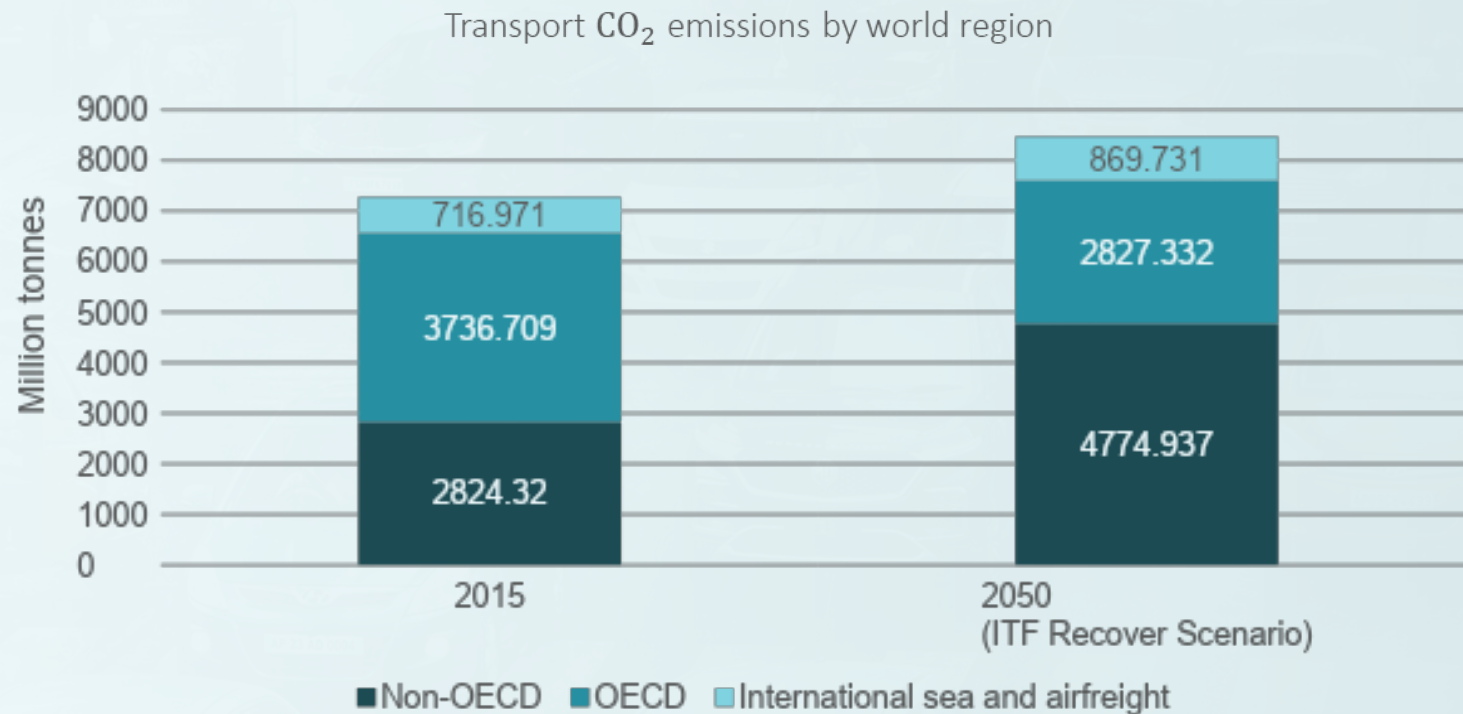




# Transport Data Commons Initiative

Making high quality transport data accessible

# Transport greenhouse gas emissions in developing countries will grow drastically, better data is urgently needed.



Source: own calculations based on ITF Transport Outlook 2021: 70



# Everybody needs, uses and collects data, but no one shares them in a commonly known and accessible place.



# Why do we need a global transport database?

"Having big amounts of raw data available would be an ideal situation to improve our model (...). The more data we have, the better!"

*(Researcher, University)*

"For me, having data available in this format (...) would save me three months of work"

*(Consultant, NGO)*



"If I need something, I have to ask around. If I am lucky, someone remembers when we did data collection work and where we stored the files.."

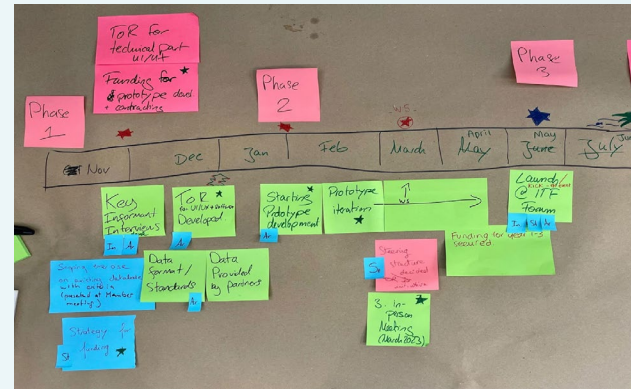
*(Senior Transport Officer, Development Bank)*



The *Transport Data Commons* and the *Transport Data commons Initiative* was the main outcome of a co-creation workshop back-to-back of ITF 2022 ...





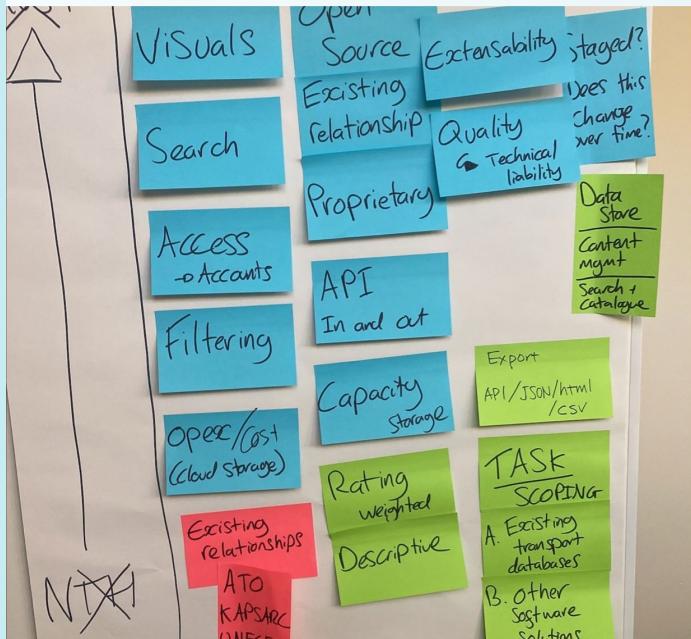


..and continues growing  
2nd in-person workshop  
in Oxford:



Discussing, deciding and  
refining together on

- ✓ Data indicators
- ✓ User groups
- ✓ Costs requirements of prototype (short-term goal)
- ✓ Costs and requirements for database (long-term goal)
- ✓ Organisational structure



We are already a large number of organisations at Transport Data Commons. It is still possible to join and bring in your ideas.

**KFW**

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

**RICARDO**



**ITS UCDAVIS** Institute of Transportation Studies



**ADB**



**CAF**  
BANCO DE DESARROLLO DE AMÉRICA LATINA



**icct**  
THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION



**LOCAT** Partnership





# Mid Term Goal (May 2023)

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**The Transport Data Commons have been formally established as a global multi-stakeholder initiative for collecting, exchanging and disseminating transport (and climate)\* data.**

## **Indicator for success**

1. Several stakeholders (formally) committed to contribute to the initiative (e.g. through in kind or funding)
2. Funding for the endeavor is secured from multiple donors, ideally for 3 years (commitment from funders)

## **Deliverables**

1. Terms of Reference (ToR) for the initiative describe the institutional setting.
2. (Formal) Agreements with other initiatives, public or private data publishers/owners are prearranged.
3. A white paper describes user stories and requirements
4. Prototype or mock-up demonstrates the benefit of the database for its potential users
5. Outreach material is available to communicate the endeavor to potential members and donors

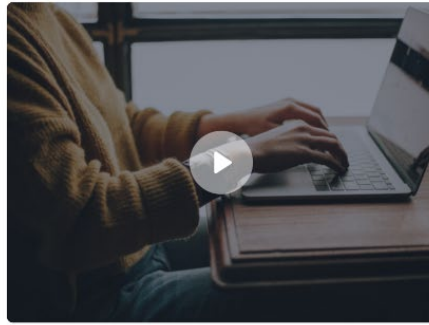


# Making high quality transport data accessible

Transport Data Commons aims to improve access, sharing, and analysing transportation data for a more sustainable future.

Find statistics, forecasts & studies

Search



## Open Data

TDC enables cross-sector collaboration by allowing organisations to share and access transportation-related data.

## Data provision

TDC supports data providers with technical knowledge and ensures data security.

## Data standardisation

TDC provides SDMX standardised data sets for transport, including transparent metadata.



## TDC Road Passenger Transport Activity

TDC Harmonised

This dataset and documentation contains detailed information on passenger activity the world, a harmonised and up to date transport data set of historical values, 1990 - 2022.

TDC Updated 23 March 2023 1700+ Downloads

Overview Dataset Metadata Discussions Downloads Contact

Table Line chart Bar chart Map Download Export Formatting

Series: 2021 Hide empty set values



In: Asia passenger transport activity

Search

Quick filters: Sector: All Mode: All Service: All Region: Asia

Sort by: Relevance

Filters 1 filter • Showing 56 results Clear all

Search

Keyword All

Location Region: Asia

Years covered All

Format All

Organisation All

Publication date All

Archived Without archived

### TDC Road Passenger Transport Activity

Transport Activity

TDC Updated on 23.03.2023 Updated annually Worldwide

TDC Harmonised

### ADB Asian Transport Outlook Database

Transport Activity

+12 more

ADB Updated on 23.03.2023 Updated annually Asia

TDC Formatted

### Transport performance indicators

Transport Activity

Mobility Analytics

OECD Published on 28.02.2023 Worldwide

### Parking Availability Data

Transport Activity

Parking

OECD Published on 28.02.2023 Worldwide

### Origin-Destination (O-D) Data For 5 major cities in South America

Transport Activity

Transportation Behaviour

OECD Published on 28.02.2023 Worldwide

# Draft Mock-Up of TDC

General Metadata Upload files

## Add general info about your dataset

General Info

Title...

Write a short description of this dataset...

Are you or the organisation you represent the owner of the data?

Yes No

Keywords (max. 3)

+ Add a keyword

By uploading your data you agree that Transport Data Commons can modify it. Read more in Terms of Use and Privacy Policy.

Next

## Before you add data.

Please make sure you familiarised yourself with our data submission guidelines to ensure that your data meets our quality standards and is properly formatted. This will help ensure that your data is accurately represented and can be effectively used by TDC users.

- TDC Data submission guidelines (2023 edition)
- SDMX 3.0 Technical Specifications
- How this data will be used?
- Step by step guide to TDC data submission

In the mid-term, resources to operate the data sharing platform will be needed.

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- We have in kind contributions from partners (staff time / server infrastructure / and datasets).
- We are looking for partners who can contribute to the joint data platform and who want to contribute towards data provision or funding to ensure sound data management.
- Additional funding for data collection in developing countries would be beneficial.
- Currently we explore a multi-donor approach to finance the database.



# Working Groups

Group	Function	Main Goal until May 2022
Strategy	Partner management, Preparation of strategic decisions	Secure funding for the Transport Data Commons Initiative for the next 3 years
Architecture	Design of the data architecture and technical product definition	Develop a functional Mock-Up prototype (proof of concept)
Insights	User & market research and translation into product features	Map existing databases, data sources, user needs, and key stakeholders and translated into requirements



Thank you!