

ROADMAP TO 2030

ANNEX

OVERVIEW OF EXISTING INITIATIVES AND THEIR PLANS FOR 2024

Signatories of the COP27-launched [Global Commitment](#) requested an update of the international assistance landscape “to improve the transparency and accessibility of current assistance available, and to identify and address gaps or weaknesses in the current provision.”

The following presents a non-exhaustive list of global- and regional-level initiatives that, as of 2023, are actively supporting emerging markets and developing economies (EMDEs) in the electric mobility space, including in areas related to charging infrastructure and supply chains. The list also summarizes the recent activities of the initiatives and plans for the coming year.

We intend to continue identifying opportunities through the Zero Emission Vehicles Transition Council (ZEVTC) International Assistance Taskforce and wider [Global ZEV Transition Roadmap](#) delivery framework to further strengthen support and enhance coordination across the international landscape in 2024 and beyond.

[Accelerating to Zero \(A2Z\) Coalition](#)

Launched at COP26 by a leadership group of more than 100 countries, businesses, and organisations, the ZEV Declaration commits to working towards all sales of new cars and vans being zero-emission globally by 2040, and by no later than 2035 in leading markets. At COP27, the [A2Z Coalition](#) was launched to host the ZEV Declaration and provide a platform for the growing number of signatories—now over 220—to showcase their commitments, provide access to support and resources (including an international community of best practice), and track progress. For EMDE countries that have signed the ZEV Declaration, additional bespoke support—including via the ZEV Rapid Response Facility (see further details below)—is provided to help countries meet their ambitions.

[Asia-Pacific Initiative on Electric Mobility](#)

Coordinated by UN Economic and Social Commission for Asia and the Pacific (ESCAP), the [Initiative](#) aims to help accelerate the transition to electric mobility across the region. With a focus on public transport fleets, activities include enhancing regional and multi-sectoral collaboration, as well as strengthening countries’ capacity to formulate national policies and strategies. In 2023, the initiative convened regional and sub-regional knowledge exchange meetings and delivered training courses, including in collaboration with research and academic institutions. The initiative also launched a range of technical resources, such as the publication *Electric Mobility in Public Transport: A Guidebook for Asia-Pacific Countries* and national e-mobility policy framework reports for Cambodia, Georgia, Nepal, Lao People’s

Democratic Republic, and Thailand. In 2024, the focus will be to implement the Guidebook, support countries in identifying financing mechanisms, as well as further capacity building and training activities.

Climate Compatible Growth (CCG) Programme

The [CCG Programme](#), which is funded by the UK Government, supports investment in sustainable energy and transport systems to meet development priorities in EMDE countries. It carries out a range of research and capacity building activities to help countries develop economic strategies, plans, and policies to attract investment in low-carbon growth. It does this by bringing together research organisations, local researchers, governments, multilateral development banks (MDBs), and international organisations to identify appropriate low-carbon development pathways. In 2023, CCG worked on several country- and regional-level projects, as well as supported broader initiatives, such as the Energy Transition Council and the development of policy briefs to support their goals in the lead up to COP27. In 2024, CCG will continue project implementation, including running a series of capacity building courses and trainings for countries on energy and transport.

Clean Technology Fund (CTF)

The [CTF](#), a sub-fund of the Climate Investment Funds, is scaling its support for cleaner transportation in EMDEs, including through improving public transits, vehicle efficiencies, and grid systems, as well as supporting modal shifts to help individual countries adopt cleaner technologies. In 2024, the Climate Investment Fund is planning to launch a Climate Smart Urbanisation programme, which will include electric mobility and wider sustainable transport.

Climate Technology Centre and Network (CTCN)

Hosted by the UN Environment Programme, the [CTCN](#) is the implementation arm of the Technology Mechanism of the UN Framework Convention on Climate Change. It helps to accelerate the transfer of environmentally sound technologies for low carbon and climate resilient development at the request of countries. By leveraging a global network of technology companies and institutions, the CTCN provides countries with technology solutions, capacity building, and advice on policy, legal, and regulatory frameworks. Recent projects include the development of a framework for real-time public transport information systems in Greater Dhaka and technical capacity enhancement for planning an urban public transport system in Vientiane, Lao PDR. Projects on sustainable mobility will continue to be implemented in 2024, as aligned with the CTCN's 2023–2027 Work Programme.

Collective for Clean Transport Finance (CCTF)

Launched at COP27, the [CCTF](#) convenes the public sector (authorities, policymakers, market regulators, and governments), strategic finance groups (asset owners and managers, banks, and development finance institutions), and relevant industry leaders (original equipment manufacturers and industry networks) to collaborate, curate, and connect zero emission transport projects with potential investors. In the short-term, CCTF leaders from across sectors will work on lighthouse projects that demonstrate the relevance of radical collaboration. These include the Global Facility to Decarbonise Transport's Sub-Saharan Africa Regional Financing Facility, the electric freight accelerator in India, and the Collective's global electric bus stream. In the longer-term, the CCTF aims to institutionalise a process that can create a global deal flow, associated asset classes, and scale investments in zero-emission technologies. In 2024, the CCTF will continue to gather momentum, including across the flagship e-bus and e-trucks projects and by establishing an annual investors' roundtable.

Decarbonising Transport Initiative

Coordinated by the International Transport Forum, the [Decarbonising Transport Initiative](#) promotes carbon-neutral mobility by providing decision makers with tools to select CO2 mitigation measures that deliver on their climate commitments, thereby helping governments and industry to translate climate ambitions into actions. It does this through continually building its catalogue of effective CO2 mitigation measures on the [Transport Climate Action Directory](#), providing targeted analytical assistance for countries and partners, gathering and sharing evidence of best practice, as well as building a global policy dialogue. In 2024, the Initiative will continue to support countries by tracking progress, providing in-depth sectoral and focal studies, assessing policy levers to support national pathways, and organising global dialogues through high-level roundtables, policy briefings, and technical workshops.

E-mobility Program for Sustainable Cities in Latin America and the Caribbean

Led by the Inter-American Development Bank, the [Program](#) aims to support a shift to low-emission and resilient transportation systems across the region. Over its lifetime, the Programme will provide US\$450 million in concessional loans and grants to nine countries (Barbados, Chile, Colombia, Costa Rica, Dominican Republic, Jamaica, Panama, Paraguay, Uruguay), including US\$200 million concessional finance from the Green Climate Fund (US\$145 million in loans and US\$55 million in grants). In 2023, the Program focused on outreach activities and missions to initiate the identification, preparation, or consolidation of projects to be considered. One of its first projects will enhance public transportation infrastructure in the City of Panama. In 2024, in addition to continuing the Program's implementation, the Inter-American Development Bank will continue work to develop [EMOVILAC, a regional digital platform](#) to virtually connect electromobility stakeholders, promote technical training, foster knowledge sharing, and establish multi-sectoral communities of practice.

Energy Sector Management Assistance Programme (ESMAP)

[ESMAP](#), a World Bank programme, provides technical assistance to help shape global energy policies and leverage significant development financing, with the aims of achieving universal energy access by 2030 and advancing decarbonisation. ESMAP supports multiple projects across regions that focus in part on charging infrastructure, noting the promising potential and role of electric mobility in supporting the energy transition. For example, in 2023, a project was approved to support Cabo Verde's low carbon development pathway that includes the development of an e-mobility roadmap for Cabo Verde's public transport. In 2024, additional projects with a focus on e-mobility and cleaner public transport, will be investigated for potential future implementation.

Global Electric Mobility Programme (GP)

The [GP](#) is funded by the Global Environment Facility (GEF) and other donors, with implementation led by the UN Environment Programme, the International Energy Agency, the Asian Development Bank, the European Bank for Reconstruction and Development, and Centro de Movilidad Sostenible. The Programme consists of over 50 country projects, four regional support and investment platforms, and four global thematic Working Groups. In 2023, the GP continued a breadth of activities, including the compilation of knowledge products and publications, the delivery of national projects, as well as regional trainings and capacity building. This year also saw the next phase of the GP being successfully approved under the 8th cycle of GEF, including over 25 new country projects targeting zero emission mobility (bringing the total to close to 70 country projects) and a new end-of-life programme.

Global Facility to Decarbonize Transport (GFDT)

The [GFDT](#), a World Bank programme, aims to accelerate innovation and investment that enables EMDE countries to build safe, modern, inclusive, and resilient transport systems that are not emissions intensive. To help EMDE countries achieve low-carbon pathways to development, the GFDT supports in areas related to the development and delivery of knowledge products as well as project preparation. The GFDT launched its first tranche of projects at COP27, which included activities to accelerate energy transitions in transport through new energy vehicles, electrification, the promotion of public transport and active mobility, and the development of innovative financing and funding frameworks. This included projects in the Egypt, Ghana, India, Pacific Islands, Peru, the Sahel, and Sub-Saharan Africa. The second tranche of projects for 2024 and beyond will be announced in late 2023.

Global Fuel Economy Initiative (GFEI)

The [GFEI](#) is a partnership of organisations (including the FIA Foundation, the International Council on Clean Transportation, UN Environment Programme, International Energy Agency, International Transport Forum, and the University of California, Davis) that supports transport decarbonisation at the global, regional, country, and sub-national levels. In addition to data development and analysis of fuel economy potentials, the initiative provides support for national and regional policy-making efforts as well as outreach to stakeholders. In 2023, the GFEI engaged in the work of the International Assistance Taskforce, including leading its Country Projects and Partnerships Working Group. Drawing on the GFEI's extensive experience and network of 100 countries, the Working Group published the [report](#) *Facilitating a transition to Zero-Emission Vehicles in the Global South*, which has been used extensively to inform the development of the Global ZEV Transition Roadmap. This year, the GFEI also updated its toolkit and led on several global networking events and, in 2024, will continue its work to provide expert input into the International Assistance Taskforce and Roadmap activities, as well as continue its capacity-building work across regions.

Global Memorandum of Understanding on Zero Emission Medium- and Heavy-Duty Vehicles (Global MOU)

Launched at COP26, the [Global MOU](#) has been signed by 27 countries committed to working together to enable 100% zero-emission new truck and bus sales by 2040, with an interim goal of 30% zero-emission vehicle sales by 2030. Seven of the signatories are EMDEs who are currently being supported by CALSTART's Drive to Zero Program, the Government of the Netherlands, and wider partners through capacity building and technical assistance to deliver against this ambition. In 2023, the Zero Emission Vehicle Island Taskforce was established by and for small island state MOU signatories to provide a platform for experience and knowledge sharing. In 2024, this work will be further scaled, with formalised linkages also made to wider existing initiatives.

Global Platform for Sustainable Cities (GPSC)

Funded by the GEF as part of a broader Sustainable Cities Impact Program, the [GPSC](#) is a knowledge platform that supports cities and local governments in undertaking integrated urban planning, implementing policies, and investing in nature-positive, climate-resilient, and carbon-neutral urban development. Led by the World Bank in partnership with several international and regional organisations, a key focus is the development and delivery of multiple learning activities on nature-positive urban development, including sessions on greening cities and urban heat. In 2023, the GPSC's activities have contributed to policy development, planning, implementation, and capacity-building programs at the local, national, regional, and

global levels. In 2024, the GPSC will continue to focus on supporting integrated and inclusive urban planning, multilevel action policy development, and municipal finance, as well as knowledge-sharing and capacity-strengthening. In total, the GEF's Sustainable Cities program works with 50 cities across 17 countries, through US\$310 million in GEF grants, leveraging nearly US\$4 billion in co-financing.

Green Climate Fund (GCF)

The [GCF](#), the world's largest climate fund, aims to accelerate transformative climate action in EMDEs through a country-owned partnership approach that uses flexible financing and climate investment expertise. Several GCF projects have a focus on road transport. For example, the [India E-mobility Financing Program](#) launched in 2022 has a total of nearly US\$1.3bn co-financing with the private sector and is the GCF's first purely private sector transport programme. In late 2023, the second GCF replenishment process took place for its 2024–2027 strategic period, with transport being a key sector considered for future financing.

High Volume Transport (HVT) Applied Research Programme

The [Programme](#) provides transport research that aims to make transport safer, greener, more affordable, accessible, and inclusive in low-income countries. The Programme supports policy, engineering, and technical research into a range of cross-cutting areas, such as climate change mitigation and adaptation, inclusion, gender, road safety, policy and regulation, technology and innovation, and fragile and conflict-affected states, as well as research uptake and capacity building. In 2023, HVT announced nine new projects based in Africa and South Asia that will develop research aimed at improving aspects of transport systems in low- and middle-income countries. In addition, it launched support tools, organised several events to spotlight the challenges of achieving inclusive and greener transport, and produced the second series of its Reimagining Motion podcast. In 2024, the HVT Programme will continue implementing these activities and projects, including those under its current research cycle, to further support EMDE countries.

Mitigation Action Facility (MAF)

The [MAF](#) – previously called the Nationally Appropriate Mitigation Actions (NAMA) Facility – enables EMDE countries to reduce their emissions through implementing sectoral decarbonisation projects as building blocks of Nationally Determined Contribution (NDC) implementation. The MAF awards grant funding through competitive annual calls for project proposals, in which applicants, in partnership with Governments, can request up to approx. £20m (EUR 25m) over 4–7 years. It is currently supporting several ZEV transition projects with a focus on public fleets, including active programmes on sustainable transport in Cabo Verde and Nepal. In 2023, the MAF received over 300 project applications, of which 25 are being taken forward to the next phase of development. In 2024, a new funding round is likely, with a focus on hard-to-abate sectors, including energy, industry, and transport.

NDC Transport Initiative for Asia

The [Initiative](#) aims to facilitate a paradigm shift to zero-emission transport across Asia by supporting countries—with a focus on China, India, and Viet Nam—to develop and implement comprehensive decarbonisation strategies. At the regional and global level, the Initiative facilitates the sharing of experiences across countries and promotes multi-stakeholder coordination between the public and private sectors. In 2023, activities included developing and delivering capacity building and technical support, facilitating international peer learning, convening focus groups, and conducting analysis. In 2024, this work will continue in addition

to projects such as supporting Guangdong Province to develop a greenhouse gas and air pollutant peaking roadmap for transport, working with India to identify contributions of the transport sector to its 2030 NDC, and offering technical support for long-term planning in Viet Nam and Thailand. The Initiative is funded by the German Ministry of Economic Affairs and Climate Action through the International Climate Initiative, with projects jointly implemented by GIZ, International Council on Clean Transportation, International Transport Forum, Agora Verkehrswende, SLOCAT Partnership, REN 21, and World Resources Institute.

SOLUTIONSplus

[SOLUTIONSplus](#) is a global platform that supports city-level demonstrations and the sharing of public and commercial electromobility solutions. In 2023, SOLUTIONSplus saw the validation of 10 ongoing living labs that have been testing innovative e-mobility solutions. The programme has also seen the replication of actions and tools in over 10 additional cities across Africa, Asia, Latin America and the Caribbean, Eastern Europe, and West Asia. This year, SOLUTIONSplus continued the platform's capacity building activities and the scaling up of actions to foster the wider roll-out of solutions. In 2024, SOLUTIONSplus is scaling its comprehensive e-mobility [toolbox](#) and institutionalising knowledge sharing across its regional [hubs](#) in Asia, Africa, Europe, and the Americas, with each hub providing an open platform for co-creation and capacity building.

Soot Free Urban Bus Fleets Project

The [Project](#) is funded by the Climate and Clean Air Coalition and is being delivered by C40 Cities Climate Leadership Group, International Council on Clean Transportation, UN Environment Programme, and the Centro Mario Molina Chile. It targets 20 cities across Africa, Asia, Latin America, and the Caribbean by supporting the development of roadmaps and pilot projects for low-emission public transport, including electric buses. In 2023, the Project worked with countries to develop soot-free roadmaps and has been linking its activities on electric buses trainings with those under the Global Electric Mobility Programme. Work on these activities will continue in 2024.

Transformative Urban Mobility Initiative (TUMI) E-bus Mission

The [TUMI E-bus Mission](#) supports the deployment of electric buses in 20 selected cities across three regions. The Mission focuses on forming global- and city-level coalitions of private and public sector actors, developing electrification roadmaps and targets, and facilitating knowledge sharing through training and workshops within a broader city network. The mission will support cities with preparations for the procurement of 100,000 electric buses by 2025. Activities in 2023 included the continuation of technical support for the 20 selected cities; the realisation of financing academies and investor roundtables to progress with procurement processes; and the delivery of trainings, workshops, webinars and in-person city dialogues within the TUMI City Network. This work will continue in 2024, alongside the elaboration of recommendations on including gender equity, workforce wellbeing and circular economy aspects into electric bus deployment.

UK Partnering for Accelerated Climate Transitions (UK PACT)

[UK PACT](#) is a UK Government funded programme that supports EMDE countries with high mitigation potential to increase their climate ambition and implement related policies more rapidly, effectively, and equitably. The programme, which explicitly focuses on partner government's needs and priorities, supports projects related to electric mobility in several partner countries under the programme, including Colombia, Mexico, Indonesia, and India. In 2023, the majority

of UK PACT's work on transport has been in Indonesia, with activities continuing into 2024. Scoping is also underway in Thailand, which may lead to new transport-focused projects starting in future.

UrbanShift

Funded by the GEF as part of a broader Sustainable Cities Impact Program, [UrbanShift](#) is supporting 23 cities across 9 countries – with integrated urban planning, low-carbon infrastructure, sustainable waste management and nature-based solutions for urban sustainability. Led by UN Environment Programme (with implementing partners including World Resources Institute, C40 Cities, ICLEI, the World Bank and the Asian Development Bank), UrbanShift develops and delivers technical resources, training (including via the UrbanShift's City Academy) and facilitates knowledge exchange opportunities. In 2023, the initiative focused on project implementation across focus countries, launched a new online city academy for sustainable urban planning, published several key reports, and hosted a range of events, including its first Asia forum that convened public and private sector stakeholders to exchange knowledge on regional urban challenges and solutions. In 2024, the above activities will continue as well as work to develop a knowledge and learning platform that connects cities worldwide with the tools, training and advocacy needed to put strategies into action. In total, the GEF's Sustainable Cities program works with 50 cities across 17 countries, through US\$310 million in GEF grants, leveraging nearly US\$4 billion in co-financing.

Zero Emission Area Programme

The [Zero Emission Area Programme](#) supports Green and Healthy Streets signatory cities and partners who are seeking to establish a major area of their city as zero emission by 2030. For example, on-request support is provided for areas such as Low Emission Zones, Zero Emission Delivery Zones and congestion charging. In 2023, the Programme supported and implemented research, engagement, and capacity building across regions. In 2024, a series of webinars and training on equity and zero emission area transport policies are being planned, alongside trainings, workshops, webinars and in-person city dialogues for signatory cities and partners. In addition, the Programme will launch a coalition on clean air policies with doctors and other health sector professionals.

Zero Emission Bus Rapid-deployment Accelerator (ZEBRA) Initiative

The [ZEBRA Initiative](#) looks to accelerate the deployment of zero emission buses in major Latin American cities by providing direct support to cities (Bogotá, Medellín, Mexico City, Santiago, São Paulo and Valparaíso) and by carrying out work, in partnership with bus manufacturers and financial institutions, to establish a procurement pipeline of over 6,000 e-buses in the region. The initiative also focuses on knowledge sharing activities, including via the [E-Bus Radar](#) platform. In 2023, the ZEBRA Initiative supported the development of new tenders for e-buses in Santiago and Valparaíso, as well as new business models in São Paulo, and helped implement new e-bus projects in Mexico City, among other activities. In 2024, the ZEBRA Initiative will expand to South Africa and India, help develop national level financial mechanisms to foster e-bus adoption in Brazil and Colombia, as well as undertake wider work on battery degradation and convene an e-bus investors roundtable, among other actions.

ZEV Emerging Markets Initiative (ZEV-EM-I)

Launched at COP27 by the US and UK Governments, in partnership with the World Business Council for Sustainable Development, the ZEV-EM-I fosters focused dialogues across businesses and governments in EMDEs to help forge partnerships that can expedite private

investments and bolster supportive public policies to enable a faster transition to ZEVs. In 2023, the Initiative hosted a series of high-level public-private dialogues across selected EMDE countries to help shape collective action while aligning with the existing stakeholder efforts and national priorities. Along with shaping public-private agreements in EMDEs, the [ZEV-EM-I](#) convenes CEOs along the ZEV value chain to create transport decarbonization strategies and inform charging infrastructure roadmaps. This work will continue to be linked to the activities of the CCTF, the ZEV Country Partnership with India, and the ZEV Transition Council's Charging Infrastructure Taskforce. In 2024, the ZEV-EM-I will continue its collective action under the ZEV Country Partnership with India, including the e-freight and infrastructure workstream, and will shape collaborative agreements in two to three new EMDE markets.

ZEV Rapid Response Facility (ZEV-RRF)

Launched at COP27, the [ZEV-RRF](#) provides agile technical support to EMDE countries that are decarbonising their road transportation sectors and transitioning to zero-emission vehicles. It aims to execute short-term (18 months or less), tangible projects that could have wider implications on the development and implementation of strategies, policies and regulations. The ZEV-RRF provides EMDE countries with a single point of entry to navigate and access support providers and world-leading experts. In 2023, the focus under the ZEV-RRF was to scale its network, begin implementation of its first projects, engage recipient countries, and establish funding for bespoke technical support. In 2024, this work will continue to help further scale the ZEV-RRF and grow its project pipeline.

ZEVWISE

Launched in 2023, the ZEVWISE Initiative is being spearheaded by the Government of the Netherlands and provides a framework to coordinate technical support and expertise on medium- and heavy-duty vehicles as well as charging infrastructure. This year, the ZEVWISE Initiative focused on scaling its network of partners as well as delivering webinars and hosting events on financing the transition to zero emission transport and charging infrastructure-related subjects. Partners include the Government of the Netherlands, CALSTART's Drive to Zero program, International Council on Clean Transportation, the Smart Freight Centre, the U.S. Department of Energy, the UK Government, the Electric Vehicles Initiative, the World Bank, WBCSD, the International Transport Forum, and the UN Environment Programme. In 2024, ZEVWISE will explore how and where support could be enhanced for EMDE countries on these vehicle segments.