




# UNCTAD Toolkit for Sustainable Freight Transport

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- Over recent years, sustainable transport has been given particular consideration within the framework of global sustainable development, as illustrated by the outcomes of the United Nations Conference on Sustainable Development (RIO+20) (**the future we want, 2012**), and UNCTAD XIII (**Doha mandate, 2012**) and UNCTAD XIV (**MAAFIKIANO, mandate 2016**).
- In addition, the United Nations General Assembly adopted the resolution on the "**Role of transport and transit corridors in ensuring international cooperation, stability and sustainable development**" in 2014, and recognizing the fundamental role of sustainable transport in fighting climate change and achieving the sustainable future we want, Secretary-General Ban Ki-Moon convened the first ever **Global Conference on Sustainable Transport**, in 2016 in Ashgabat, Turkmenistan.

 Accordingly, UNCTAD has, over recent years, intensified its efforts to mainstream the concept of sustainability into its various areas of activities.



# Why Sustainable Freight Transport (SFT) Toolkit?

The importance of freight transport as a trade enabler, engine of growth and a driver of social development is widely recognized. However, the associated adverse impacts of freight transport activity on the environment, human health and climate are also cause for concern.

If left unchecked, unsustainable patterns are likely to undermine any progress made to the implementation of the 2030 Agenda for Sustainable Development and the 2015 Paris Climate Agreement.



## KEY DATA

Global **freight transport volumes** are projected to **grow 4 time by 2050**, driven in particular by economic growth in developing countries.

- Freight transport energy consumption could increase by **60% from 2012 to 2050 under business-as-usual scenario.**

- Freight transport activity currently account for **7% of Global economy-wide GHG emissions** and are expected to grow by a factor of **3.9 by 2050.**

- Freight transport activity accounts for about **35-60% of total logistics cost depending on commodity type and supply chain.**

- Transport-related externalities, road accidents, congestion, air pollution in many developing countries accounts for **6-10% of GDP.**



# Transport and Trade Facilitation and Linkages to SDGs

## UNCTAD's View



### 1.a Poverty

1.5 Resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events

3.6 Deaths and injuries from road traffic accidents.

3.9 Deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.

7.3 Energy efficiency

8.2 Productivity of economies through diversification, technological upgrading and innovation.

9.1 Quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure

9.a Sustainable and resilient infrastructure development

9.C Access to information and communications technology

10.a Special and differential treatment for developing countries

11.2 Access to safe, affordable, accessible and sustainable transport systems for all

11.b Sustainable and resilient cities and human settlements

11.6 Environmental impact of cities

12.C Fuel subsidies

13.1 Resilience and adaptive capacity to climate-related hazards and natural disasters

13.2 Climate change and national policies, strategies and planning

13.3 Education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation

14.1 Marine pollution of all kinds

14.2 Sustainably manage and protect marine and coastal ecosystems to

14.7 Economic benefits to SIDS and LDCS from the sustainable use of marine resources

14.c Conservation and sustainable use of oceans and their resources

16.5 Reducing corruption and bribery

16.6 Accountable and transparent institutions

16.7 Responsive, inclusive, participatory and representative decision-making

16.10 Public access to information and protect fundamental freedoms.

16.B Promote and enforce non-discriminatory laws and policies for sustainable development.

17.3 Mobilize additional financial resources for developing countries from multiple sources

17.10 Promote a universal, rules-based, open, non-discriminatory and equitable multilateral trading system under the WTO

17.11 Increase the exports of developing countries, in particular with a view to doubling the least developed countries' share of global exports

17.12 Timely implementation of duty-free and quota-free market access on a lasting basis for all least developed countries

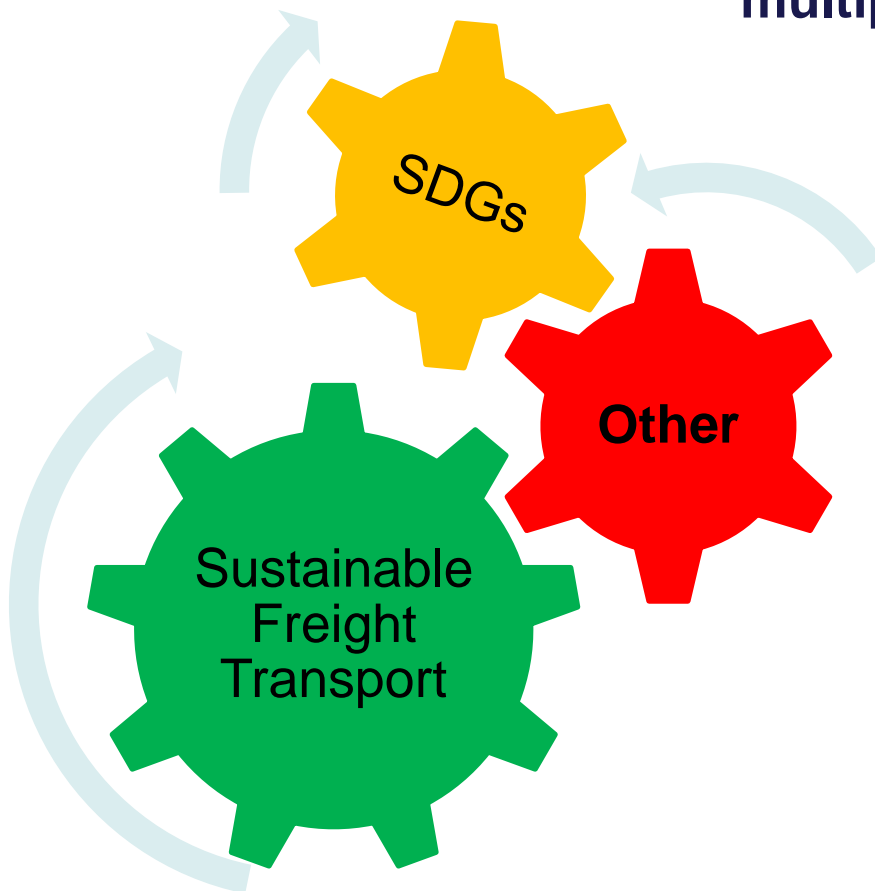
17.14 Enhance policy coherence for sustainable development.

17.17 Encourage and promote effective public, public-private, and civil society partnerships, building on the experience and resourcing strategies of partnerships.



# Sustainable Freight Links to Other International Processes

Making freight transport more sustainable promotes achievement of multiple international development agendas



- New Urban Agenda
- Paris Agreement
- Addis Ababa Action Agenda
- Sendai Framework for Disaster Risk Reduction
- Vienna Programme of Action for LLDCs
- SIDS Accelerated Modalities of Action (SAMOA) Pathway
- Decade of Action for Road Safety
- Istanbul Programme of Action for LDCs



# What is Sustainable Freight Transport?





By promoting to **sustainable freight transport systems** today, developing countries will be better prepared to reap future economic, social and environment benefits.

- Promoting sustainable freight transport systems provides an opportunity for developing countries to work towards improving efficiencies in freight transport, addressing the transport infrastructure needs and capacity requirements, while at the same time reducing the sector's negative externalities.
- Not seizing this opportunity may lead to increased future costs, including in terms of retrofitting existing infrastructure and equipment, shifting to new technologies and changing operating practices - given the long life cycles of transport infrastructure and assets that can lock in unsustainable patterns.

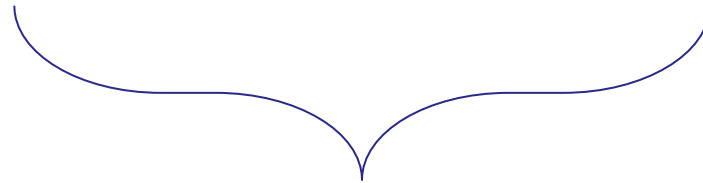


- UNCTAD has, over recent years, intensified its work on sustainable freight transport to help developing countries **mainstreaming sustainability considerations into their freight transport-related policies, plans, operations, and investment decisions.**
- UNCTAD's interventions aim to build and strengthen the capacity of key freight transport stakeholders, including government authorities, policy makers, transport infrastructure managers, freight transport and logistic service providers, and shippers, to **effectively plan, design, develop, and implement sustainable freight transport solutions.**



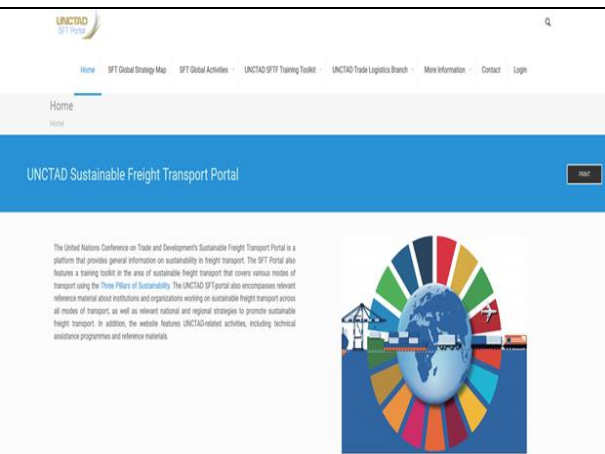


# UNCTAD SFT TOOLKIT



## 1) UNCTAD SFT Portal

<https://unctadsftportal.org/>



## 2) Training Programme

## 3) UNCTAD SFT Framework

<https://sft-framework.org/>



# 1) UNCTAD SFT Portal

<https://unctadsftportal.org/>

# 1) UNCTAD SFT Portal



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## UNCTAD Sustainable Freight Transport Portal

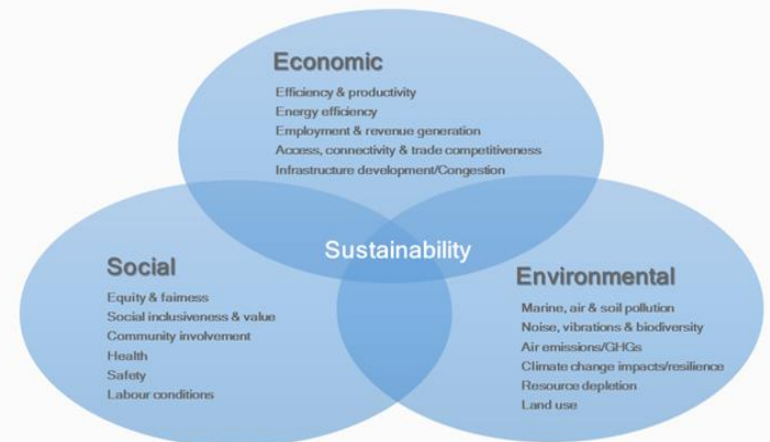
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The United Nations Conference on Trade and Development's Sustainable Freight Transport Portal is a platform that provides general information on sustainability in freight transport. The SFT Portal also features a training toolkit in the area of sustainable freight transport that covers various modes of transport using the [Three Pillars of Sustainability](#). The UNCTAD SFT-portal also encompasses relevant reference material about institutions and organizations working on sustainable freight transport across all modes of transport, as well as relevant national and regional strategies to promote sustainable freight transport. In addition, the website features UNCTAD-related activities, including technical assistance programmes and reference materials.



The three pillars of sustainable freight transport

UNCTAD SFT Portal is a platform that provides general information, best practices, and material related to sustainability in freight transport - across various modes (maritime, road, rail, aviation), using the three **pillars of sustainability**.



# 1) UNCTAD SFT Portal (continue)



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## Sustainable Freight Transport Map

Home > Sustainable Freight Transport Map

This map represents selected relevant national and regional strategies aimed at promoting sustainable freight transport in the respective countries or regions. More content is coming soon!

You can search for countries by either clicking on the pins on the map or by using the search function under the map. National strategies are shown with red pins on the map, regional strategies with green pins.

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Disclaimer: While every effort is made to ensure the accuracy and completeness of the SFT-Map, UNCTAD assumes no responsibility for eventual errors or omissions. In the event of doubt regarding the content of the SFT-Map, it is suggested that you contact us by using the online contact form. The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. Last edited: February 2016.

**i) SFT Map** - is an interactive map which allows to easily identify selected national and regional strategies aimed at promoting SFT in various countries or regions.

# 1) UNCTAD SFT Portal (continue)



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## Sustainable Freight Transport Global Programmes and Activities

[Home](#) > [Sustainable Freight Transport Global Programmes and Activities](#)

UNCTAD's SFT-Global Programmes and Activities provide relevant information about institutions and organizations working on sustainable freight transport across all modes of transport. We also provide information of organizations that offer funding in this area.

Please choose a mode of transport in the picture below (maritime transport, ports, road transport, aviation, rail transport) by clicking on the yellow buttons. You may access a list of organizations and institutions working on more than one mode of transport or on financing options (multi-modal transport financing) by clicking on the blue buttons. You may also access the complete list of organizations and institutions by clicking on the link below the picture.

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[Click here to see the listed organizations.](#)

ii) **SFT Global Activities** allows users to easily search and access information about institutions and organizations working on SFT across all modes of transport.

# 1) UNCTAD SFT Portal (continue)

UNCTAD Sustainable Freight Transport and Finance Training Toolkit

The following training toolkit features modules that outline the principles of sustainable transport and the type of investments needed to develop sustainable transport infrastructure. It also provides a compilation of case studies and guidance on possible financing mechanisms such as Public Private Partnerships.

To access the toolkit, click on the modules below.



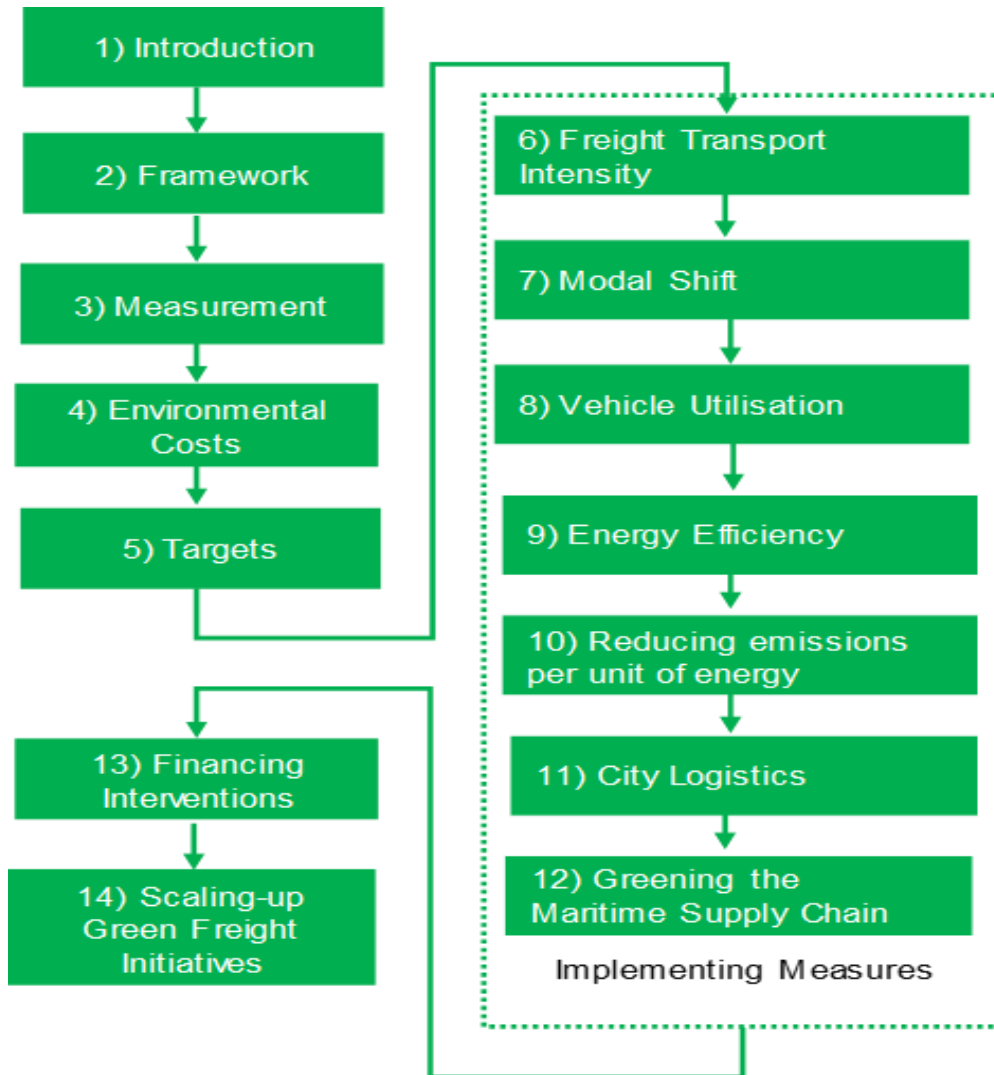
**iii) SFT Online Training Modules/Case studies/Best practices** aims to build and strengthen the capacity, skills, and knowledge of freight transport stakeholders (public and private) interested in advancing the sustainable freight transport agenda.

## 2) UNCTAD SFT Training Programme



# 2) UNCTAD SFT Training Programme

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT



**Dedicated comprehensive training programme** that covers: all modes of transport, multimodal and corridors, as well as city logistics and urban freight transport, and finance.

The training can be tailored to suit the expectations and needs of various stakeholders from developing countries, different regions.

The UNCTAD sustainable freight training course consists currently of 14 modules comprising numerous PowerPoint presentations.



### 3) UNCTAD SFT Framework

<https://sft-framework.org/>

## 2) UNCTAD SFT Framework



FRAMEWORK ▾

STEPS ▾

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### UNCTAD Framework for Sustainable Freight Transport

A step-by-step methodology and practical tools to support sound sustainable freight transport decision-making processes.

Self-Assessment

Key Performance Indicators

Sustainable Freight Transport Measures



**UNCTAD SFT Framework** is a web-based step-by-step methodology that help in planning, designing, developing, and implementing adequate strategies that promote sustainable freight transport systems.

The Framework is applicable within and across modes of transport and to different stakeholders (public and private) and in various geographical areas (national, regional, corridor, rural/urban, etc.)

# 3) UNCTAD SFT Framework (continue)

## SFT Framework at a Glance

The UNCTAD SFT Framework is articulated around **six Steps** (Diagnosis, Visioning, Targets, Implementation, Partnership and Programme, Monitoring and Evaluation), one set of crosscutting **Enabling Factors**, and twenty-seven detailed substeps. The Framework provides a modular step-by-step methodology to planning, designing, developing, and implementing sustainable freight transport strategies.

Applicable within and across modes of transport and to different stakeholders and in various geographical areas, the methodology is flexible and can be modulated to allow for some steps to be carried out in parallel. Substeps and related activities can also be adapted to reflect stakeholders' varying needs, resources and priorities.

The SFT Framework allows for a circular process in which a monitoring and evaluation exercise is undertaken at the end of the cycle and following implementation of the sustainable freight transport strategy. The figures below provide a graphical illustration.

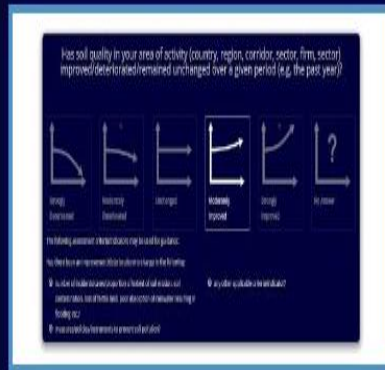


- The UNCTAD SFT Framework is articulated around six Steps (**Diagnosis, Visioning, Targets, Implementation, Partnership & Programme, Monitoring & Evaluation**) and one set of crosscutting **Enabling Factors**.

- The target audience of the Framework spans all relevant players (public and private) from within and outside the freight transport sector.

# 3) UNCTAD SFT Framework (continue)

## Tools



Self-Assessment

The screenshot shows a table of Key Performance Indicators (KPIs) with a search bar at the top. The table has columns for 'Indicator', 'Unit', 'Metric', 'Type', and 'Status'. The indicators listed include 'WCO Cargo Capacity', 'Infrastructure Quality', 'Annual Change in the percentage contribution of transport and storage industry to national Gross Domestic Product (GDP)', and 'Annual losses of ships'. The table is filtered to show 4 results.

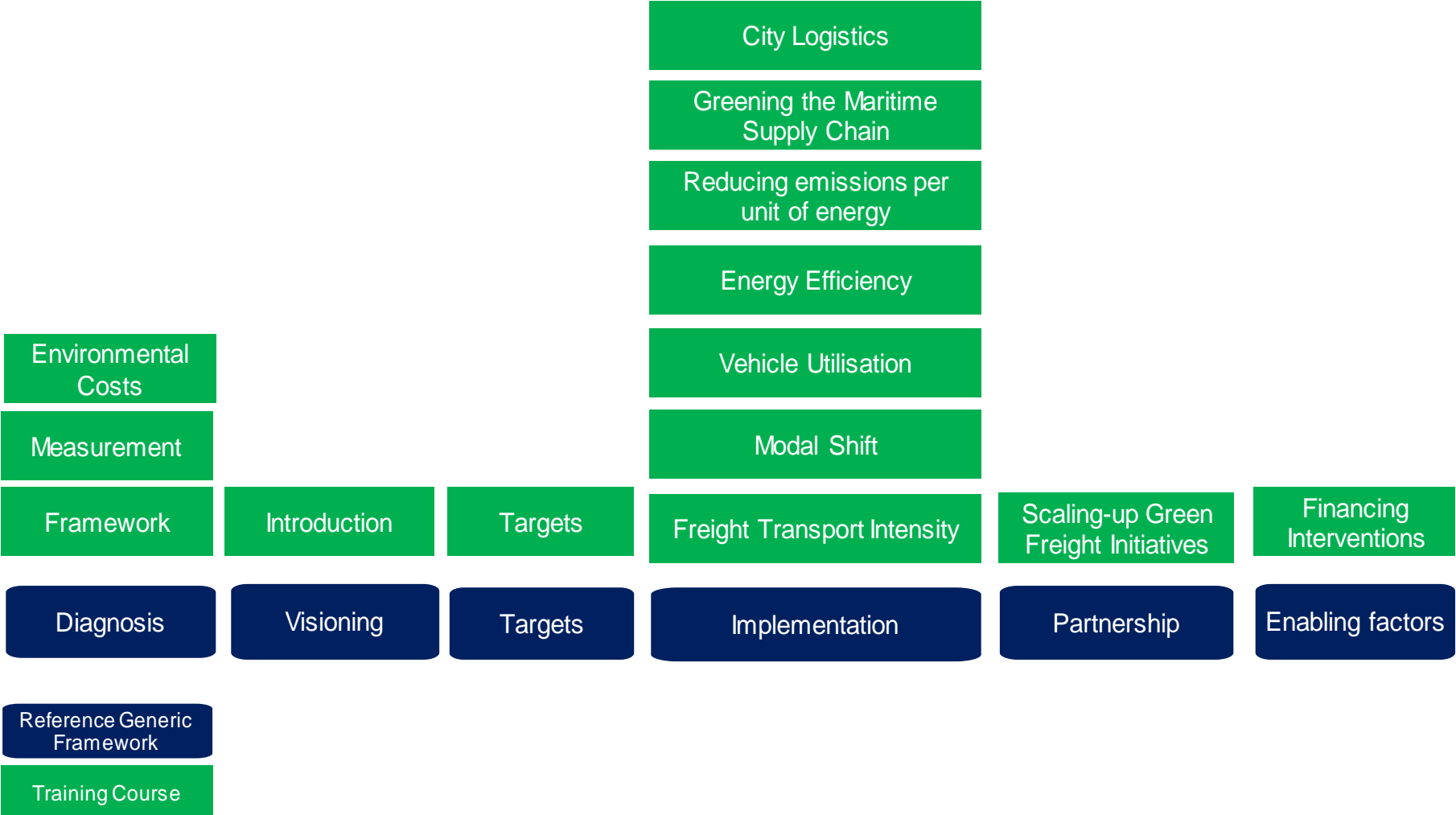
Key Performance Indicators

The screenshot shows a table of Sustainable Freight Transport Measures with a search bar at the top. The table has columns for 'Measure', 'Dimension of Sustainability (Economic/Environmental/Social)', 'Type', 'Cost', 'Type of Technology', and 'Environment'. The measures listed include 'Development of linking ports', 'Grouping of port calls for operations (PUSH/SHIP)', 'Sustainable cargo vessels in shipping', 'Accessibility (Accessibility)', 'Access and Circulation Plan', and 'Reliability and safety in shipping'. The table is filtered to show 6 results.

Sustainable Freight Transport Measures

- i. **A Self-Assessment Questionnaire:** allows for a qualitative evaluation of the current status and performance of freight transport along the three dimensions of sustainable transport (economic, environmental and social).
- ii. **A filterable Key Performance Indicators (KPIs) List:** features more than 250 indicators related to sustainable freight transport. These can be used to measure performance and progress against the objectives set in the sustainable freight transport strategy.
- iii. **A Sustainable Freight Transport Measures Catalogue:** includes more than 300 measures that can support the design and implementation of a sustainable freight transport strategy.

# UNCTAD SFT Training Modules with UNCTAD SFT Framework



**Thank you**

**Email: [transport.section@unctad.org](mailto:transport.section@unctad.org)**