



**CLIMATE &
CLEAN AIR
COALITION**
TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS

 **globalgreenfreight.org**



GLOBAL GREEN FREIGHT

Summary of achievements, lessons learned, and future steps

The Climate and Clean Air Coalition (CCAC) launched the Global Green Freight Action Plan in 2015, with the aim to develop and align Green Freight programs worldwide while integrating black carbon and local air pollutants. Global Green Freight is officially supported by 24 nation-states and 32 non-state organizations. Since 2015, a group of organizations has advanced the action plan, completing key activities and achieving important milestones towards a cleaner and more efficient global goods movement. This briefing summarizes the achievements and lessons learned under Global Green Freight's three main goals and identifies future steps.

Align and enhance existing green freight efforts, develop and support new green freight programs globally, and incorporate black carbon reductions into green freight programs are Global Green Freight's three main goals. To support those goals the action plan established the development of several products and activities influencing essential areas of opportunity: communication and outreach, harmonization methodologies, and technical guidance materials. The table below summarizes the different products by type of action and the correspondent Global Green Freight goal.

Goal	Type	Product	Contact
Align and enhance existing Green Freight efforts	Communications and outreach	Africa workshop on Green Freight programs	United Nations Environment Programme (UNEP)
		Asia workshop on Green Freight programs	Clean Air Asia (CAA)
		Europe workshop on Green Freight programs	Smart Freight Center (SFC)
		Latin America workshop on Green Freight programs	International Council on Clean Transportation (ICCT)
	Harmonization methodologies	GLEC Framework for Logistics Emissions Methodologies	SFC
Develop and support new Green Freight programs globally	Communications and outreach	Global Green Freight website	ICCT
	Technical guidance materials	Guidance on how to develop a Green Freight program	U.S. Environmental Protection Agency (U.S. EPA)
		Training guide for technology verification programs	US EPA
		Freight assessment blueprint	ICCT
		Brazil freight assessment	ICCT
		Mexico freight assessment	ICCT
		Vietnam freight assessment	CAA
Incorporate black carbon reductions into Green Freight programs	Harmonization methodologies	Black Carbon Methodology for the Logistics Sector	SFC

Products and activities developed under the Global Green Freight Action Plan.

Communications and outreach

Bringing together government, industry, civil society and other experts to discuss Green Freight programs and opportunities is a key step in implementation, expansion, and harmonization. Activities focus on sharing data, methodologies and technical capacity, to facilitate the design of Green Freight programs and identifying resources to harness synergies and lessons learned to encourage further alignment across markets.

- As the central portal for information and guidance, the **Global Green Freight website** (www.globalgreenfreight.org) provides a central hub for accessing relevant technical

documents, past and upcoming events, and general guidance on facilitating the development and harmonization of national Green Freight programs.

- **Regional workshops** in Africa, Asia, Europe, and Latin America discussed Green Freight program benefits and opportunities as well as barriers for their implementation. The workshops also enabled collaboration among stakeholders for better use of resources and enhancement of current Green Freight programs.

Technical guidance materials

Guidance documents and technical materials are the foundation for Green Freight programs, and the initiative has produced a series of documents:

- The **freight assessment blueprint** is a step-by-step guide for analyzing current freight equipment and operations, and identifying institutional arrangements and stakeholder priorities to promote new Green Freight programs and other clean freight policies. This document enables national freight assessments with a common framework to collect data and information, which further facilitates comparisons and alignment across regions. Completed national freight assessments for Brazil, Mexico and Vietnam revealed important opportunities to improve freight efficiency through technology and operational strategies.
- **Training guides** to develop Green Freight and technology verification programs were presented at multiple venues, including a presentation by U.S. EPA at the Latin America workshop in June.

Harmonization methodologies

Harmonization methodologies were developed to align Green Freight programs worldwide, streamline resources, ensure transparency, and facilitate program adoption and comparison of benefits.

- **GLEC Framework for Logistics Emissions Methodology** allows companies to calculate and report greenhouse gas emissions consistently and transparently across all transport modes and transshipment centers.
- **Black Carbon Methodology for the Logistics Sector** provides guidance for the voluntary measurement and reporting of black carbon emissions from freight movements and is a supplement to the GLEC Framework.

Lessons learned and the pathway forward

Through the development of technical guidance materials, harmonization methodologies and active engagement with key stakeholders, we learned the following lessons, which will guide our future steps:

	Lesson learned	Future steps
Green Freight programs	As Green Freight programs drive energy efficiency improvements, technology innovation, and industrial competitiveness, they can bridge the gap between government and industry priorities.	Continue establishing Green Freight programs across the regions.

Other initiatives	In most regions government and industry are already investing in efficient freight initiatives, which can be leveraged to create regionally harmonized national Green Freight programs.	Ensure strategic alignment and coordination of existing initiatives towards the development and harmonization of Green Freight programs.
Business case	Companies need to understand how Green Freight programs benefit their business.	Present a strong business case when establishing new programs covering costs, compliance, and customers.
Technical capacity	Continued efforts to build technical capacity amongst relevant stakeholders are key to support the development and alignment of Green Freight programs.	Build technical capacity across relevant stakeholders through the development and communication of technical guidance materials and harmonization methodologies.
Data	Lack of sufficient and reliable public freight data hinders a greener and more efficient freight sector.	Develop technical studies and collect data to support clean freight policies and initiatives. Leverage new technologies (telematics, GPS, OBD) to collect freight data.
Technology verification	Public-private partnerships between government, industry, think-tanks and universities for technology testing can reduce costs, enhance transparency, improve results and encourage adoption of effective technologies.	Conduct technology verification testing to ensure the implementation of the most effective technologies. Use simulation tools to leverage real-world test results.
Methodologies	Consistent methodologies to calculate logistics emissions increase data credibility, comparability and usefulness for logistics business decisions. However, obtaining data differs between modes and countries.	Promote the standardization of methodologies to support green freight programs globally, as well as the development of country-specific data exchange systems and factors for fuel use.
Testing protocols	Consistent testing protocols for emission-reducing technologies and measures reduce compliance costs and collaboration between countries. However, conditions for technologies and measures differ between countries.	Promote the standardization of protocols to support green freight programs globally, while tailoring for specific local conditions.
Training	Training of drivers and fleet managers should be a key activity in Green Freight programs.	Share best practices for eco driving and introduce training courses for drivers and fleet managers.
Fleet renewal	A large share of freight is moved by very old equipment that takes a long time to retire and does not incorporate rapid technology innovation.	Secure financing for small carriers to support smart fleet renewal efforts, and scrap the dirtiest and least efficient equipment from fleets.

GLOBAL GREEN FREIGHT STEERING GROUP

