The Zero Emission Vehicles Transition Council (ZEVTC): Supporting a Global Transition to ZEVs

***Naomi White**, Head of Global ZEV Transition,*
Department for Energy Security and Net Zero, UK Government.
Presenting on behalf of the ZEVTC Secretariat and Co-chairs.

***Urska Skrt**, Mobility Manager,*
World Business Council for Sustainable Development (WBCSD).
Presenting on behalf of the ZEV Emerging Markets Initiative.

ZEV TRANSITION COUNCIL

16 May 2024

Overview

- **What** the Zero Emission Vehicles Transition Council (ZEVTC) is
- **Existing** ZEVTC activities to support a global transition
- **Future** ZEVTC activities to support a global transition
- **Case study** – ZEV Emerging Markets Initiative (ZEV-EM-I)

The Zero Emission Vehicles Transition Council (ZEVTC)

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What the ZEVTC is

The ZEVTC **membership includes**



The ZEVTC was formed as **the world's first political forum** through which ministers and representatives of governments from **most of the world's largest and most progressive automotive markets** – collectively accounting for >50% of all new car sales globally – meet to discuss how to accelerate the pace of the global transition to ZEVs. The **UK and US are co-chairs**.

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What the ZEVTC is

Since its first meeting in November 2020, **ZEVTC Ministers have met seven times to discuss a range of topics** – from Paris alignment and technology, to effective policy measures, Heavy-Duty Vehicles and charging infrastructure.

Convene

The ZEVTC brings together Ministers and representatives from its 17 members to collectively address the key challenges in the ZEV transition.

Inform

By drawing on inputs from technical experts, the ZEVTC can better understand the state of the ZEV transition and how best to accelerate it.

At their meeting during COP26, ZEVTC Ministers discussed how they could work together – including with the wider international community – **to support an accelerated and equitable global transition to ZEVs this decade**.

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Supporting a Global Transition

To inform what the ZEVTC should look to do across this crucial topic, a series of **ZEV Regional Dialogues** were organised in 2021-2022.

These convened **nearly 50 Emerging Markets and Developing Economy (EMDE) countries**, who shared first-hand experiences of the transition and outlined their needs and requirements.

In response, to the challenges and opportunities raised, the ZEVTC launched **an initial package of initiatives at COP27**, with plans to follow-up with more in future years.

(i) The ZEV Rapid Response Facility (ZEV-RRF)

(ii) A ZEV Country Partnership model, with the first Partnership launched with India

(iii) The ZEV Emerging Markets Initiative (ZEV-EM-I)

https://zevtc.org/global-commitment/zev-rapid-response-facility/

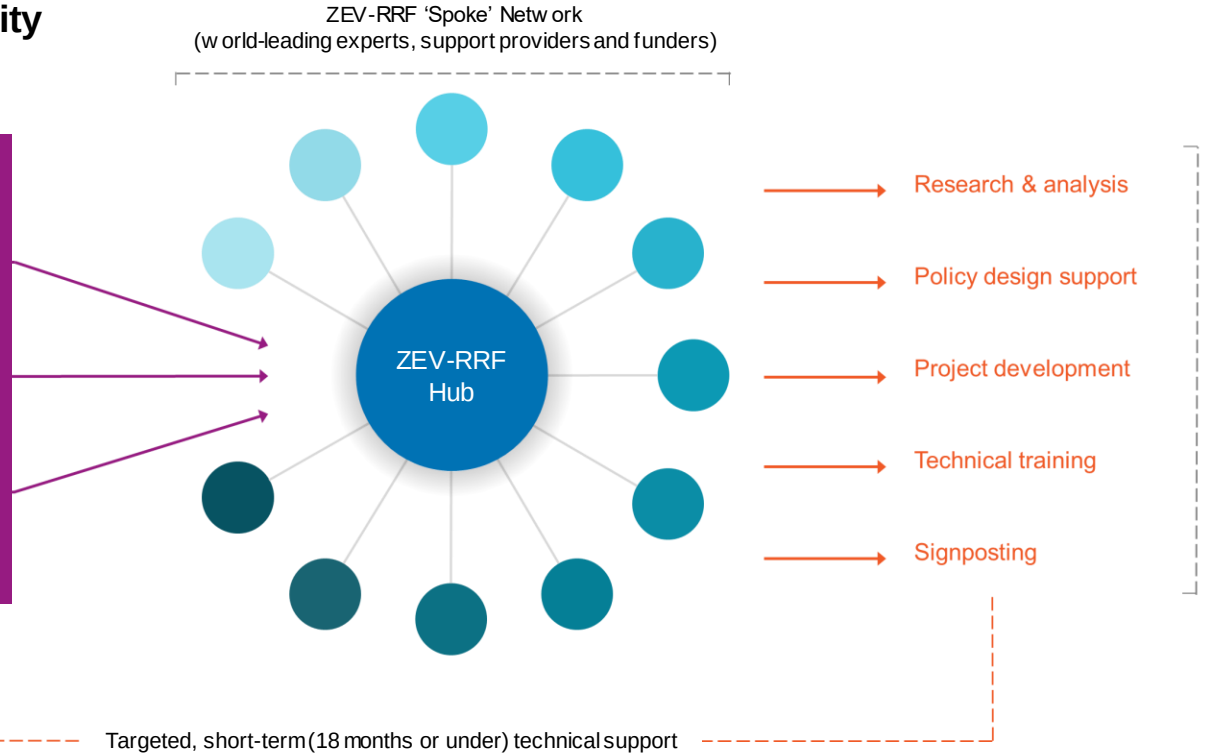
Supporting a Global Transition

(i) The ZEV Rapid Response Facility (ZEV-RRF)

Recipient Countries* (as of May 2024)

- Armenia
- Aruba
- Azerbaijan
- Cabo Verde
- Chile
- Colombia
- Curaçao
- Dominican Republic
- El Salvador
- Ghana
- India
- Kenya
- Mexico
- Morocco
- Papua New Guinea
- Paraguay
- Rwanda
- Sint Maarten
- Türkiye
- Ukraine
- Uruguay

**Have signed the ZEV Declaration (cars and vans) and/or the Global MoU on zero emission Medium- and Heavy-Duty Vehicles (Global MoU).*



Supporting a Global Transition

(ii) A ZEVTC Country Partnership model, with the first Partnership launched with India (& more to follow)

Improving Indian State Governments' access to finance



At the recent Transforming Transportation Summit (March), a report was launched with recommendations to inform future action.

A **capacity building and support programme** is now under development to respond to these recommendations.

Accelerating e-bus deployment and support transition finance



The **Payment Security Mechanism (PSM)** aims to address issues such as fare collection inefficiencies and improper upkeep of buses, ensuring e-bus suppliers are paid for their vehicles. PSM to facilitate the procurement of 10,000 made-in-India e-buses.

Aggregating private-sector demand for market creation & investments

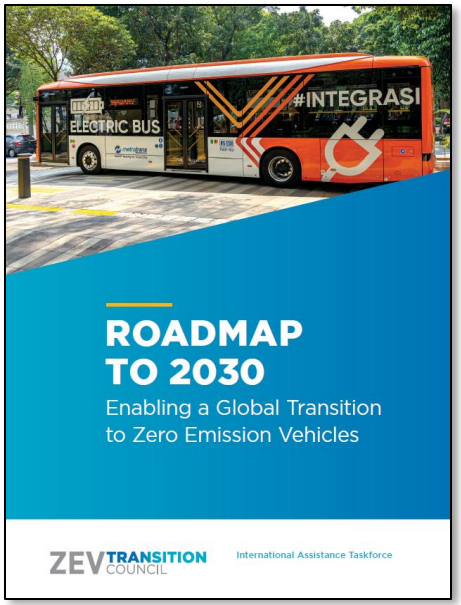


The ZEV-EM-I is also active in India, helping to **create a market** for companies to adopt zero emission MHDVs and **initiate large-scale corridor operations** through collaboration. In 2023, 15 companies signaled demand for 7,700 electric freight vehicles by 2030 and established a 5-pillar national strategy

(iii) The ZEV Emerging Markets Initiative (ZEV-EM-I) – will cover more in just a moment

Supporting a Global Transition

- The Global ZEV Transition Roadmap was launched by the ZEVTC and partners at COP28.
- It outlines actions to **strengthen support for EMDEs** – and enable **greater collaboration** across countries, regions and markets – this decade.
- Actions are framed by **an initial set of 5 Strategic Challenges**, informed by discussions and dialogues with EMDE countries since 2021.
- The COP28-launched Roadmap was the first of an **annual publication** that will coincide with COPs **through to 2030**.
- **Future iterations** of the Roadmap will **set out progress updates** on previously launched Roadmap actions as well as **launch new actions** (including further Strategic Challenges to be addressed).
- **COP29** will see the next iteration of the Roadmap being launched, including the **final delivery framework** that will implement Roadmap actions to 2030.



Supporting a Global Transition

Roadmap actions announced at COP28 that are being implemented from 2024 (with more to follow)…

1. Policy action

a) Launch a Country Cluster Initiative…
b) Launch a Twinning Programme as part of this initiative…
c) Develop and deliver a training programme…
d) Scale the ZEV Rapid Response Facility…
e) Launch a scalable online platform…
f) Strengthen existing programmes and coordination…

2. Access to and scaling finance

a) Coordinate resources to replenish and grow finance…
b) Leverage the Collective for Clean Transport Finance…
c) Expand the Global Facility to Decarbonise Transport…
d) Scale the ZEV Country Partnerships work…
e) Systematically raise awareness of existing funding options…
f) Make funding routes transparent and easier to access…

3. Increase availability of ZEVs

a) Launch the Global E-bus Aggregation Framework…
b) Grow the ZEV-EM-I e-freight work…
c) Est. new aggregation frameworks in other segments…
d.i) Est. a dialogue between exporter countries…
d.ii) Provide technical support to importer countries…

4. Accelerate charging infrastructure roll-out

a) Amplify the significant no. of existing technical resources…
b) Replicate or expand existing technical resources…
c) Strengthen coordination across ZEV and energy initiatives…
d) Invite EMDEs to join the ZEVTC Infrastructure Taskforce…
e) Identify further capacity building opportunities…

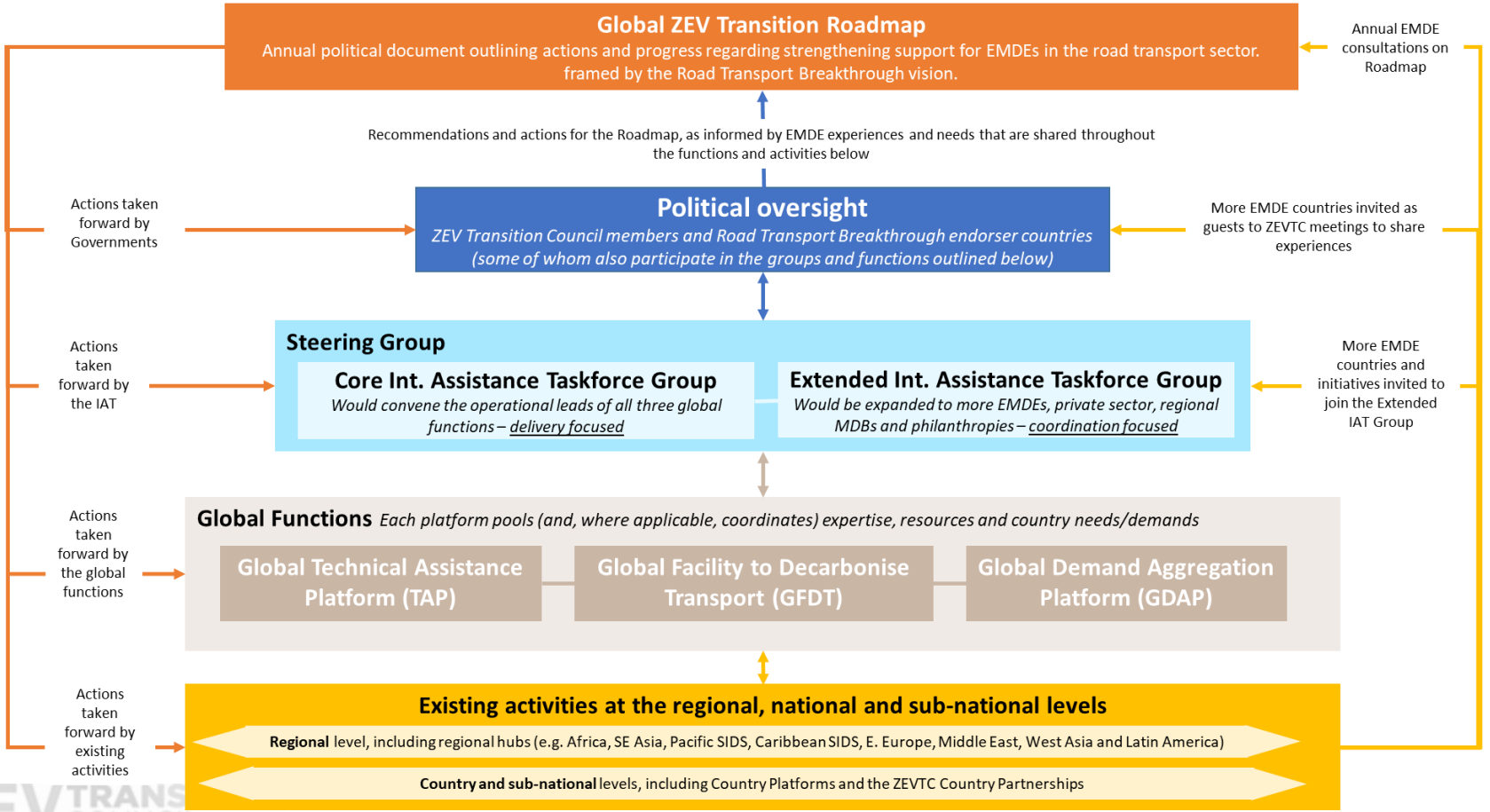
5. Lifecycle management of ZEVs, EVs and battery components

a) Amplify the significant no. of existing technical resources…
b) Replicate or expand existing technical resources…
c) Identify further capacity building opportunities…

The Global ZEV Transition Delivery Framework

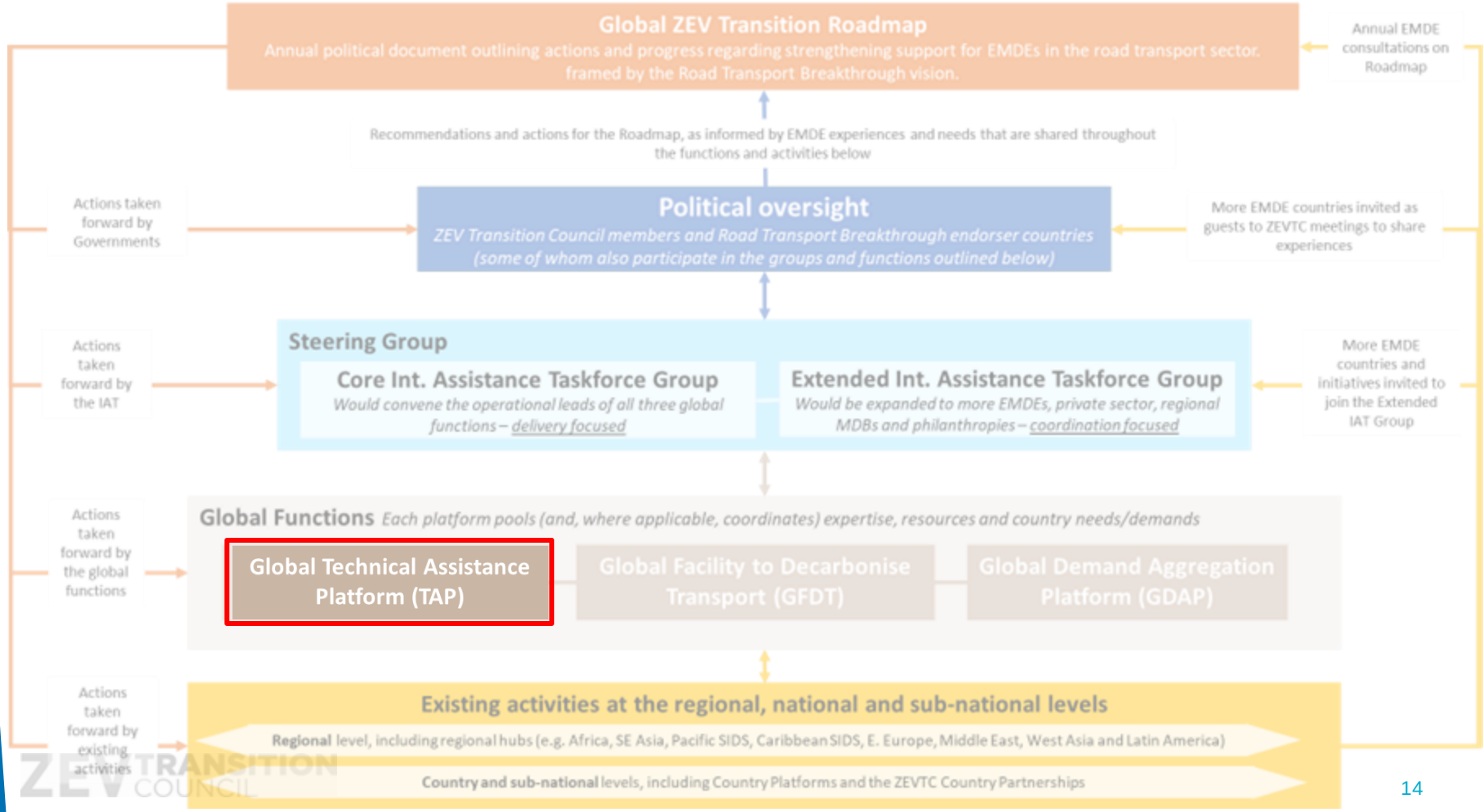
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Aim = To establish a global framework to deliver Roadmap actions this decade and strengthen the existing international architecture.



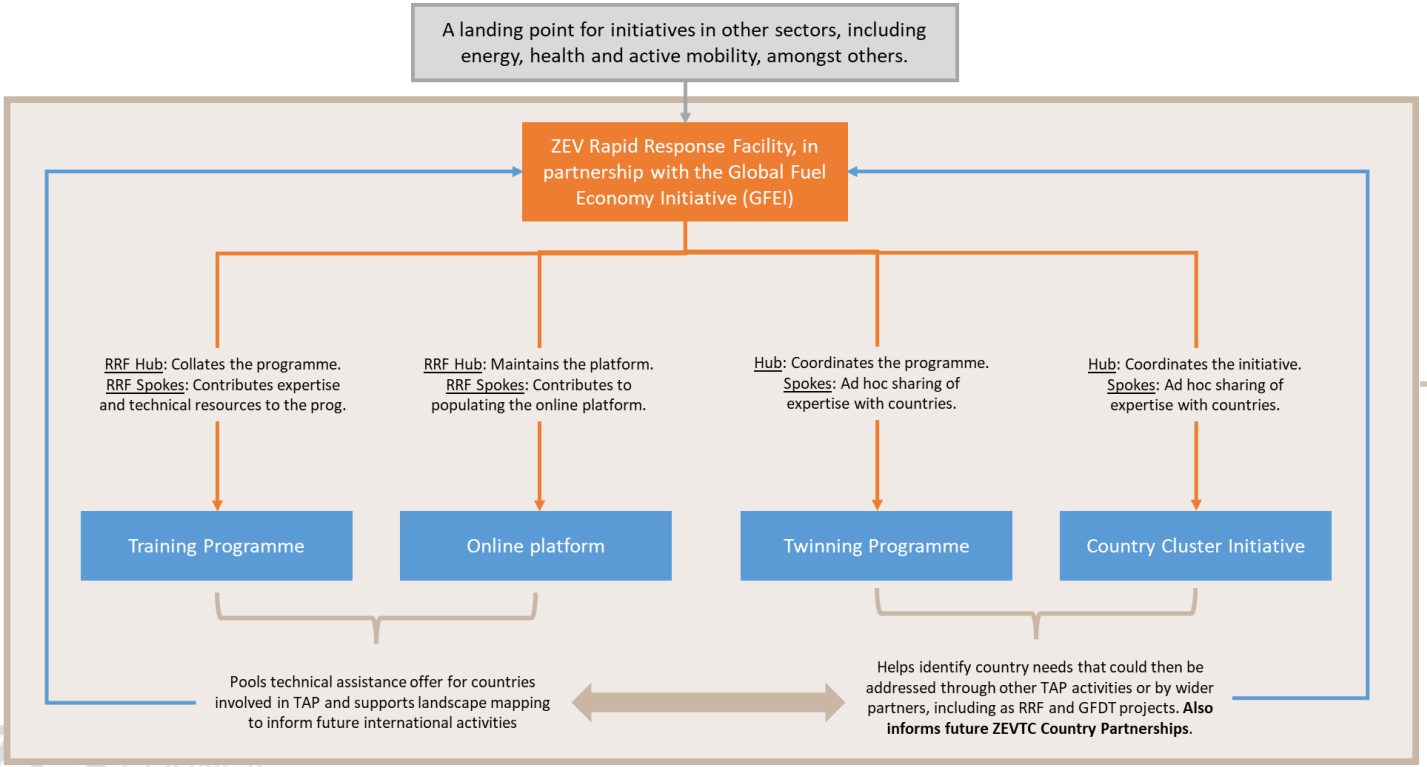
Global Function 1:
The Technical Assistance Platform (TAP)

ZEV TRANSITION COUNCIL


Global ZEV Transition Roadmap
Annual political document outlining actions and progress regarding strengthening support for EMDEs in the road transport sector, framed by the Road Transport Breakthrough vision.
Annual EMDE consultations on Roadmap
Recommendations and actions for the Roadmap, as informed by EMDE experiences and needs that are shared throughout the functions and activities below
Actions taken forward by Governments
Political oversight
ZEV Transition Council members and Road Transport Breakthrough endorser countries (some of whom also participate in the groups and functions outlined below)
More EMDE countries invited as guests to ZEVTC meetings to share experiences
Actions taken forward by the IAT
Steering Group
Core Int. Assistance Taskforce Group
Would convene the operational leads of all three global functions – delivery focused
Extended Int. Assistance Taskforce Group
Would be expanded to more EMDEs, private sector, regional MDBs and philanthropies – coordination focused
More EMDE countries and initiatives invited to join the Extended IAT Group
Actions taken forward by the global functions
Global Functions Each platform pools (and, where applicable, coordinates) expertise, resources and country needs/demands
Global Technical Assistance Platform (TAP)
Global Facility to Decarbonise Transport (GFDT)
Global Demand Aggregation Platform (GDAP)
Actions taken forward by existing activities
Existing activities at the regional, national and sub-national levels
Regional level, including regional hubs (e.g. Africa, SE Asia, Pacific SIDS, Caribbean SIDS, E. Europe, Middle East, West Asia and Latin America)
Country and sub-national levels, including Country Platforms and the ZEVTC Country Partnerships

The TAP will be piloted in 2024, and scaled from 2025

Global Technical Assistance Platform (TAP)



Coordinating with the GDAP and GFDT

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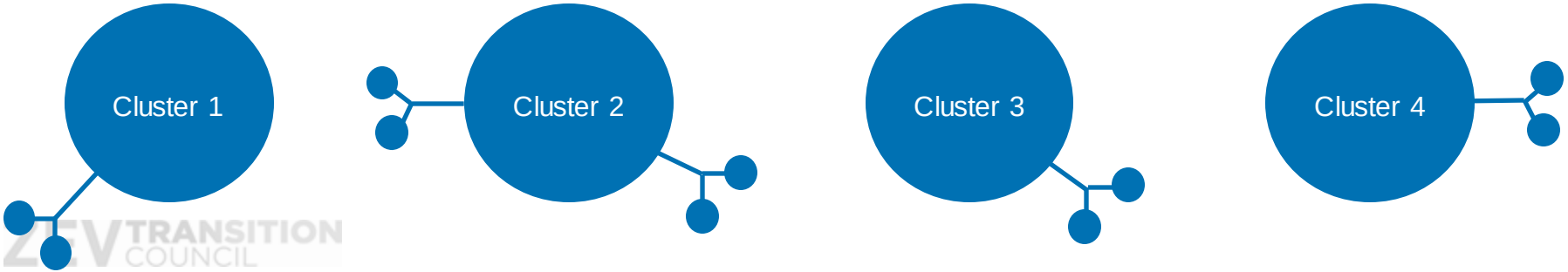
Global Technical Assistance Platform (TAP)

Country Cluster Initiative

- Will convene **'clusters'**, with each involving a group of countries from a **diverse range** of income levels and geographies that are also at **varying stages** in their **policy journeys.**
- Aim being to **foster country-to-country dialogue** and **experience sharing** across a breadth of priorities and topics.

Twinning Programme

- After 2-3 meetings under the Country Cluster Initiative, **natural pairings** of countries should start to emerge.
- E.g. countries that have voice similar challenges and/or a country is going through policy development that another country has recently conducted.
- These countries could then **optionally meet separately**, either as a one-off or as part of a longer-term bilateral exchange.

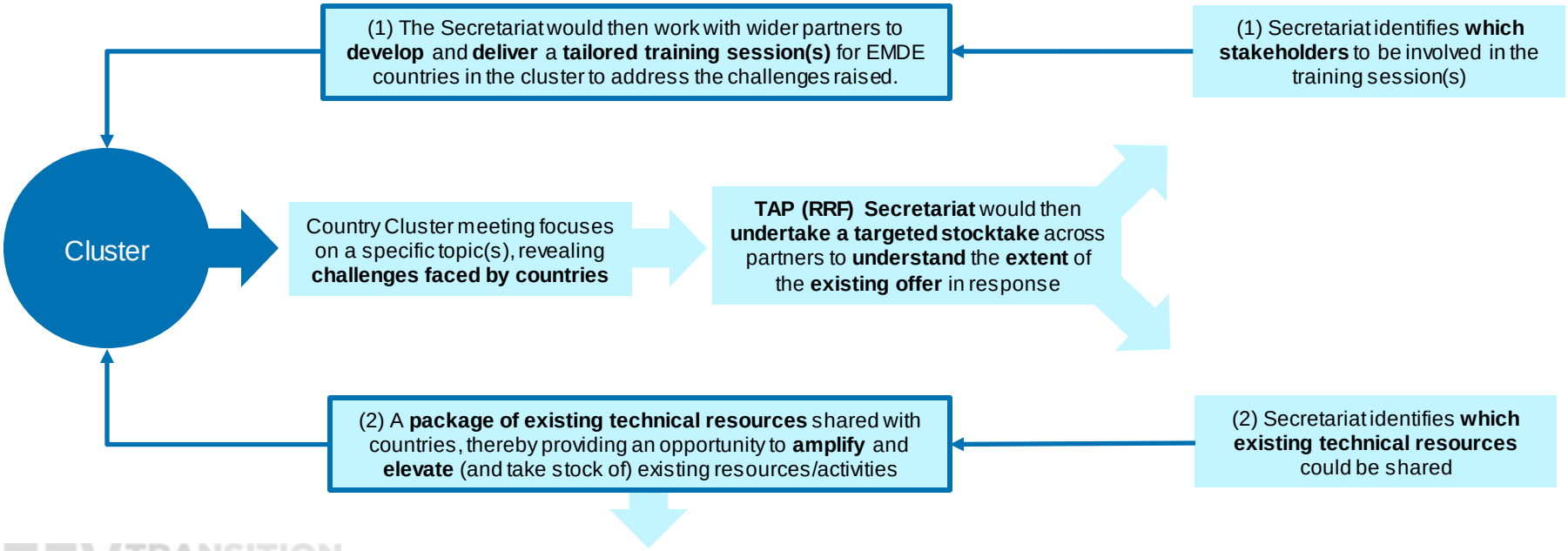


ZEV TRANSITION COUNCIL

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Global Technical Assistance Platform (TAP)

Training Programme



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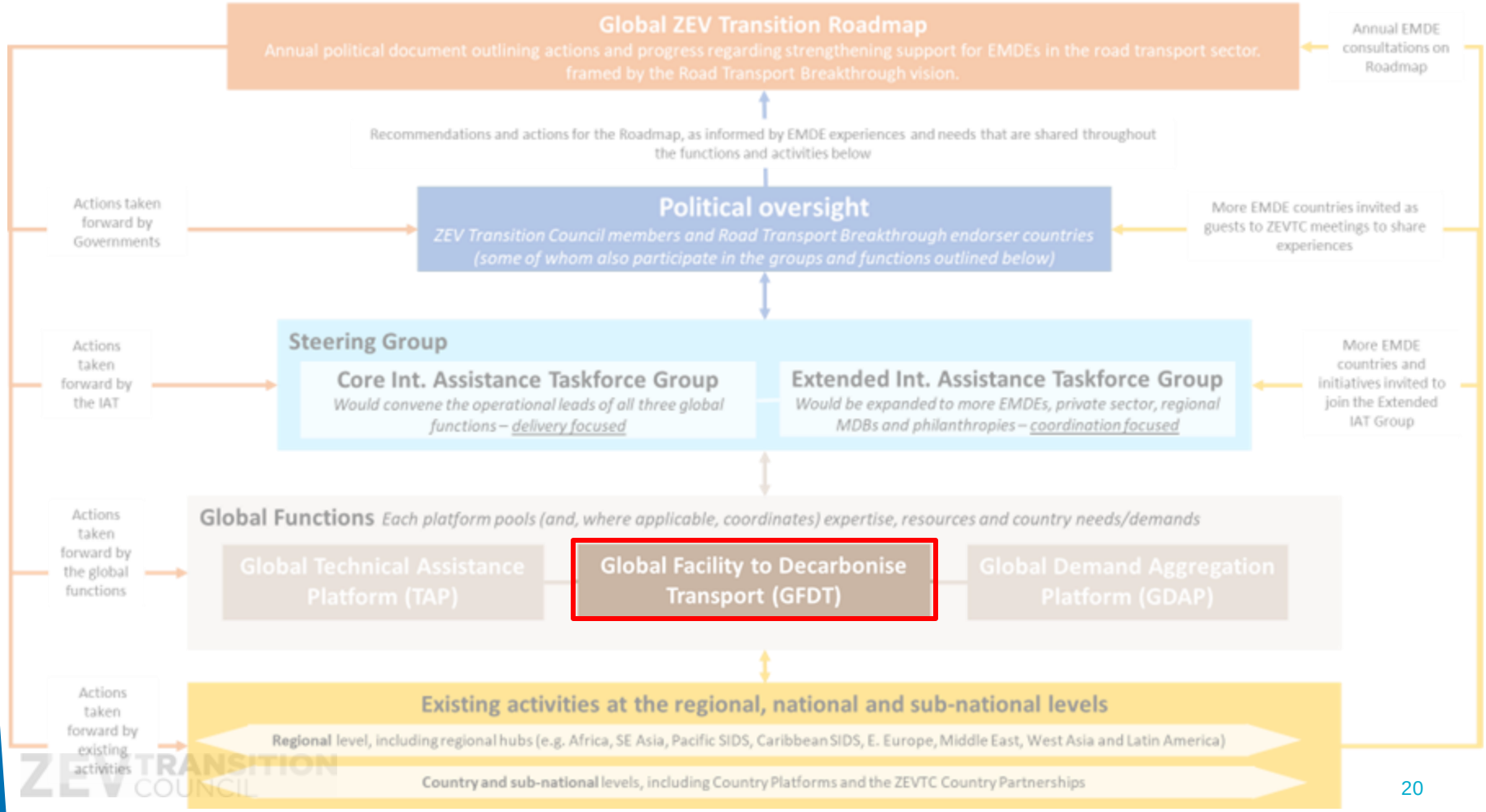
Global Technical Assistance Platform (TAP)

Scalable Online Platform

- A **'one-stop-shop' tool** to help countries navigate the existing support offer. It will:
    i. **Collate** information on existing funding routes, criteria, and access windows from across the global offer
    ii. **Signpost** countries to partners' websites and technical resources
    iii. **Signpost** countries to key contacts and initiatives who can provide further support
- Wider functions **are also being considered**.
- Information gathered from TAP and wider global framework activities will **support its population** and **usefulness**.
- The platform will also eventually **form a key part of the TAP's response to countries** under the training programme.
- It also has the potential to evolve into **a strategic tool that fulfils several wider functions** and help tie together the different offerings of the Roadmap.

Global Function 2:
The Global Facility to Decarbonise Transport (GFDT)

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The GFDT is already live – please get in touch for more information

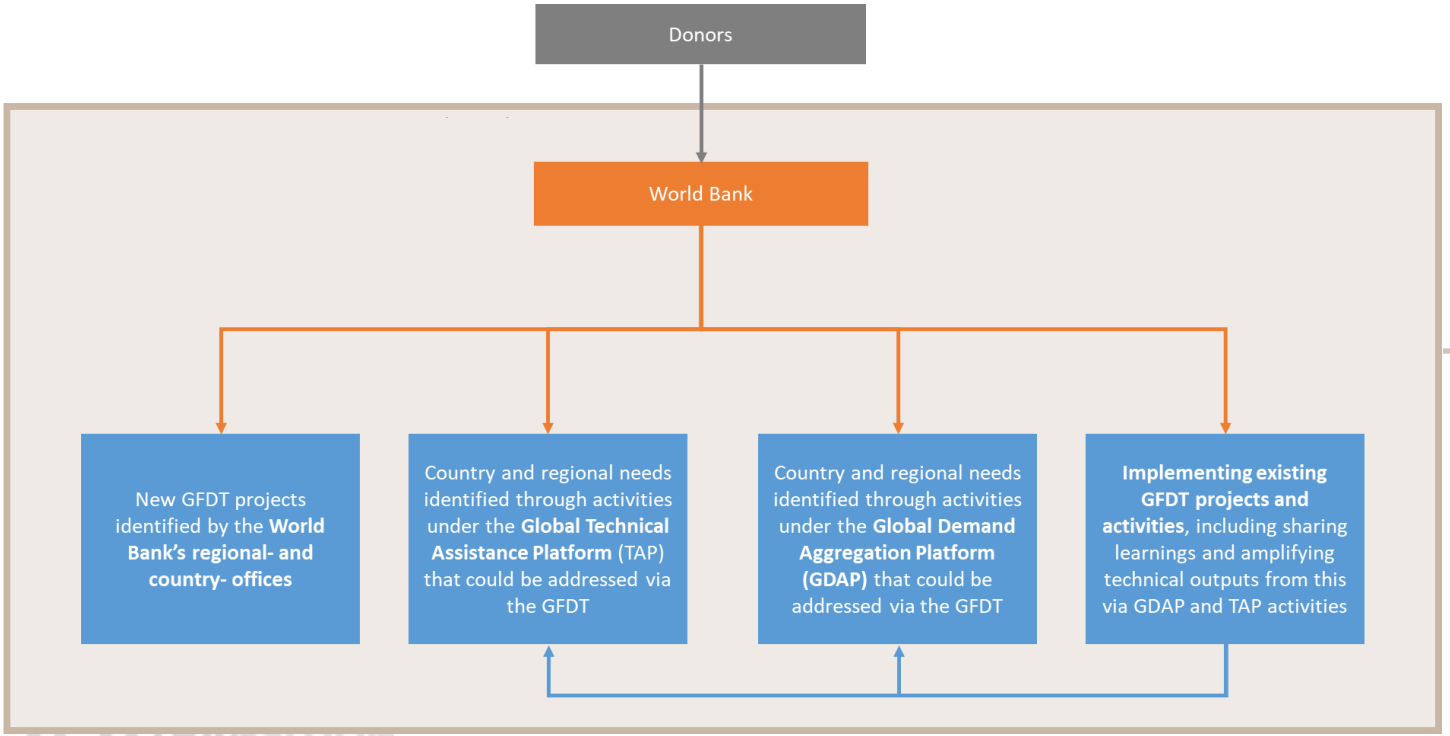
Global Facility to Decarbonise Transport (GFDT)

- The GFDT provides **funding and technical assistance** to World Bank teams promoting transport decarbonization in EMDE countries.
- Its funding **lays the groundwork** for the initiation of World Bank-financed transport decarbonization projects – it therefore **catalyses** and **unlocks** large-scale green mobility investments that **might not otherwise proceed**.
- Its activities are **country demand-led** and include **innovative pilot projects**, **research** and **analytics** and **capacity enhancement**.
- Since its launch at COP26, the GFDT is on track to **mobilize US$1.18bn** in World Bank financing for green mobility projects **by July 2025**.
- Examples of existing projects include a Regional Financing Facility in **Sub-Saharan Africa**, electrifying buses in **Ghana**, catalysing sustainable urban mobility in **Pacific Islands**, accelerating e-mobility in **India**, informing climate-smart transport investments in **Peru**, and digitalising public transport in **Egypt**.
- Within the Global ZEV Transition Delivery Framework, the GFDT would act as a **global finance mobilisation hub**.

https://www.worldbank.org/en/programs/global-facility-to-decarbonize-transport

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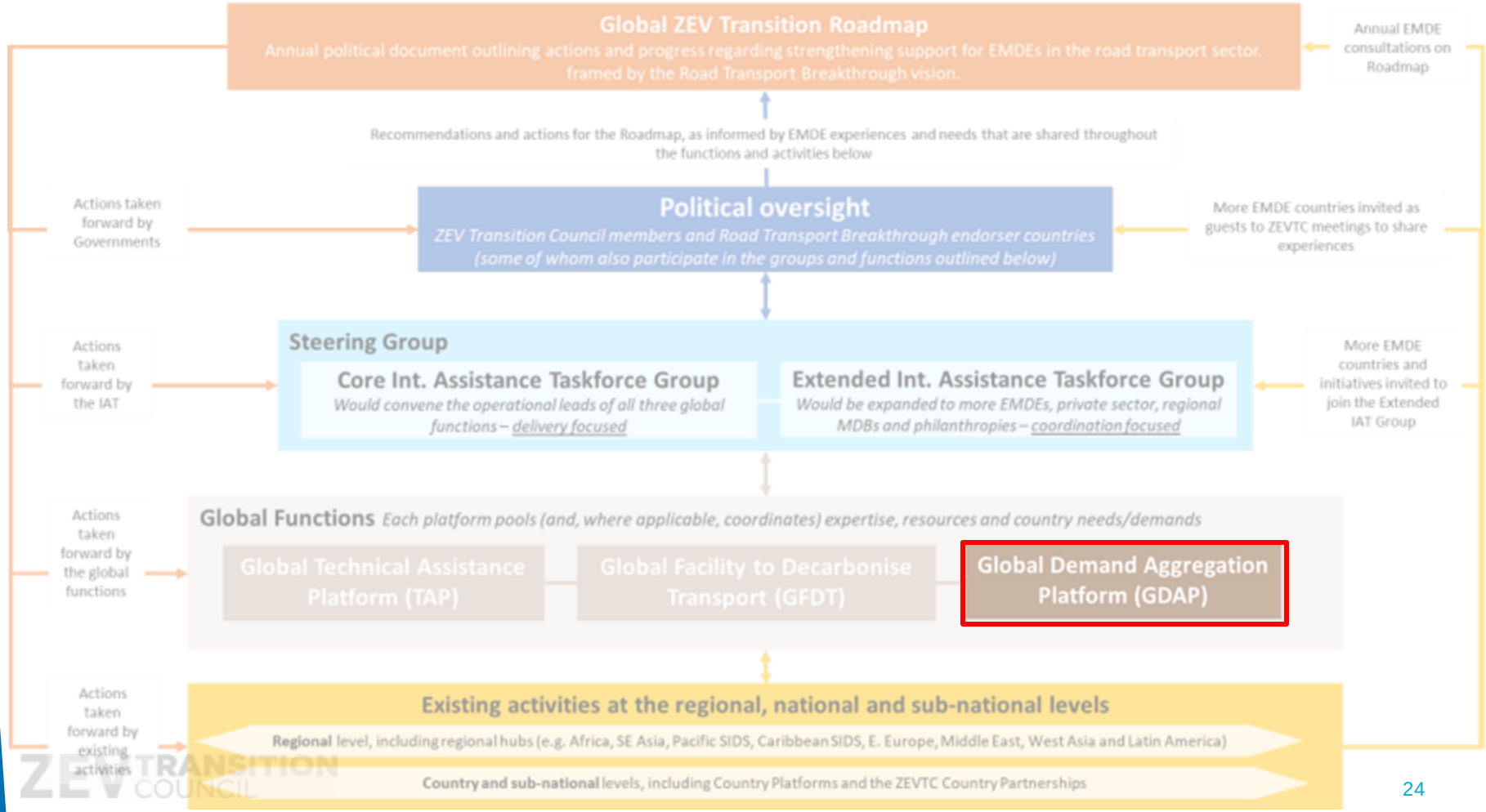
Global Facility to Decarbonise Transport (GFDT)



Coordinating with the GDAP and TAP

Global Function 3:
Global Demand Aggregation Platform (GDAP)

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Collective for Clean Transport Finance

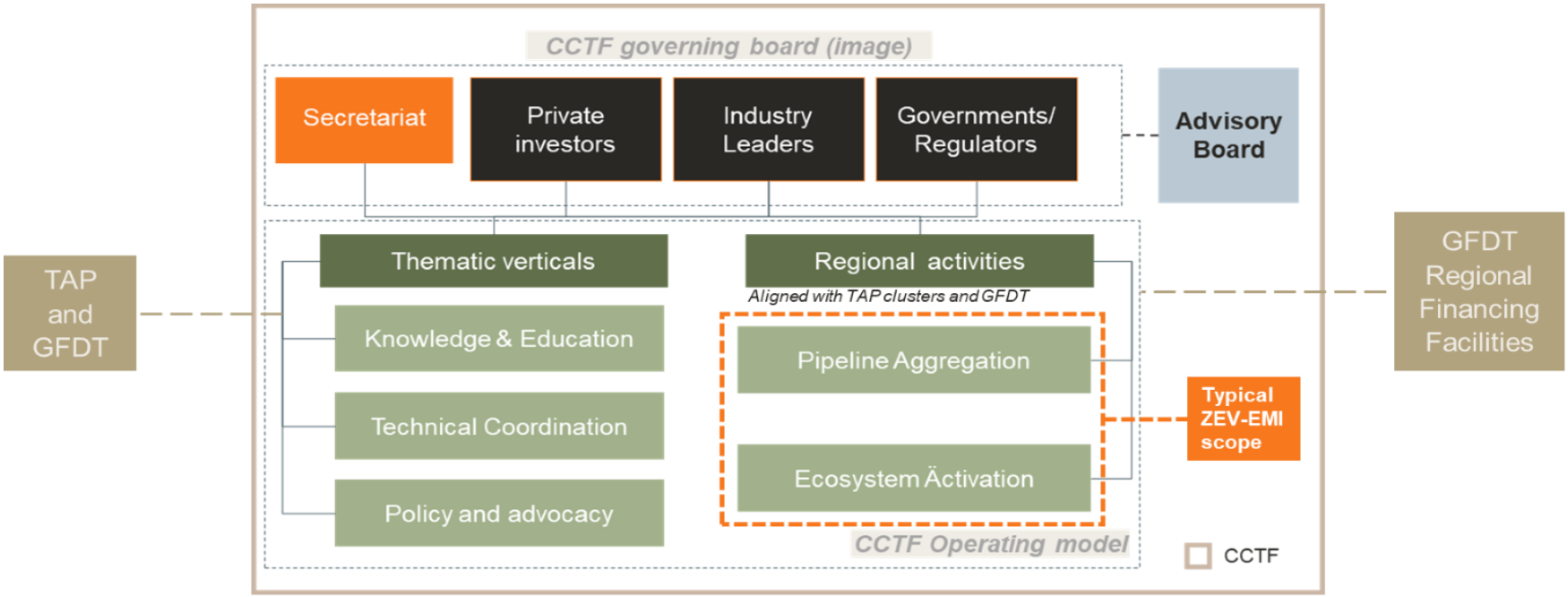
- The Global Demand Aggregation Platform (GDAP) would be operationally supported by the **Collective for Clean Transport Finance** ('The Collective').
- The Collective – which currently has a network of **over 80 organizations** – convenes its members under a **common vision** to put **hundreds of thousands of ZEVs** and **channel billions of private sector investments** in transformative transport projects.
- Launched at COP27, the Collective's mission is to **institutionalize trilateral collaboration** to reduce risks and increase the scale of transition finance deals for transport – the 3x5 process (3 sectors x 5 steps).

Strategically – anchors in **global processes** and global transport and finance **leadership events** to **contribute to** and **plan** the creation of large-scale transformative projects.

Tactically – helps and **coordinates a network** of institutions that can use their respective capacities to **produce knowledge** and **tools** that will help animate value chains and initiate large-scale transformative projects.

The GDAP will announce two flagships at COP29, with implementation starting from late 2025

Global Demand Aggregation Platform (GDAP)



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Global Demand Aggregation Platform (GDAP)

Two flagship projects under the Collective to demonstrate the relevance of the 5x3 and – in coordination with the TAP and GFDT – constitute best practice for replication and offer learnings and tools for the Global Framework.

These will **initiate a global aggregation framework for demand on two segments**:

E-trucks

- Smart Freight Centre and CALSTART leading.
- Scaled up from existing activities in India (being led by the ZEV-EM-I), with further geographies TBD.
- Lead on identifying, aggregating and harmonizing demand for e-trucks across geographies.
- With the GFDT, exploring options for establishing a workable financing facility that could respond accordingly.
- The project would produce concrete investment opportunities that are presented at future investor roundtables.

E-buses

- WRI, TUMI and C40, amongst others, leading.
- Several regions – like India, Colombia, Brazil and Indonesia – have existing track records in e-bus implementation and offer substantial opportunities.
- In addition to gathering and curating demand, project would work with the TAP to develop a repository of knowledge (particularly on the means for financing).
- Also work with the GFDT, similarly to the e-trucks project.
- The project would produce concrete investment opportunities that are presented at future investor roundtables.

Case Study:
The ZEV Emerging Markets Initiative

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Zero Emission Vehicle Emerging Markets Initiative

- Launched at COP27 by WBCSD, US and UK governments under the ZEVTC umbrella
- ZEVEMI strengthens public-private collaboration to enable fast ZEV adoption in emerging economies

Radical collaboration

High-level dialogues with governments, businesses and investors to:

- Identify joint priorities
- Align roadmap
- Identify strategies for accelerating investments

Business leadership

Businesses committed to net-zero mobilize resources to craft collective agreements in markets of interest:

- Selection of markets of interest
- Commitment of resources for action-driven country activities
- Crafting collaborative agreements that can accelerate private investments and enabling policies

Lower risk investments

Businesses and investors design ZEV roadmaps and value chains in markets enabled by policy:

- Channels support from Finance institutions to identify mechanisms for de-risking investments

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ZEVEMI collaboration models

Demand & Pilot: Aggregating demand for market creation



Create a market for companies to adopt ZE MHDVs and **initiate large-scale operations** through collaboration

G20 Press Release, India: 15 companies signaled demand for 7,700 electric freight vehicles by 2030 and established a 5-pillar national strategy

Infrastructure: Data-informed corridor deployment



Optimize fleet OPEX by supporting planning and de-risking investments in charging infrastructure deployment

COP28 Press Release: Launch of the India Charging infrastructure data-sharing platform

Finance: Creation of bankable projects



Channeling international and private finance support (mechanisms, facilities, funds) to **de-risk and scale ZEV deployment**

COP28 Press Release: 60+ partners launching coordinated action under Collective for Clean Transport Finance

India Country Partnership

PARTNERSHIP LAUNCH

2023 HIGHLIGHTS

Partnership agreement



ZEV DIALOGUES (FEB-MAY)

The ZEV-EMI India dialogues in February (New Delhi) and May (ITF) channeled industry action across three common priorities:

- E-freight
- Infrastructure
- Investments in ZEV tech

DEFINED OBJECTIVES AND STRATEGIES (MAY)

I. Showcase a collective demand at the G20

II. Collaborate with e-FAST to implement a strategy

III. Work with businesses to mobilize investments



G20 / CEM14 (JULY)

At G20 and CEM, 15 companies signaled demand for 7,700 electric freight vehicles by 2030 and established a 5-pillar national strategy to enable large-scale pilot deployment by 2027.

COP28 (DEC)

- Announcement of India collaborative action
- Expanding action as part of ZEVTC 2030 roadmap
- Introducing India collaboration as blueprint for global replication (report)

Next step: mobilizing finance in the transition

Support initiating e-truck corridor operations by 2025/2026 and scale deployment to 15000 trucks by 2030

Facilitate charging infrastructure planning to channel investments

- Mobilizing businesses to share data to support planning
- Mobilizing businesses across infrastructure value chain to channel resources in accelerated deployment

Initiate Financing solutions to enable the e-trucks and infrastructure transition

- On-boarding of FIs Financing Transport
- Facilitating interactions with Guaranteed off takers and governments
- Identifying finance de-risking mechanisms for 1)Pilot 2) Scaled deployment

Please get in touch if any questions or you would like to find out more about how to access the support outlined in this presentation:

***Naomi White**, Head of Global ZEV Transition,*
Department for Energy Security and Net Zero, UK Government
Naomi.White@energysecurity.gov.uk

***Urska Skrt**, Mobility Manager,*
World Business Council for Sustainable Development (WBCSD)
urska.skrt@wbcsd.org

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Thank you for listening!