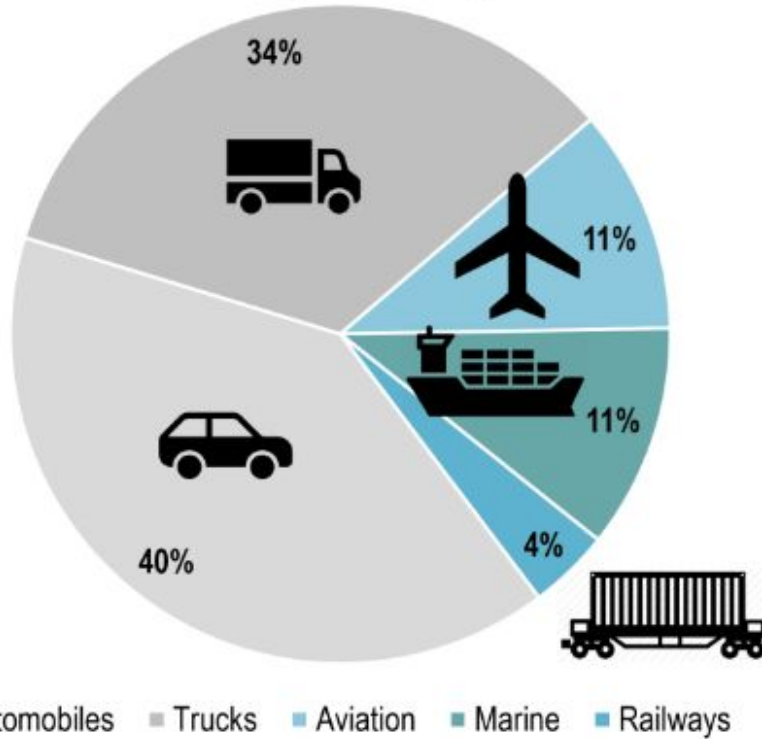


Why TUMI E-Bus Mission?

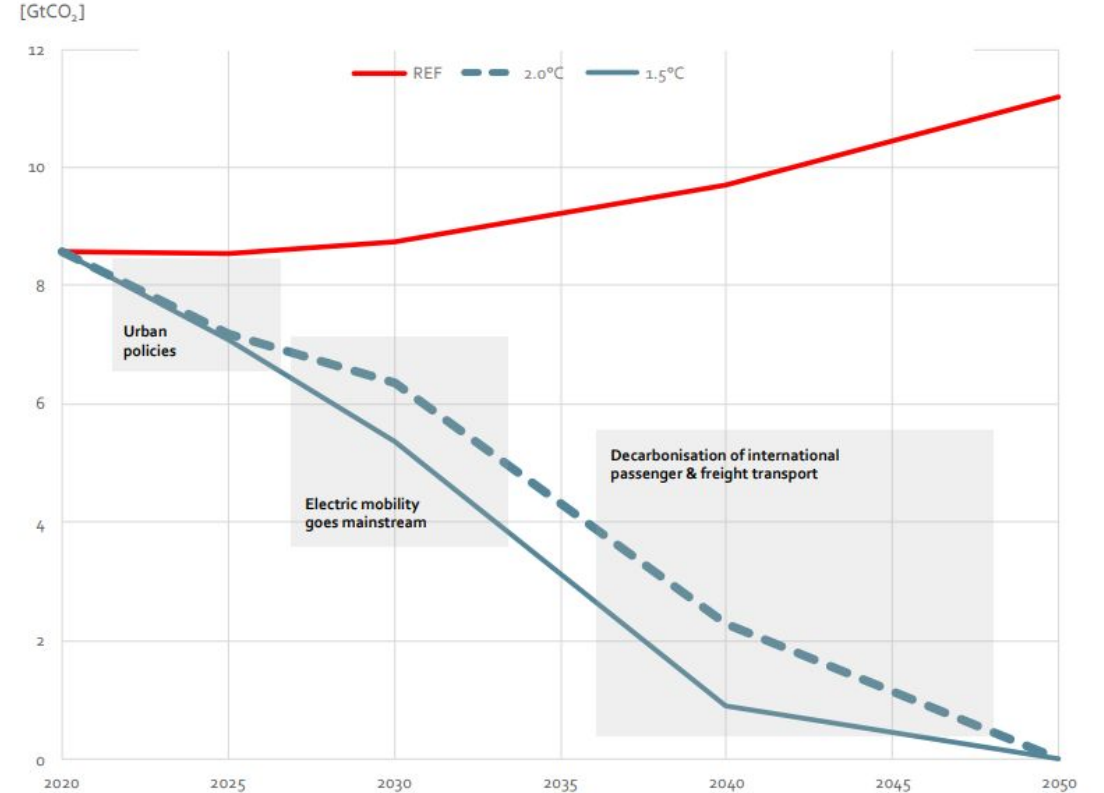
Global Transport Carbon Budget is **110 Gt CO₂** from 2020-2050 for - 1.5°C pathway.

CO₂ Emissions by the Transport Sector



Source: The Geography of Transport Systems

Global: Transport energy-related carbon dioxide until 2050



Source: TUMI Outlook

Why TUMI E-Bus Mission?






On this occasion, for the first time, over **100 organisations came together in a bold, multi-pronged commitment to accelerate the decarbonisation of transport worldwide.** The coalition delivers on its goals by connecting innovative approaches with integrated, long-term planning, speeding up the deployment of electric vehicles, creating a mass market for zero-emission freight vehicles, and fostering global dialogue arenas with and among the private sector.



Some Activities of ACT Initiative

After the Climate Action Summit, the momentum created through ACT has fostered innovations by connecting multiple stakeholders from the private sector, governments, cities, NGOs, academia, and others. The implementation of all components is supported through UN-Habitat.

 <p>TUMI and UITP have been co-leading the SuM4All Working Group “Sustainability of the E-mobility model” throughout 2020.</p>	 <p>BMZ, GIZ and TUMI formed a broad coalition of public and private sector organisations to establish a transition to e-buses.</p>	 <p>The ZEFV ACTION group is creating a mass market for zero-emission freight vehicles so that all road freight transport emits zero emissions by 2050.</p>	 <p>Michelin's MOVIN'ON Summit 2021 is taking place in June. UITP's Digital World Tour continues through virtual and hybrid event.</p>
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ACT Initiative 2021 – SLOCAT

Common Goal:

Ensure Procurement Readiness of
100k E-buses by 2025

7 Organizations | ~100 Expert Strong team



How we do it?

Ensuring procurement readiness of around 100000 E-Buses by 2025

Africa | Asia | LATAM



20 Deep Dive cities



**Network Cities Program
- 100 Network cities**



Global Coalition

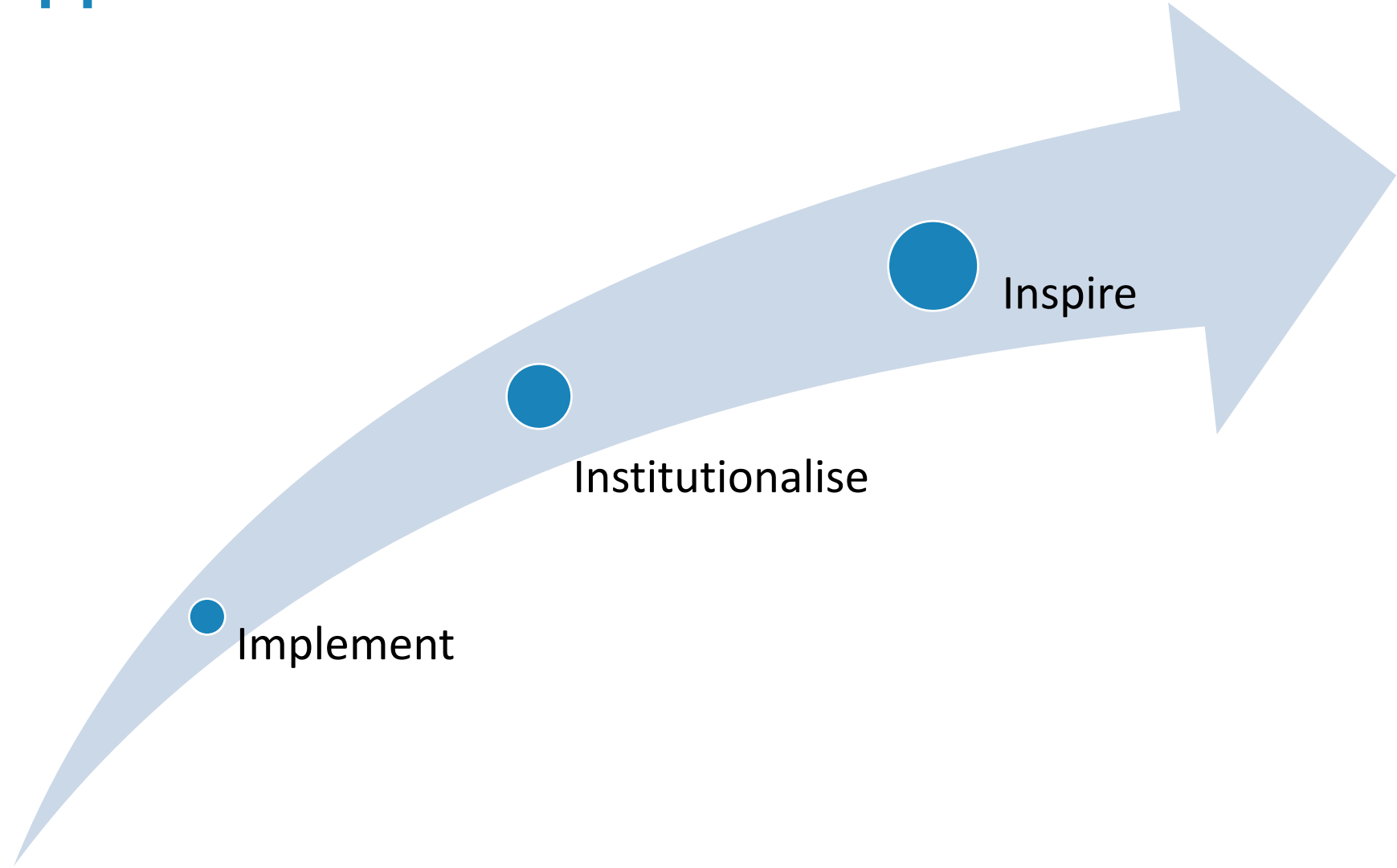


E-bus Roadmaps |
Technical Assistance

Knowledge Hub | Peer to
Peer exchange | Regional
training programs

Engage High Level
Industry Leaders |
Global/Regional Projects

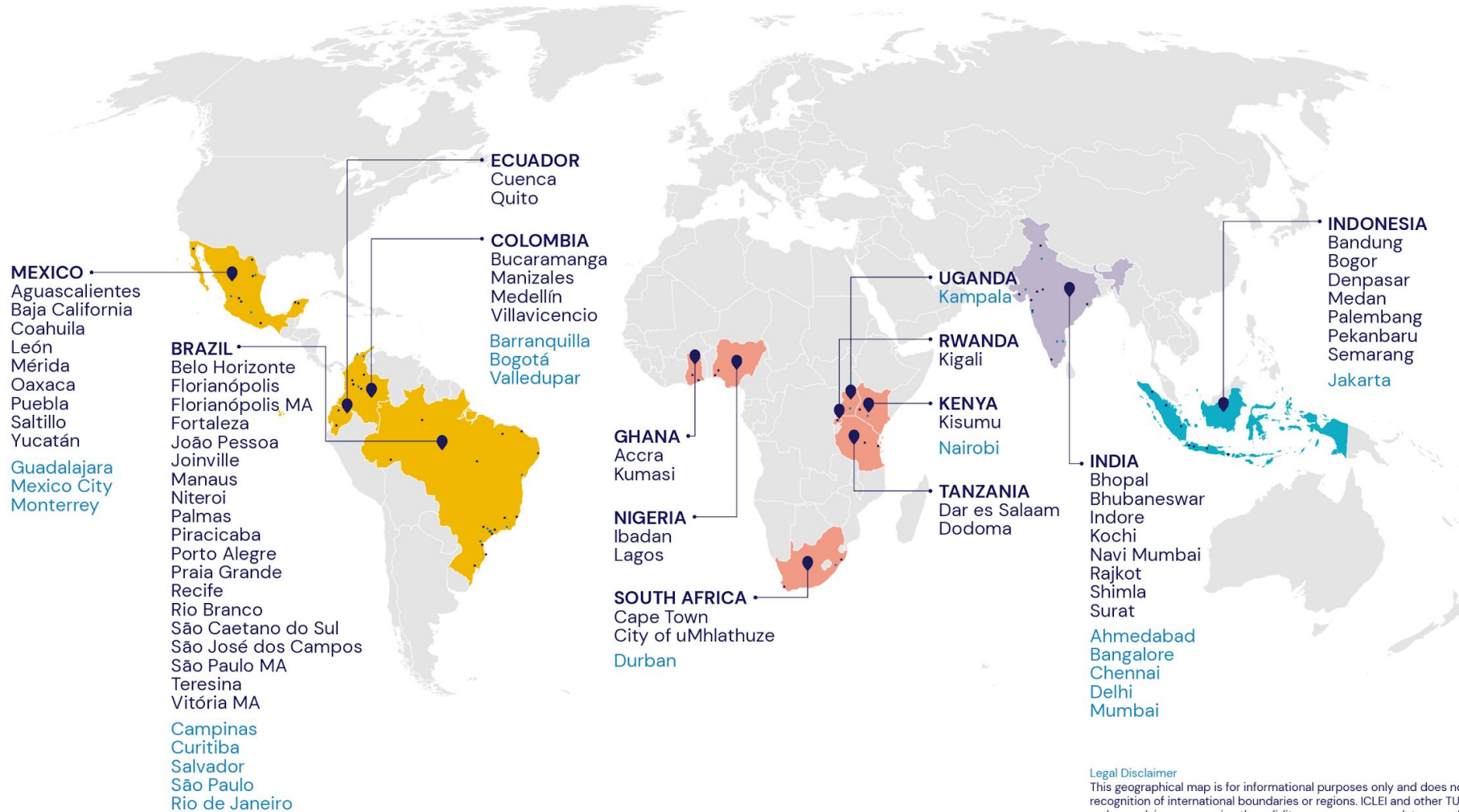
TUMI's Approach



20 Deep Dive Cities + 63 Network Cities



● Deep dive cities



Legal Disclaimer
This geographical map is for informational purposes only and does not constitute recognition of international boundaries or regions. ICLEI and other TUMI partners make no claims concerning the validity, accuracy or completeness of the maps nor assumes any liability resulting from the use of the information therein.

Key Statistics

Until March 2023



20 Deep Dive Cities



86 LOIs signed



**50 Events
(Online + Inperson)**



63 Network Cities



**Engaged with
>74 cities**



**Supported
E-Bus
procurements:
~16880**

Challenges to Upscale

Finance & Supply Chain



- Derisking mechanisms
- Creating an encouraging deal size
- Supply chain issues for island countries, small and hilly cities

Optimize Project operations



- Enabling data sharing
- Integrating digitisation

Capacity Building



- Private sector
- Transit agencies

Thank you!



Rohan Shailesh Modi,
Advisor – TUMI – Just
Mobility

rohan.modi@giz.de

Wish to join our Network city Program?



Scan the QR Code or
Access the Interest Form [here](#)

Few project activity examples



sample
India

Aggregated E-Bus Procurement

1 Tender | 5 Cities | 5450 E-Buses | Lowest Rates

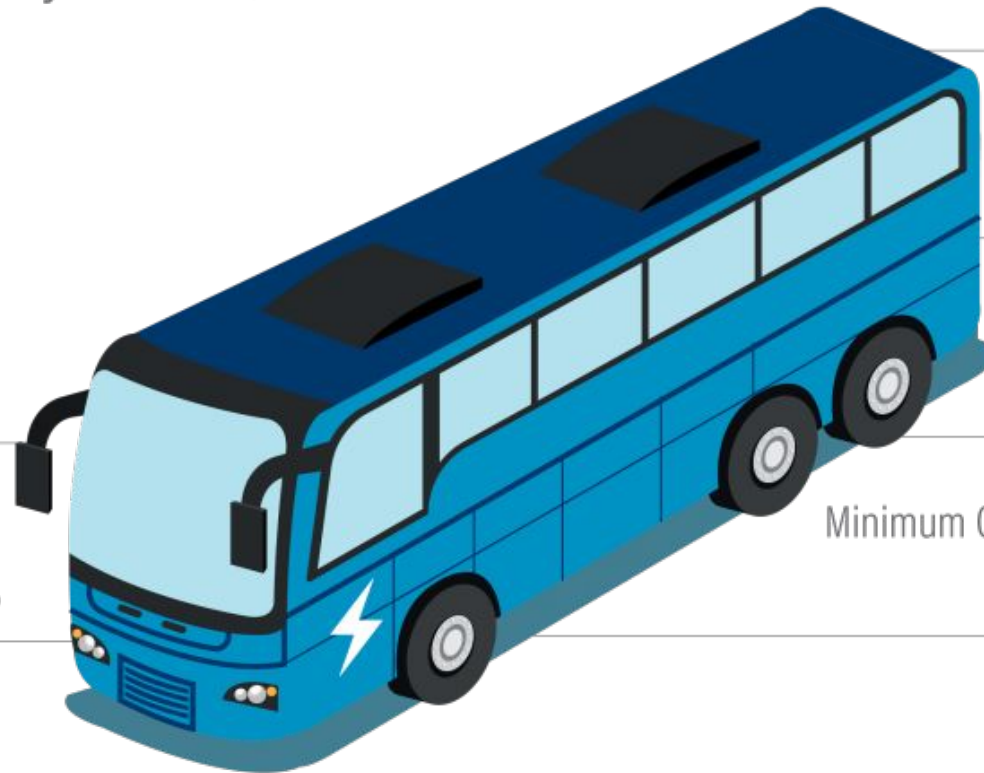
THE GRAND CHALLENGE TENDER CONDITIONS

for Delhi, Bengaluru, Hyderabad,
Kolkata and Surat



Contract Period
12 years

Annual Assured Operational
70,000 kms per bus



Charging Type

**Opportunity charging & overnight
charging at depot**

Bus Utilisation per day
225 kms + 10%

Opportunity Charging Time
60 mins at depot

Minimum Operational Kms in Single charge
200 kms

Global E-Course: Digitalizing E-Bus Projects

Participating Cities

123 Cities
40 Countries

- MEXICO**
- Hermosillo
- Mérida
- Meoicali
- Mexico City
- Monterrey
- Puebla
- Saltillo
- San Luis Potosí
- Tlalnepatla de Baz
- Santo Domingo, Dominican Republic
- San José, Costa Rica
- Port of Spain, Trinidad and Tobago
- COLOMBIA**
- Bogotá
- Bucaramanga
- Manizales
- Medellín
- Pasto
- Popayán
- EQUADOR**
- Azagues
- Cuenca
- Gualaquco
- Guyaquil
- Quito
- Lima, Peru
- Santiago, Chile

- BRAZIL**
- Belo Horizonte
- Brasília
- Campinas/SP
- Caxias Do Sul
- Curitiba
- Florianópolis
- Joinville
- Porto Alegre
- Praia Grande
- Recife/PE
- Rio Branco
- Rio de Janeiro
- São José dos Campos
- São Paulo

- Abidjan, Côte d'Ivoire
- Cotonou, Benin
- Dakar, Senegal
- Gulu, Uganda
- Kumasi, Ghana
- Lagos, Nigeria
- Ojota, Nigeria
- Lusaka, Zambia
- Monrovia, Liberia
- Praia, Cabo Verde
- São Vicente, Cabo Verde

- SOUTH AFRICA**
- Cape Town
- Durban
- Johannesburg
- Richards Bay
- KENYA**
- Keroka
- Kisumu
- Mombasa
- Nairobi
- Nakuru
- Maputo, Mozambique
- Victoria, Seychelles

- INDONESIA**
- Banda Aceh
- Bandung
- Bekasi
- Depok
- Jakarta
- Kab Bogor
- Karawang
- Klaten
- Kota Bandung
- Kutai Kartanegara
- Mediun
- Malang
- Makassar
- Surabaya
- Tangermag City
- Yogyakarta
- Ankara, Turkey
- Balikesir, Turkey
- Sherzhen, China
- Chongqing, China

- Nasinu, Fiji
- Suva, Fiji

- Dhaka, Bangladesh
- Colombo, Sri Lanka
- Kuala Lumpur, Malaysia
- Seoul, South Korea

- Berlin, Darmstadt & Dresden, Germany
- Brussels, Belgium
- Budapest, Hungary
- Kartuzy & Rzeszów, Poland
- London, UK
- Lviv & Rivne, Ukraine
- Madrid, Spain
- Rome & Torino, Italy
- Tirana, Albania

- INDIA**
- Ahmedabad
- Belgaum
- Bengaluru
- Bhopal
- Chennai
- Cuttack
- Dehli
- Durgapur
- Gaya
- Haryana
- Hyderabad
- Jodhpur
- Kochi
- Kollam
- Korba
- Kozhikode
- Mumbai
- Panaji
- Pune
- Surat
- Vadodana
- Vijayawada

Global Training – Inclusion




TRAINING

Diversity and Inclusion in Public Transport (in English)

WHEN
20 > 28 Jul. 2022

WHERE
Online, 9.00 CEST time (UTC+2)

ORGANISERS



City Dialogues | Market Dialogues | Finance Dialogues

Organized 7 in person dialogues

Objective: *Peer to peer learning | Advancing city level financing discussions | Bring innovative private sector solutions directly to cities*



Circular economy for E-Bus procurements

Crisp 30 pager Measures Catalogue (11 measures) – to be launched in April 2023



Precise
Explanation of
the Measure



Share Best
Practices



Stipulate
Specific
tender clause
for each
measure