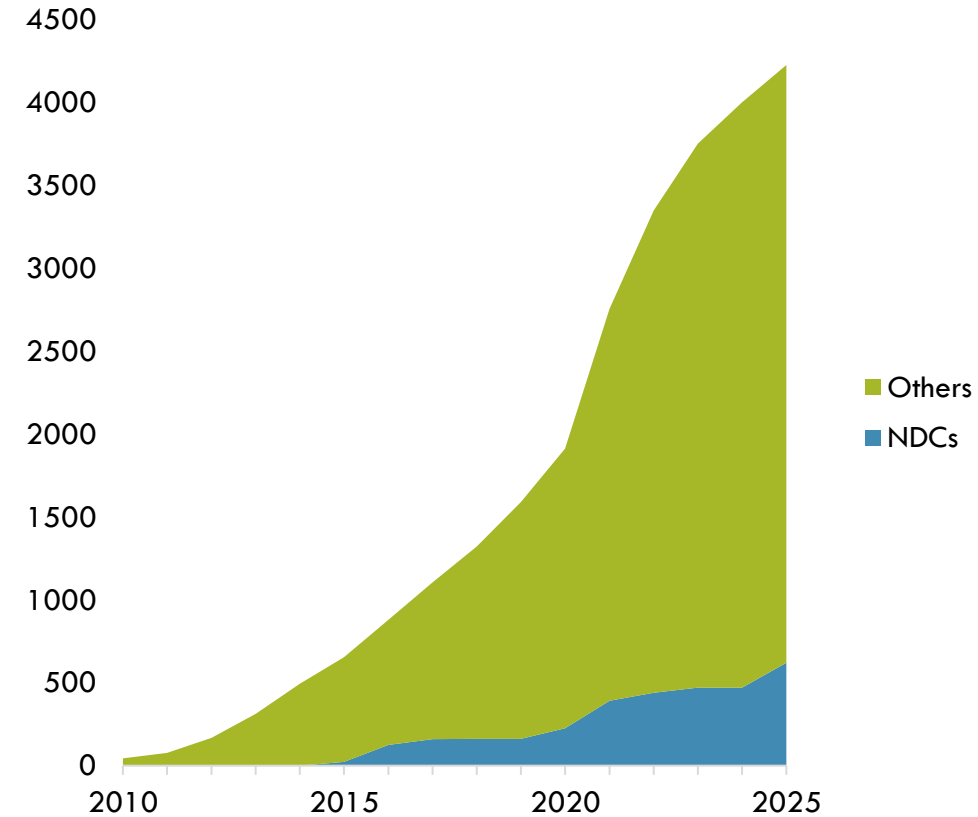
Metadata

Shift: Data and Policies

Distribution of Transport Policy and Related Documents by Focus Area



Climate change related transport measures within NDCs vs. other documents



For a sample of 44 countries

1,255+ policy documents

~ 30 documents per country

13,500+ policy measures

~ 300 policy measures per country

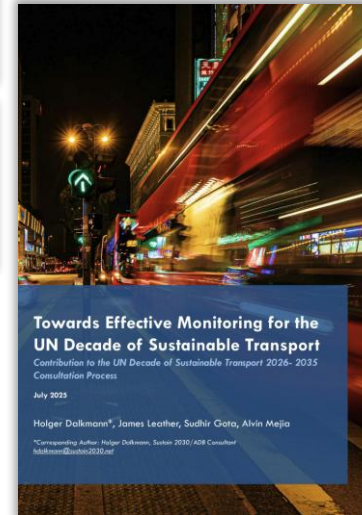
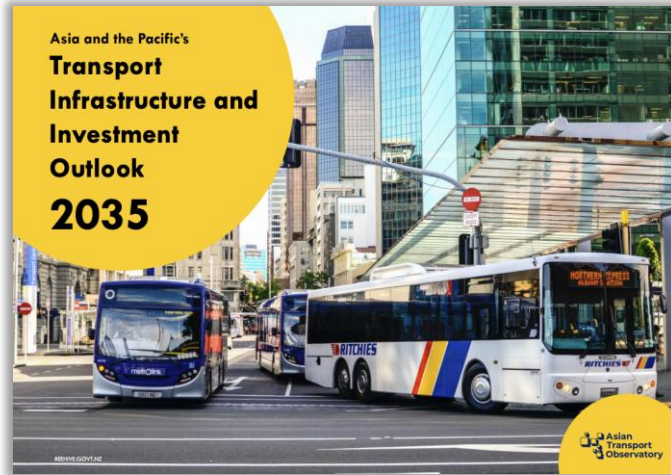
1,530+ targets

~ 35 targets per country

Improve : Storytelling, "Monitoring" starts after making data accessible

27

Knowledge Products created



Interactive Country Profiles

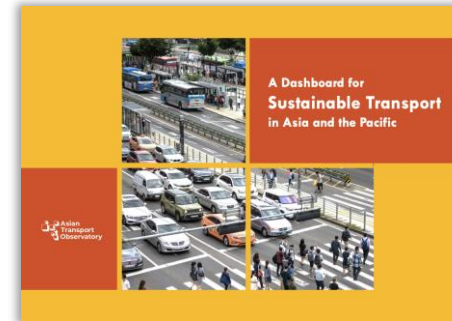
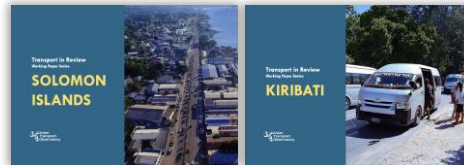
- Green Roads
- Transport and Climate Change
- Road safety
- Upcoming: Air Pollution, Aviation



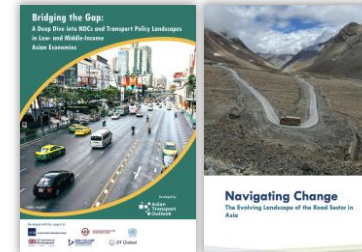
173

Country Profiles created under 7 categories

TRANSPORT IN REVIEW Working Paper Series



Upcoming: Fiji, Papua New Guinea, ...



30

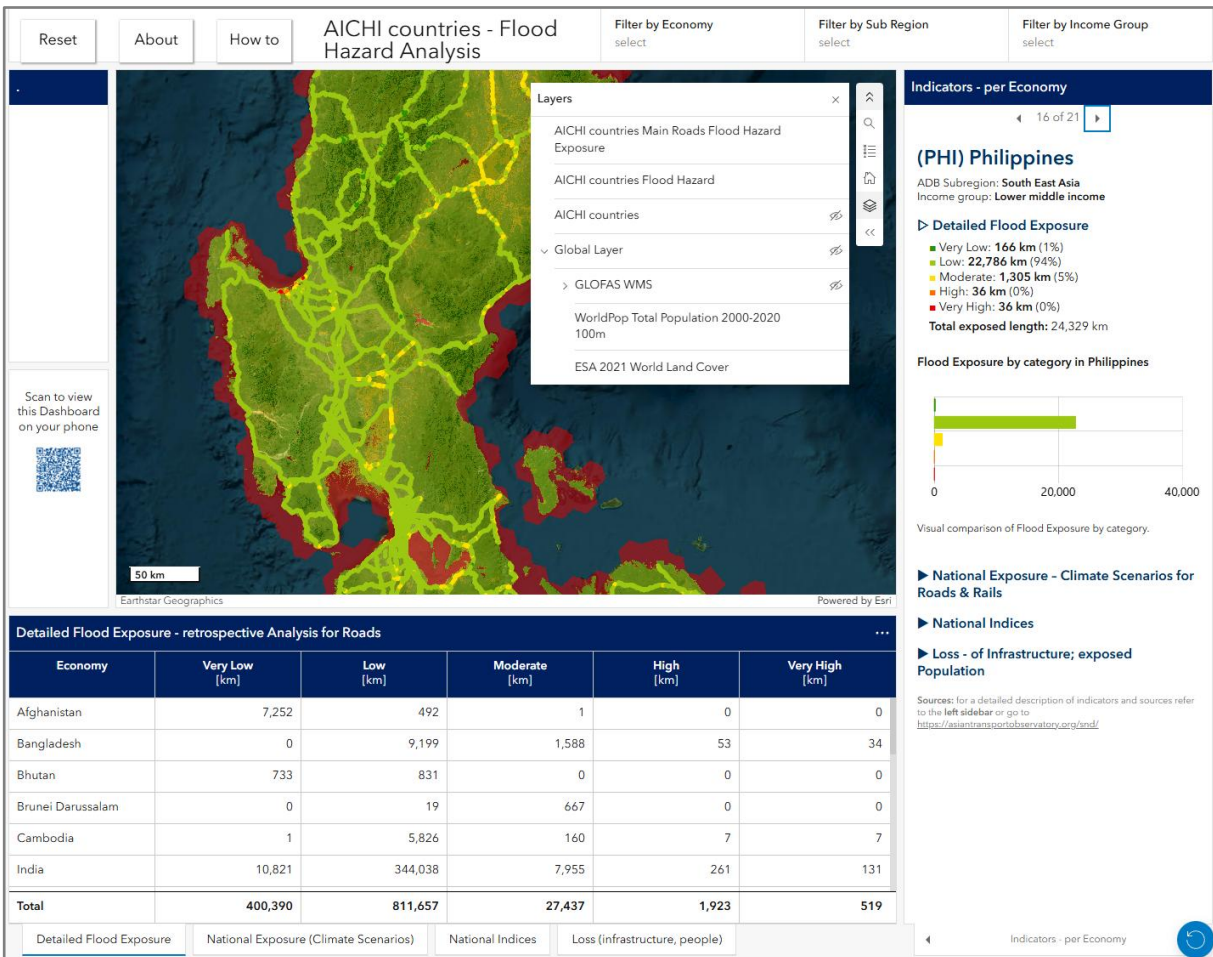
Interactive Visualizations created

400+

Citations (in Phase 3)

Improve: Outreach, Capacity Building, and Impact – with Partnerships

Flood Exposure of Road Assets in Countries Supporting the Aichi Declaration 2030



50+

Presentations made in last 2 years

30+

Collaborators

40+

Events participated in last 2 years

100+

Consultations with organisations

15+

Number of countries presented in

6,000+

Stakeholders connected

400+

Citations

~120

Visitors/day - Website

Improve: Data Validation

MDB Country Focal Points/Offices

UNCRD Aichi Declaration

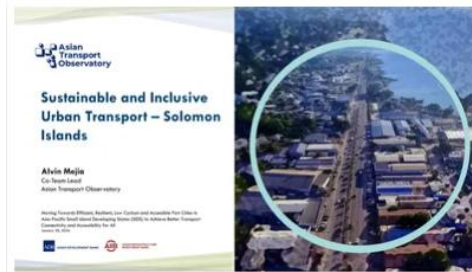
- Aichi Profiles, Country Reports
- Background Papers

Local Partnerships

- SOTEN

Regional Partnerships

- APRSO Road Safety Profiles
- UNESCAP Working Groups
- International Partners (IRF,.....)



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

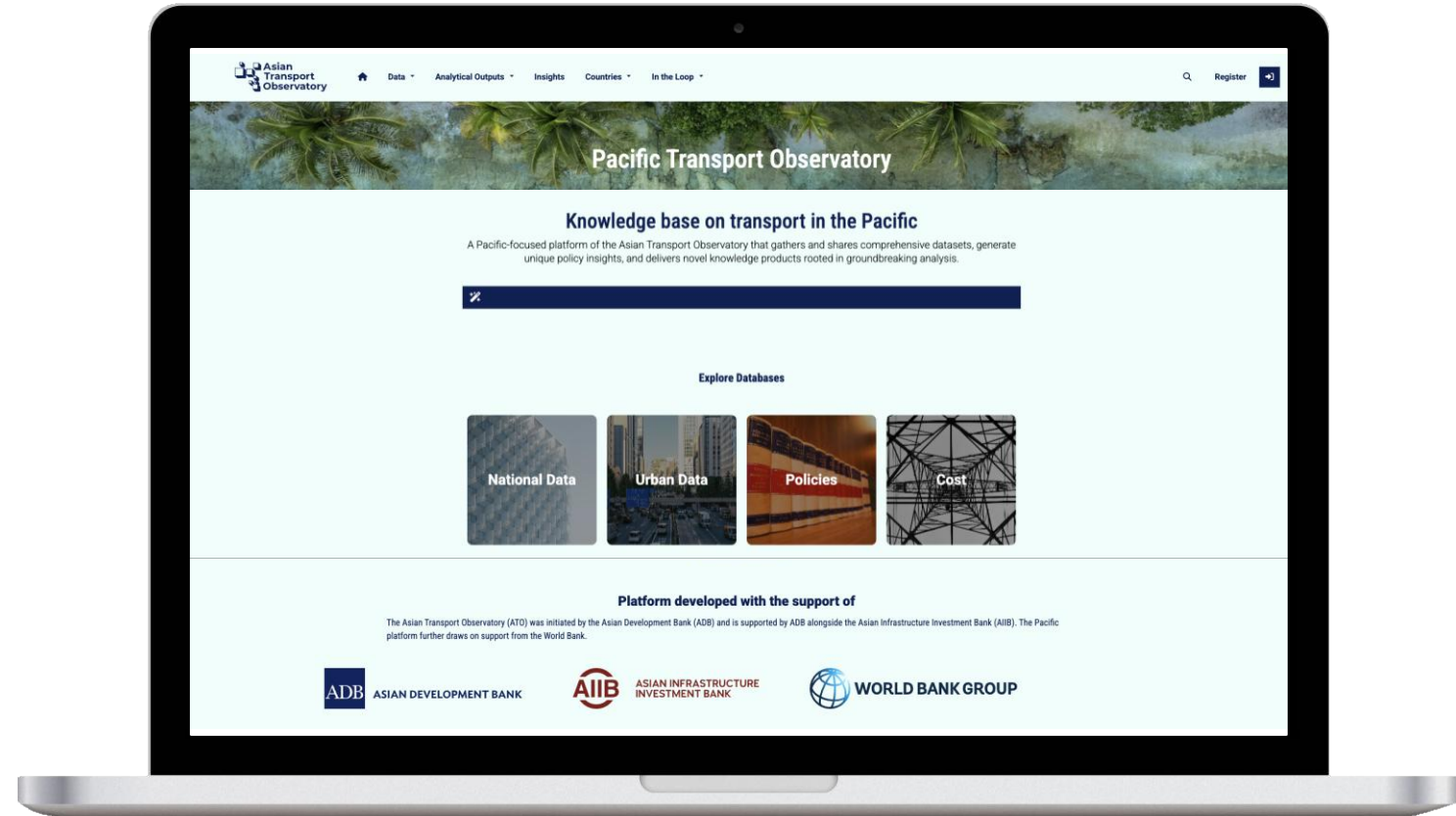
2025-05-12
📍 Tokyo, Japan

Make Finance Flexible



F1 - Allocate adequate, flexible funding for transport monitoring

- Strengthen collaboration across regional and national partners
- Improve data collection, analysis, and sharing through partnerships
- Expand collective analytical capacity via partnerships



asiantransportobservatory.org

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

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