



TRANSPORT  
DECARBONISATION  
ALLIANCE



# 2022 ANNUAL REPORT



[www.tda-mobility.org](http://www.tda-mobility.org)



[tdasecretariat@tda-mobility.org](mailto:tdasecretariat@tda-mobility.org)



[@tdamobility](https://twitter.com/tdamobility)



Transport Decarbonisation Alliance



## The TDA Approach

A Coalition of the Willing to Decarbonise Transport

Established in 2018, the Transport Decarbonisation Alliance (TDA) is a collaboration of countries, cities, regions, and companies to accelerate the worldwide transformation to net-zero-emission mobility before 2050.

TDA members recognised that they cannot solve the complex challenge of building a cleaner global transport system individually. The enormity of the challenge and the urgency of the climate crisis requires unprecedented cooperation across stakeholders, jurisdictions, and sectors.

As a global network of public and private sector leaders, the TDA convenes a novel combination of talent, knowledge, and resources. This allows the TDA to serve as a nimble platform for members to collectively adapt to emerging opportunities and challenges across the entire transport system.

The TDA is part of the 12 commitments made at the One Planet Summit hosted by President Emmanuel Macron in Paris, France in December 2017. For more information, please visit the TDA website and the One Planet Summit website.



## Three Areas of Value for Members



**CUTTING EDGE** Lead the incubation and/or launch of new approaches that match your priorities. Be at the table to ensure the design of new solutions and thought leadership is relevant to you.



**GLOBAL STAGE** Have access to global events with the opportunity to showcase your successes. Build up your work with TDA's respected global brand to drive both local ambition and the global agenda.



**PEER-TO-PEER** Participate in or co-host networking and knowledge sharing opportunities. Exclusive in-person events designed to address you.



**Brochure & Work Plan 2022**



**Governance Paper**



**Manifesto**



## Table of Contents

<b>Foreword by TDA Chair</b>	<b>4</b>
<b>Presidency Team</b>	<b>5</b>
<b>2022 at a Glance</b>	<b>6</b>
<b>2022 Work Plan Highlights</b>	<b>7</b>
<b>Communications and Outreach</b>	<b>10</b>
<b>Secretariat Team</b>	<b>13</b>

## Foreword



## Ms. Liane M. Randolph

Chair, Transport Decarbonisation Alliance (TDA)  
Chair, California Air Resources Board (CARB)

Dear TDA Community,

In the second year of California's Presidency of the Transport Decarbonisation Alliance (TDA), I am pleased to share our 2022 Annual Report. Throughout the year and across multiple global forums, TDA facilitated collaboration among countries, cities, regions, and companies, raising up members and their collective work to accelerate the transition towards equitable, zero-emission transport systems. The key points of progress and stories of member impact remind us of all that we have accomplished as we emerge from the global pandemic. Some of the top TDA milestones and achievements, include:

- Welcoming Washington State, USA as the newest TDA Member.
- Launch of the Call to Action to Support Active Mobility Capacity Building: An initiative that calls on all parties to the United Nations Framework Convention on Climate Change (UNFCCC) and global financial institutions to invest \$100 million in training 10000 professionals in the planning, design, operations and promotion of walking and cycling to incentivise the adoption of sustainable mobility practices and work for active mobility to be further enabled.
- A strong TDA presence at the 27th UN Climate Change Conference of the Parties - COP27 with the coordination of a Press Conference and 5 events on transport decarbonisation topics.
- Launch of the joint brief, 'Case Studies: Deploying Zero - Emission Vehicle Infrastructure Innovation to Accelerate Transportation Decarbonisation' with the Center for Law, Energy and the Environment, University of California, Berkeley.
- Strengthened relationships among TDA academic partners, which led to the inclusion of the TDA Training Program on Transport Decarbonisation in the 'Course on Decarbonisation of Freight Transport and Supply Chain' by the Tecnológico de Estudios Superiores de Cuautitlán Izcalli (TECSI).
- Mentions in international media, including Forbes, Legal Planet, Portal Movilidad España and Southern California's KPCC AirTalk.
- In-person networking, relationship building, and best practice sharing for TDA members at the TDA Annual Meeting 2022.
- Enhanced TDA involvement at multiple key international events (including Transforming Transportation 2022, Middle East and Northern Africa (MENA) Climate Week 2022, Power Summit 2022, International Transport Forum (ITF) Summit 2022, Transport Ireland 2022, World Urban Forum, Climate Innovation Forum, Global Clean Energy Action Forum, London EV Show ).
- Finding new ways to share member achievements and lessons learned by launching the Climate Break Podcast and regular Newsletter communications.

We want to thank all members of our Alliance for your leadership this past year. The goals you have set, the policies you adopt and support, and the actions you take to scale implementation - collectively, TDA members are moving the needle.

Yet, while 2022 was a fruitful year for our organisation and momentum for decarbonisation of transport has gained increasing traction in recent years, TDA members know that we are still far from keeping warming below 1.5 degrees Celsius. Our partnership will be crucial to accelerating the global transformation of the transport sector toward a net-zero-emission mobility system by 2050. We have an opportunity to keep the Paris Agreement goals within reach and in so doing we can together reap the benefits of cleaner air, jobs, and economic growth. As a global network of public and private clean transport leaders, TDA members are uniquely positioned to work together to increase our ambition and accelerate the implementation of what works.

Congratulations on your work in 2022, we look forward to accelerating our momentum in 2023.



## Presidency Team



**Ms. Liane Randolph - TDA Chair**  
Chair, California Air Resources Board (CARB)



**Dr. Sydney Vergis**  
Division Chief  
CARB



**Dr. Michelle Buffington**  
Vehicle Program Specialist  
CARB



**Dr. Bill Robertson**  
Vehicle Program Specialist  
CARB



**Ms. Sarah Jo Szambelan**  
International Liaison  
CARB



**Ms. Hayley Pechner**  
Air Resource Technician II  
CARB

## University of California Support Team



**Dr. Ethan Elkind**  
Director, Climate Program,  
Center for Law, Energy & the  
Environment (CLEE)



**Dr. Lewis Fulton**  
Director, STEPS Program, Institute of  
Transportation Studies UC Davis



**Ms. Shruti Sarode**  
Climate Change Research Fellow  
University of California, Berkeley



**Dr. Marshall Miller**  
Senior Development Engineer  
UC Davis

## TDA's Annual Meeting

The TDA Presidency convened the **Annual Meeting** on 6-9 June in Los Angeles, **California**, USA. The four-day event was opened by TDA Chair, Ms. Liane Randolph, followed by **presentations** by TDA members and partners in which they shared their transport decarbonisation efforts and achievements.

Participants shared their transport decarbonisation successes and challenges, discussed plans for the **TDA Communities of Interests (Cols)**, and reviewed governance and financial matters. Attendants enjoyed access to the **Zero-Emission Truck Showcase + Ride and Drive** and an introduction to **BlueLA**, a carshare project developed in Los Angeles.

### Active Mobility

- Call to Action to Support Active Mobility Capacity Building.
- Press Conference on transport decarbonisation momentum and enhancement of Active Mobility efforts at UN Climate Change Conference COP27.
- Roundtable on Road Transport at the Climate Innovation Forum.

### Charging Infrastructure

- Case Studies: Deploying Zero-Emission Vehicle Infrastructure Innovation to Accelerate Transportation Decarbonisation.
- Session on Charging Infrastructure deployment for zero-emission trucks at UN Climate Change Conference COP27.

### Electrification of Trucks and Heavy Duty Vehicles

- Session on policy approaches, key next steps, and potential challenges for countries, cities and regions looking to drive decarbonisation in Urban Freight and charging Infrastructure for ZE-MHDVs at UN Climate Change Conference COP27.
- Workshop on the electrification of trucks at the Global Clean Energy Action Forum (GCEAF).
- Session on Zero-Emission Truck Policies at the London EV Show.
- Side event on zero-emission truck implementation at the International Transport Forum Summit (ITF) 2022.
- Session on how to achieve zero emission Urban Freight at Transport Ireland 2022.
- Participation in the session on Urban Freight at Transforming Transportation 2022.

### Public Transport Decarbonisation and Urban Mobility

- Symposium on low and zero emissions transport in the Middle East and Northern Africa (MENA) Region at MENA Climate Week 2022.

### Transport Decarbonisation Training

- Implementation of TDA's Training Program on Transport Decarbonisation within the syllabus of the University Programme Decarbonisation of Freight Transport and Supply Chain at Tecnológico de Estudios Superiores de Cuautitlán Izcalli (TESCI).

### Membership Expansion, Engagement and Partnership

- Washington State, USA joined the TDA
- Communications and promotion partnership with Power Summit 2022.
- TDA Annual Meeting 2022 in Los Angeles, California, USA.

### Communications and Outreach

- Climate Break Podcasts with TDA Members.
- Increase in social media engagement, website traffic and newsletter audience.
- Recognition of TDA efforts by international media.



# 2022 Work Plan Highlights

## Growing Membership



### Washington Joins the TDA



From left to right Mr. Jay Inslee, Governor, Washington State, USA, Ms. Eloyse Gomez Reyes, Assemblywoman, California, USA, Mr. George Heyman, Minister of Environment and Climate Change Strategy, British Columbia, Canada and Mr. Lennart Nout, Manager of International Strategy, Mobycon

## TDA Members and Partners (in alphabetical order)

<https://tda-mobility.org/tda-members/> Members Partners Academic Partners

Alstom  
Brisa  
British Columbia  
C40 Cities  
Cape Verde  
California  
CEiiA  
Costa Rica  
EDP  
France  
Gaia  
International Energy Agency (IEA)  
International Transform Forum (ITF)  
Itaipu  
Luxembourg  
Lille Métropole  
Maputo  
Matosinhos  
Michelin  
Mobycon

MOVIN'ON  
The Institute for Sustainable Development and International Relations (IDDRI)  
The Netherlands  
Paris Process on Mobility and Climate (PPMC)  
Porto  
Portugal  
Quelimane  
Rotterdam  
Scotland  
SLOCAT Partnership  
Smart Freight Centre (SFC)  
Tecnológico de Estudios Superiores de Cuautitlán  
Izcalli (TESCI)  
Tevva  
Uruguay  
Washington  
World Business Council For Sustainable Development (WBCSD)



# Scaling up Advocacy Impact and Knowledge Across Working Streams

The TDA working streams or Communities of Interest bring TDA members, partners, and stakeholders together around priority transport decarbonisation themes to identify challenges, develop and scale solutions, exchange best practices and build relationships.

## Active Mobility

### Strategic Advocacy Product

The Active Mobility Community of Interest recognised that local governments lack the technical expertise to properly plan, design, build, maintain, operate and promote sustainable urban mobility systems to global best practice standards. To remedy this problem, the TDA coordinated a global **Call to Action to Support Active Mobility Capacity Building** by training 10 000 mobility professionals in the next ten years. The Call has 28 signatory organisations worldwide, as of 28 February 2023, and the TDA is facilitating the next steps on implementation to support the development of a pipeline of projects and ensure sustained, high-quality investment in active mobility at a global scale.

For more info about this Active Mobility Call to action visit [www.tda-mobility.org](http://www.tda-mobility.org)

## Charging Infrastructure

### Strategic Advocacy Products

The Charging Infrastructure Community of Interest together with CLEE developed the **TDA Brief Case Studies: Deploying Zero-Emission Vehicle Infrastructure Innovation to Accelerate Transportation Decarbonisation** this document is a companion to the **Zero Emission Vehicles Transition Council (ZEVTC) White Paper: Deploying Charging Infrastructure to Support an Accelerated Transition to Zero-Emission Vehicles**. It highlights case studies of successful electric vehicle charging infrastructure deployment in **British Columbia, California, Costa Rica, Ghana, Portugal, and Rotterdam**.

## Urban Freight

### Strategic Advocacy Products

The Urban Freight Community of Interest conducted an update of the **How-to Guide, Zero-Emission Zones: Don't Wait to Start with Freight!** The new and improved How-to Guide will be officially released at the **International Transport Forum 2023 Summit**.

### Member Education Opportunities

**Sustainable City Logistics | 20 January | Webinar** - A debate on urban changes and innovations worldwide such as e-commerce on carbon assessment and solutions to decarbonise Urban Freight transport.

**Improving Information Provision to Drivers in the Vicinity of Urban Vehicle Access Regulations (UVARs) | 17 February | Webinar** - Discussion on digitising and exchanging data on UVARs across Europe.

### Knowledge Products

**Course on Decarbonisation of Freight Transport and Supply Chain** by the **TECSI**, which includes in its syllabus the **TDA Training Program on Transport Decarbonisation**. This course, which initially will be taught to logistics engineering teachers, seeks to recognise key sustainability information related to transport and logistics with the objective of developing decarbonisation strategies for the logistics sector and supply chain.

## TDA Participation in Global Fora

**Urban Freight: How to Deliver Reduced Carbon Emissions? - Session at Transforming Transportation I 17 February I Brussels, Belgium** - Presentation to highlight the importance of urban Zero Emission Zones as a key tool for reducing emissions, including discussion of the role that companies and cities play in Urban Freight decarbonisation and sustainable mobility.

**Achieving Zero Emission Urban Freight - Session at Transport Ireland 2022 I 16 June I Dublin, Ireland** - Discussion of challenges, best practices, and opportunities for achieving Zero-Emission Urban Freight.

**Roundtable on Road Transport - Side event at the Climate Innovation Forum I 28 June I London, United Kingdom (UK)** - Networking opportunity for transport professionals and a facilitated discussion of priorities for accelerating net-zero trajectories in the road transport sector.

## Structuring Dialogue on Transport Decarbonisation

Throughout 2022, TDA was pleased to join, collaborate on and participate in a number of major global and regional events advocating for sustainable and low-carbon transport.

## Engagement in 2022 UN Climate Change Conference COP27

6-18 November I Sharm El-Sheikh, Egypt

As in previous years, the Alliance had a presence at COP, reaffirming the commitment of members to work together with world leaders to accelerate the decarbonisation of our shared global transport systems. The TDA organised a variety of sessions that brought public and private clean transportation leaders and experts together to identify the next steps, share best practices, and build momentum.

### Press Conference: Building Global Momentum to Decarbonise Transport I 14 November

The TDA co-organised with the **Government of Portugal** a Press Conference where representatives of **British Columbia, California** and **Mobycon** welcomed **Washington State** to the Alliance and highlighted the **TDA Call to Action to Support Active Mobility Capacity Building**.

### Delivering on Transport Decarbonisation: Companies, Countries, Cities and Regions Working Together I 15 November

The TDA collaborated with **We Mean Business**, the **International Transport Forum (ITF)** and **SLOCAT Partnership** to organise the following one day events focused on zero-emission medium- and heavy-duty vehicles (ZE-MHDV)

- **Current State of Play** - Knowledge-exchange session that explored what is needed by 2030 to achieve progress on the ambitions for **ZE-MHDVs** set at **COP26**.
- **Decarbonising Urban Freight** - Policy approaches, key next steps, and potential challenges for countries, cities and regions looking to drive decarbonisation in Urban Freight.
- **Charging Infrastructure for ZE-MHDVs** - Updates on the state of play for medium- and heavy-duty charging infrastructure deployment and the importance of the balance between private and public investment.
  - Check out the TDA brief **Case Studies: Deploying Zero-Emission Vehicle Infrastructure Innovation to Accelerate Transportation Decarbonisation** that was launched at this panel.
- **Accelerating the Ambition Loop in Transport** – Developing Concrete Policy Asks - Raising awareness around the importance of resilient supply chains and how to overcome barriers to ZE-MHDVs.

### Sustainable Transport Reception I 15 November

To foster relationship building, cooperation and knowledge exchange, the TDA partnered with **CALSTART**, **SLOCAT Partnership**, **CLEE**, and **We Mean Business** to host a reception for the transport community.

## Shifting Gears: Accelerating Active Mobility for Future Generations | 17 November

To raise active mobility awareness, the TDA partnered with **The Netherlands, World Resources Institute**, TDA, **European Cyclists' Federation**, **Walk21** and the **Dutch Cycling Embassy** to host a session highlighting active mobility as not only an essential element of decarbonisation but also key to ensuring livable communities, improving public health, and promoting local economic development.

For more info about the Active Mobility Call to Action released at this session refer to the section Scaling up Advocacy, Impact and Knowledge Across Working Streams on page 8 or visit [www.tda-mobility.org](http://www.tda-mobility.org).

## Engagement on the Global Stage

In addition to the events mentioned in the sections above, the alliance participated in a number of international conventions and conferences to engage and align stakeholders.

### MENA Climate Week 2022 | 28 - 31 March | Dubai, United Arab Emirates

- Partnered with the International **Union of Railways (UIC)**, **International Association of Public Transport (UITP)**, and **SLOCAT Partnership** to organise the session **Building the Future of Mobility: The Shift to Sustainable, Low and Zero Emissions Transport in the MENA Region**.

### International Transport Forum Summit 2022 | 18 - 22 May | Leipzig, Germany - Organiser: Morocco, ITF Presidency 2022

- Collaborated with **CALSTART**, the **International Council on Clean Transportation (ICCT)**, the **International ZEV Alliance**, Germany, the **Netherlands** and the **World Business Council for Sustainable Development (WBCSD)** to host the side event **Zero Emission Trucks Are Coming**.

### Power Summit 2022 | 15 - 16 June | Brussels, Belgium - Organiser: Euroelectric

- Communications and promotion partnership with complimentary access for TDA Members.

### Global Clean Energy Action Forum | 22 - 23 September 2022 | Pittsburgh, Pennsylvania, USA - Clean Energy Ministerial

- Collaborated with **ChargePoint**, **Climate Group**, **CALSTART**, **Smart Freight Centre**, **ICCT** and the **WBCSD** to host the side event **Fleets of the future - How Collaboration can support the Electrification of Trucks and Workshop Zero - Emission Trucks are Coming! Let's Charge-Up**.

### London EV Show | 29 November - 1 December | London, UK - Supporters: Great Britain and Northern Ireland

- Organised the session **Driving Zero-Emission Truck Transformation: Policy Perspective**.



## Communications and Outreach

### Growth of TDA's Online Presence and Outreach

The TDA releases a regular newsletter, engages across social media platforms and seeks to continuously improve its website. In 2022, the TDA audience grew across all communication channels in comparison to 2021.

**Climate Break Podcasts** in collaboration with **CLEE**, highlighting the experiences of TDA members, namely:

- **Mr. Arjan Oranje, Program Manager for Zero Emission Mobility, Rotterdam.**
- **Mr. Paulo Humanes, Director of Mobility, CEiiA.**
- **Mr. Francois Baush, Minister of Mobility, Luxembourg.**
- **Mr. Lennart Nout, Manager of International Strategy, Mobycon.**
- **Dr. Steve Cliff, Executive Officer, CARB Part 1 | Part 2 | Part 3.**

The **TDA Newsletters** were delivered to 830 recipients on a monthly basis (compared to 765 in 2021). The interaction rate (which measures the ratio of interactions on posts, such as clicks, started videos, page views and emails) reached 21% (compared to 17,52% in 2021). Access all **TDA's 2022 Newsletters** [here](#).

In 2022, **social media** engagement grew on both LinkedIn and Twitter, details in the chart below.

LinkedIn Statistics	2021	2022	% Growth
Followers	1350	2308	71%
Impressions	62K	75K	21%
Engagement Rate	4.76%	5.13%	0.37%

Twitter Statistics	2021	2022	% Growth
Followers	1369	1554	14%
Impressions	48K	68K	42%
Engagement Rate	1.97%	4.38%	2.41%

Overall the **website** statistics have increased significantly from 2021.

Website Statistics	2021	2022	% Growth
Views	11401	15265	1239.04%
Users	480	6026	1155.42%
Sessions	653	8836	1253.14%
Engaged Sessions	638	4862	1338.46%
Average time per session	29	36	22.34%
Engagement Rate	52%	55%	6.31%

Country	Users
United States of America	1.5K ↑ 1,296%
France	930 ↑ 811.8%
United Kingdom	543 ↑ 2,260%
China	331 ↑ 934.4%
The Netherlands	308 ↑ 1,000%
Germany	272 ↑ 1,082%
India	234 ↑ 1,571%

Page Title	Views
Home	3,406
TDA Annual Meeting 2022	1,417
TDA Members	1,031
About us and Approach	902
TDA Partners	489
TDA New Archives	382
Charge to Move and Accelerate	381
Working Streams	354
Andrea Meza - New Environment and Energy Minister of Costa Rica	315
Calling on Leading Nations to Pursue Zero - Emission Trucks	270

Furthermore, in 2022 the TDA added a virtual **Knowledge Centre** to the website. This resource compiles all major TDA knowledge products.

## TDA in International Media

In 2022, the Alliance's work was recognised by international media on multiple occasions, including:

- **Forbes** highlighted the **TDA's Call to Action to Support Active Mobility Capacity Building**, in its article **Unlike At COP26 There's No Transport Day At COP27—Why This Matters**.
- **Legal Planet** portrayed TDA's major next steps on clean transportation in the article **The Transport Decarbonisation Alliance at COP27: Call to Action on Active Mobility and Deep Dive on Clean Trucks**.
- **Portal Movilidad España** interviewed **Mr. Jorge Delgado, Secretary of State for Infrastructure, Portugal**, on the role of sustainable mobility and Portugal's approach to transport decarbonisation at COP27.
- **Southern California's KPCC AirTalk** hosted Mr. Ethan ElKind, Climate Program Director, **CLEE** for an **interview on California and TDA's role in transport decarbonisation and COP27**.



### Secretariat Team



**Ms. Gabriela Mora**  
Project Coordinator



**Ms. Katherine López**  
Communications and Design



**SLOCAT Partnership**  
Support on advocacy & engagement, strategic planning, accounting



TRANSPORT  
DECARBONISATION  
ALLIANCE



[www.tda-mobility.org](http://www.tda-mobility.org)



[tdasecretariat@tda-mobility.org](mailto:tdasecretariat@tda-mobility.org)



[@tdamobility](https://twitter.com/tdamobility)



Transport Decarbonisation Alliance