Greening Logistics

Smart Freight Centre

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Smart Freight Centre

We mobilize the global logistics ecosystem in tracking and reducing its greenhouse gas emissions.

The logistics and transportation sector was responsible for

3.855.000.000

Tonnes of C02 emissions in 2015

If no action is taken

This number is set to double by 2050

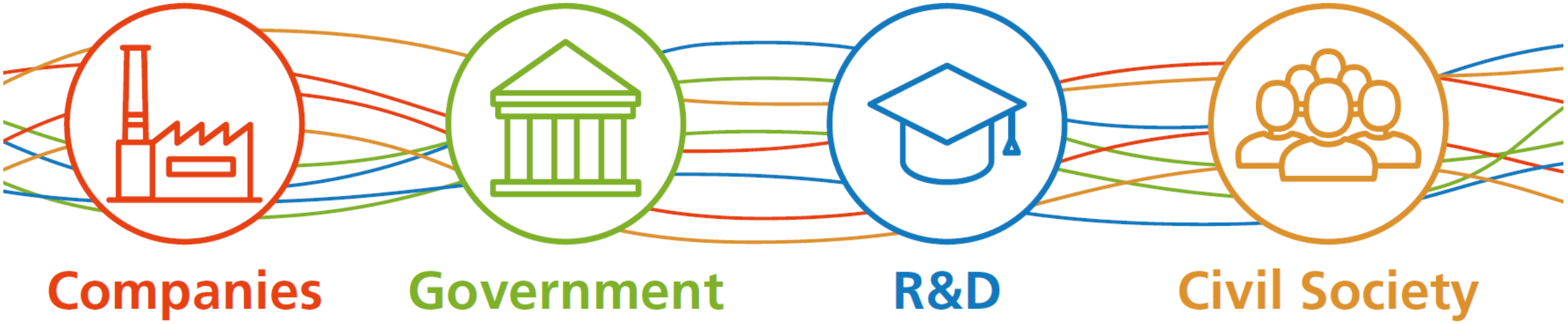
Logistics GHG Emissions in Context

Transport Emissions: 25-35% of manmade GHG emissions

Logistics Emissions: 33% of Transport GHG emissions

No single company can solve this alone.

Collaboration between all actors is critical



Smart Freight Centre convenes and leads global communities

GLEC Global Logistics Emissions Council

Methods and guidance to decarbonizing logistics

Clean Cargo

Decarbonization Pathways Marine Transportation

Clean Air Transport

Decarbonize Air Transport

Sustainable Freight Buyers Alliance

Uniting freight buyers for joint action

Smart Freight Centre China

Decarbonize Freight in China

Smart Freight Centre India

Decarbonize Freight in India

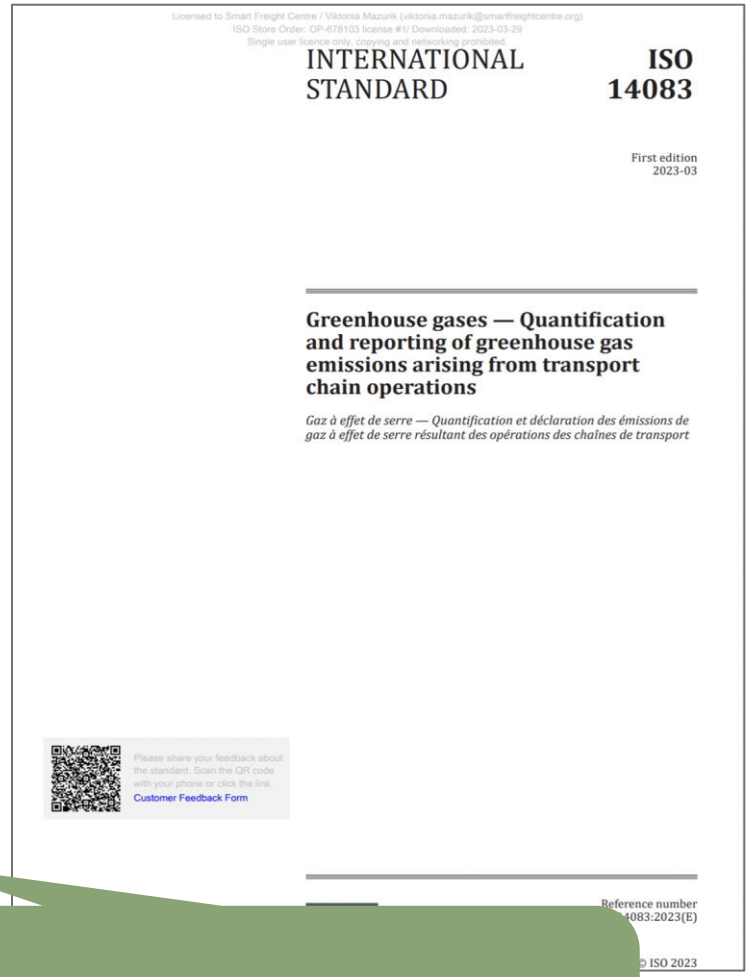
And work with all to **track** and **reduce** logistics emissions



Tracking your emissions

The new norm for logistics emissions accounting





The basis of CSRD and CountEmissionsEU

The **only globally** recognized **methodology** to calculate GHG emissions consistently across multi-modal logistics supply chains.

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GLEC Framework 3.0 Chinese version launch !



扫码下载



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Reducing logistics greenhouse gas emissions across corridors requires you to take action.

Taking action

Buyer (shipper) influence

Bigger role for logistics Procurement

FREIGHT DEMAND GROWTH IS MANAGED



- Supply chain restructuring
- Localization and nearshoring
- Decentralization of production and stockholding
- 3D printing
- Dematerialization
- Consumer behavior

TRANSPORT MODES ARE SMARTLY USED AND COMBINED



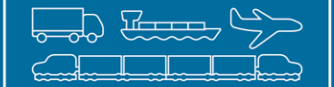
- Increased use of rail
- Increased use of short sea shipping and inland waterways
- Modular road transport
- Cargo bikes
- Multi-modal optimization
- Synchromodality

FLEETS AND ASSETS ARE SHARED AND USED TO THE MAX



- Load optimization
- Load consolidation and asset sharing
- Reduce empty moves
- Modular packaging and boxes
- Open transport networks and warehouses.
- Increase storage density and energy efficiency

FLEETS AND ASSETS ARE ENERGY EFFICIENT



- Cleaner and efficient technologies
- Efficient vehicles and vessels
- High capacity vehicles and vessels / duo trailers
- Driving behavior
- Fleet operation
- Fleet maintenance

FLEETS AND ASSETS USE LOWEST EMISSIONS ENERGY SOURCE FEASIBLE



- Electric / hybrids
- Solar / Wind
- Biofuels
- Hydrogen
- CNG/bio-LNG
- Cleaner diesel
- Fuel management

Bigger role for corporate strategy

Supplier (carrier) influence



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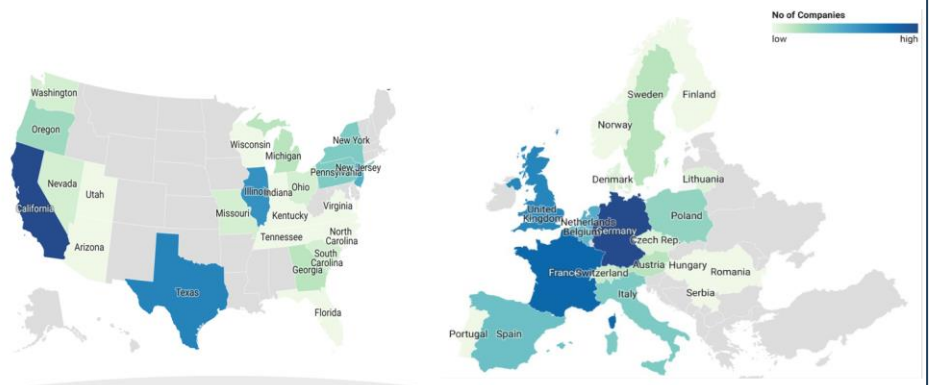
Collaboration in practice

Corridors are globally being deployed

The e-truck deployment focus of participants is concentrated in areas with high economic activity



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We are joining forces with PSNM to decarbonize transport along major corridors in Poland

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&

psnm NEW MOBILITY ASSOCIATION



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We are working with Port of Rotterdam and Maersk on electrifying port drayage

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&

MAERSK

&

Port of Rotterdam



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We will decarbonize transport along Interstate-10

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&

TeraWatt



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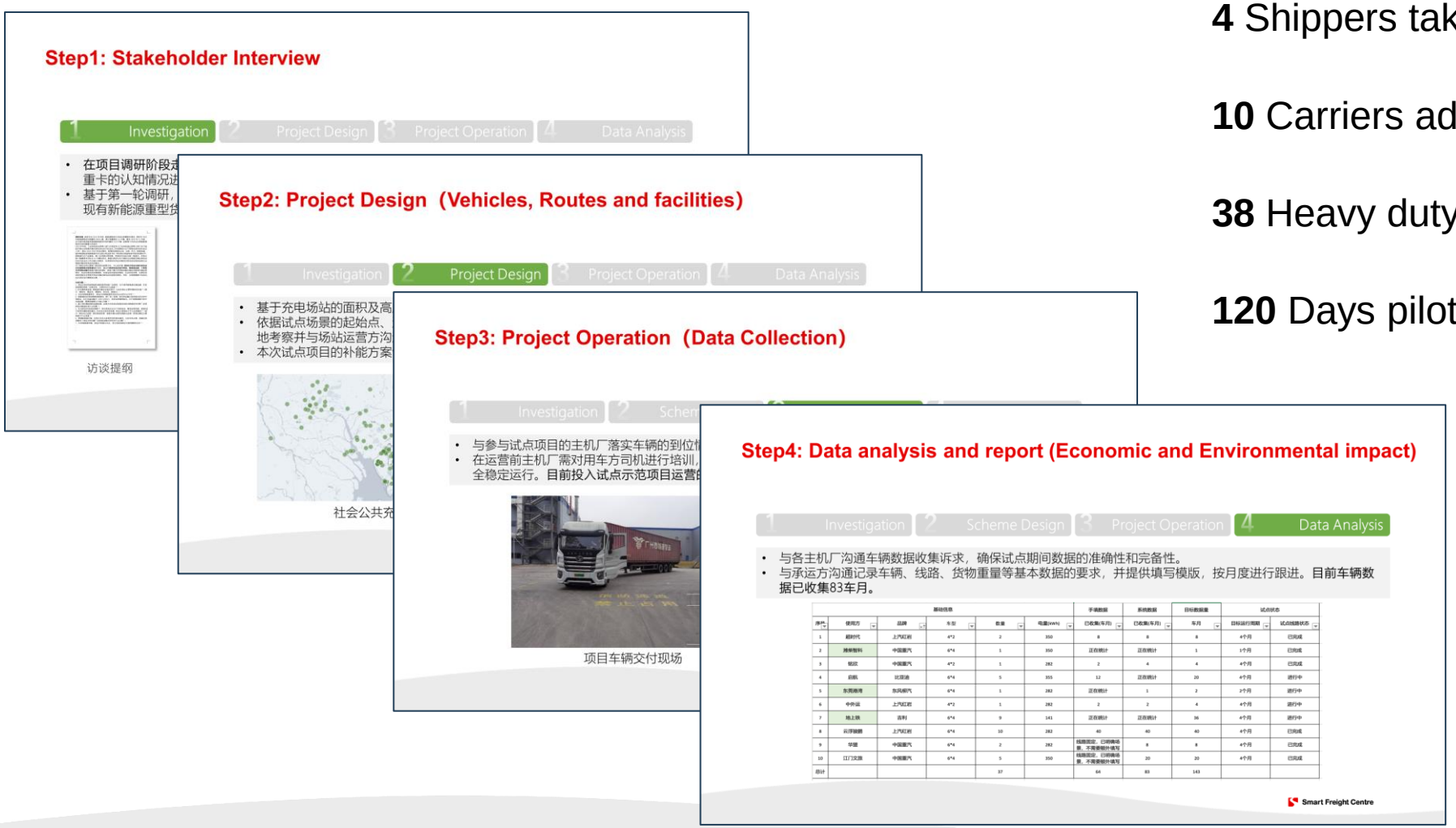
Corridors are globally being deployed
China Greater Bay Area Heavy Duty Electrified Vehicle pilot project launched



4 Shippers take leadership

10 Carriers adopt EVs

38 Heavy duty electrified vehicles applied

120 Days pilot operation cycle

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Working together towards efficient and low emissions, safe and inclusive freight in the Northern and Central Corridors and countries of East Africa.



Well-established and mobilized freight ecosystem

Convening and engaging stakeholders across the sector to develop a well established and mobilized freight ecosystem.



Complete transparency of emissions

Ensuring calculation and reporting of emissions is enabled through data collection and follows a standard methodology of GLEC framework and ISO1408



Efficient and low-emission truck fleets

Improving existing fleet, optimizing freight, and enhancing intermodality is key towards building efficient and low-emission truck fleets.



Initiating Electric truck roll-out along corridors

Demonstrating economic viability and demand signals is crucial to beginning the electric truck roll out along the Northern and Central corridors.



Empowering leaders, professionals and industry players

Educating, empowering, and building capacity within the program network will be vital for the success and sustainability of the Green Freight Program.

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KÜHNE CLIMATE CENTER

CENTRAL CORRIDOR

Northern Corridor Transit and Transport Co-ordination Authority

UN environment programme

CLIMATE & CLEAN AIR COALITION

giz

Shippers Council of Eastern Africa

FEAFFA

TRADE MARK AFRICA

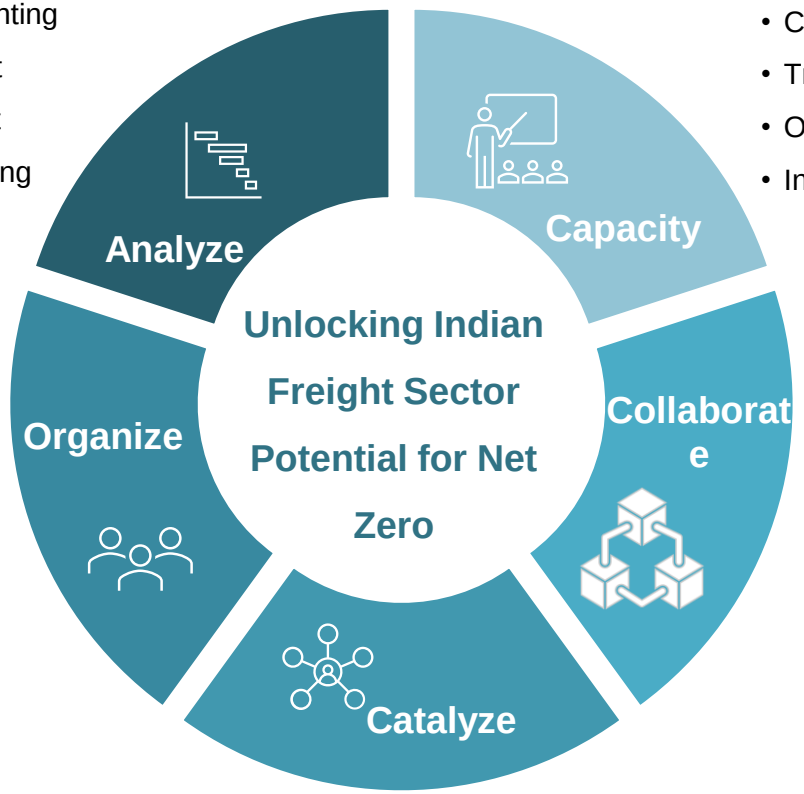
SFC India: Focus Areas

1. Quantify GHG footprint for action

- Institutionalize standardized emissions accounting
- Methodology development & GLEC alignment
- Awareness, Advocacy and external alignment
- Guidance and support on Emissions Accounting

2. Organize Shippers community

- Convene Shippers and LSPs with green freight vision
- Build emissions hygiene and establish ZET ambitions
- Establish collaborative models for ZET adoption
- Enable access to Global Shippers community



3. Catalyze ecosystem development

- Identify ecosystem barriers and mitigation strategies
- Collaborate with Policy for strategic road mapping for freight decarbonization
- Engage key stakeholders for Finance and tech enablement
- Catalyze partnerships and exchanges among stakeholders

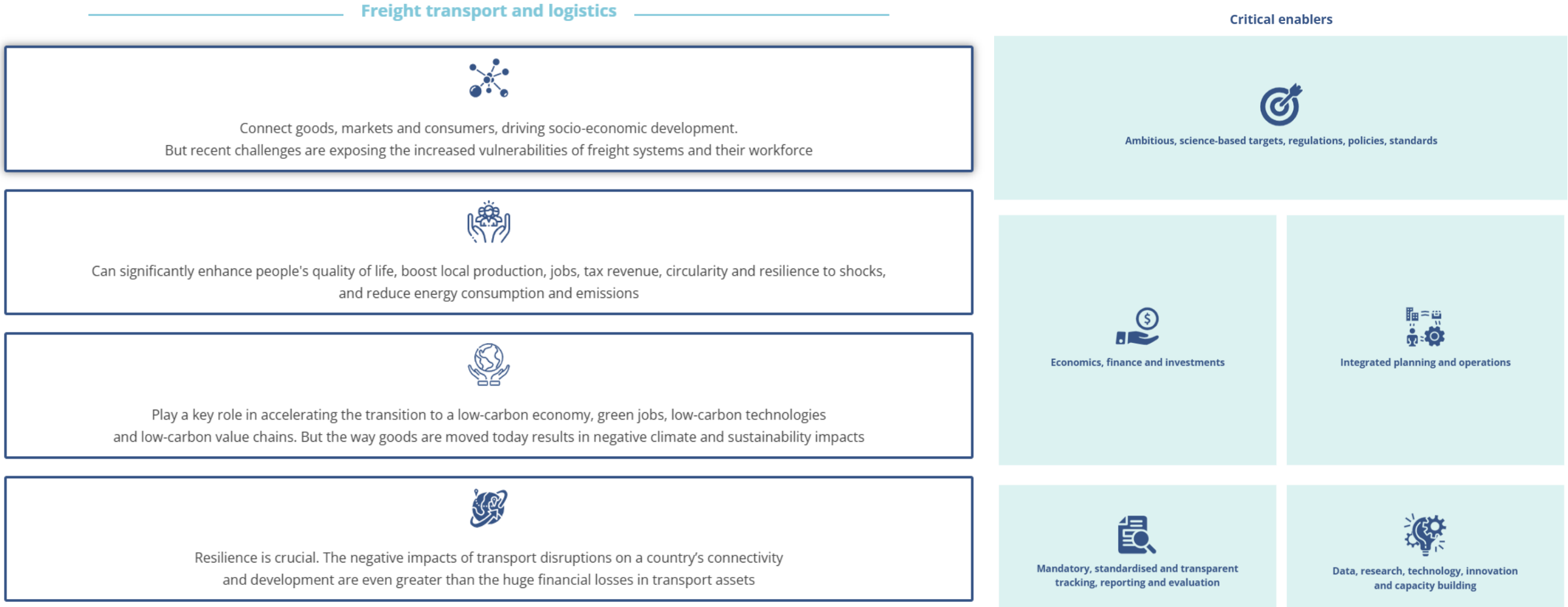
4. Collaborate on decarbonization projects

- Support Industry partners on ZET adoption strategy
- Establish a segmented framework for ZET adoption
- Co-develop business case and implementation roadmap
- Guidance and support on Emissions Accounting

5. Training and seminars

- Capacity development integral to all India programs
- Trainings and Cross border knowledge exchange
- Organize thematic knowledge share sessions and workshops
- Incubate large scale ZET centric event in partnership with GOI

Manifesto on Intermodal Logistics and its enablers:



See: [Manifesto for intermodal, low-carbon, efficient and resilient freight transport and logistics - SLOCAT]

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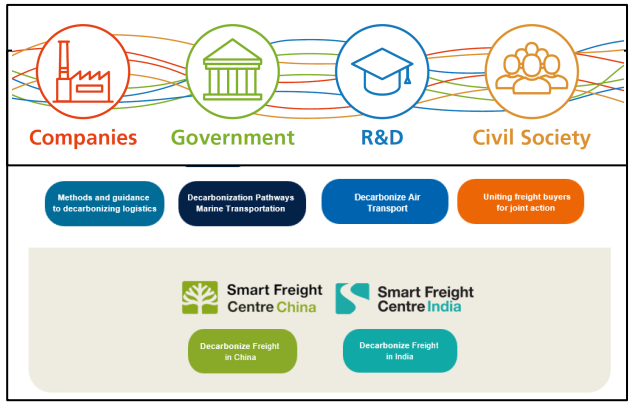

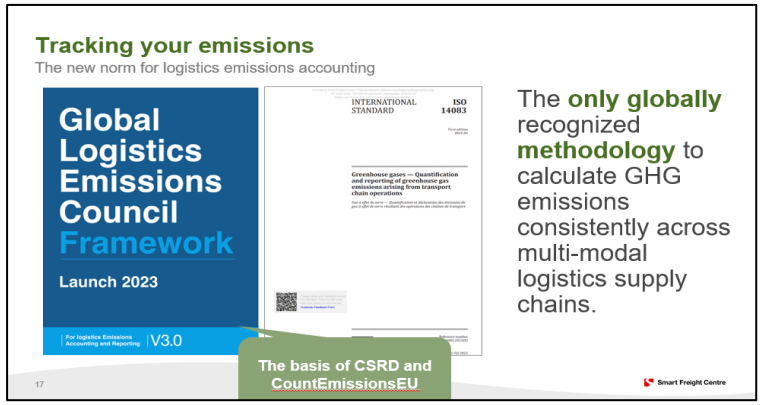

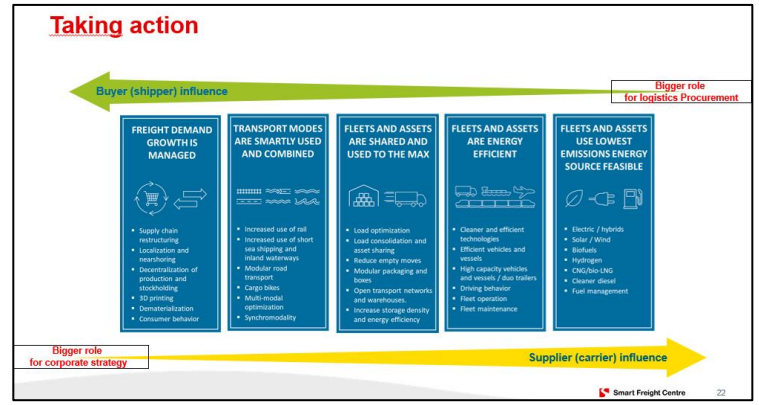

To achieve net zero, we need to mobilize the global logistics ecosystem in tracking and reducing its greenhouse gas emissions.

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Thank you for your attention.

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