



# The future of greenhouse gas emission accounting in the logistics sector:

ISO 14083, GLEC Framework and the SFC Conformity Assessment Scheme



# Agenda

Pieter Leonard

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## 1 Welcome & Introduction

Alan Lewis

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## 2 Increasing importance of carbon accounting and how GLEC helps companies to implement ISO 14083

## 3 GLEC Framework 3.0 what is new?

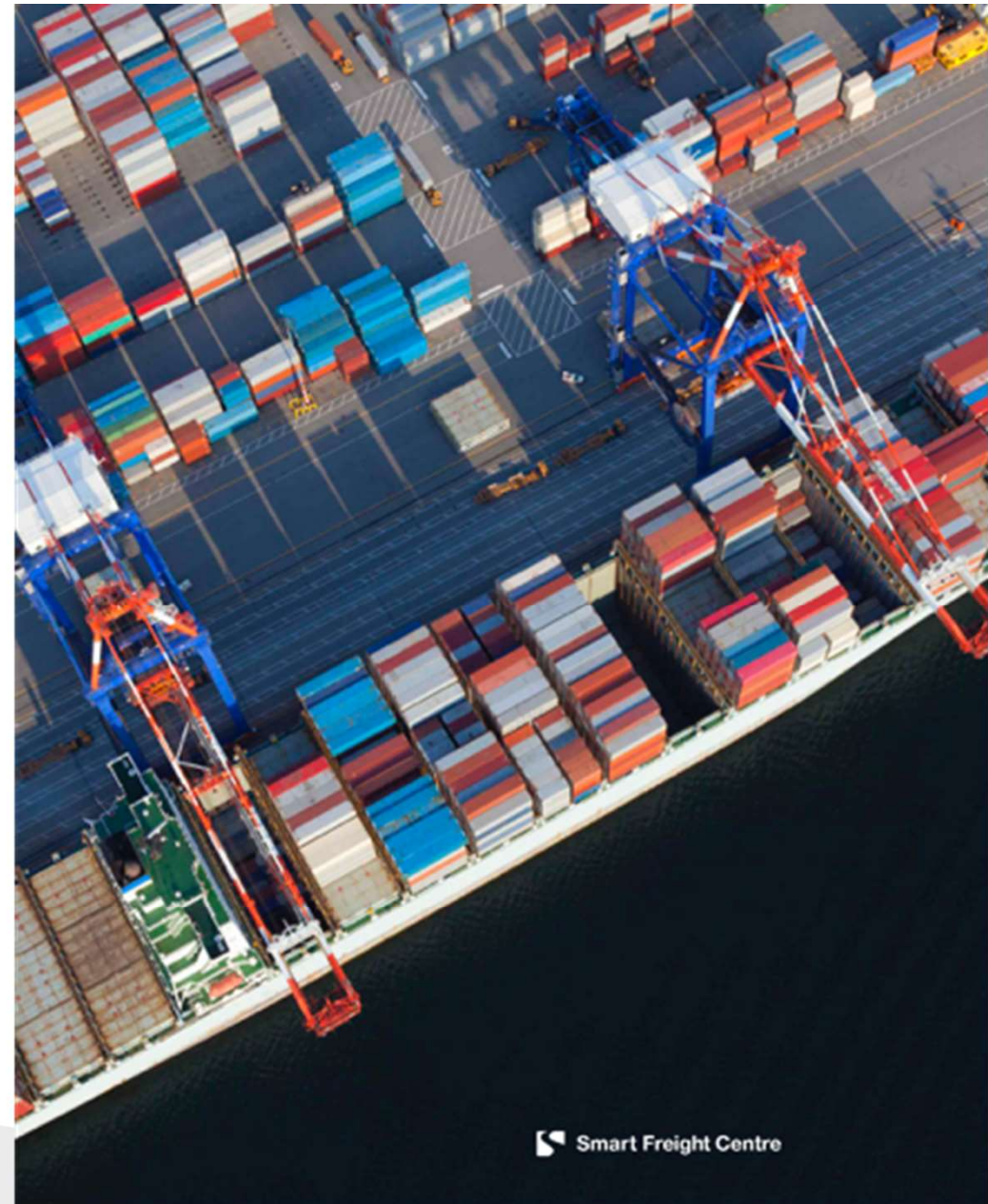
? Questions & Answers

Ana Dahlin

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## 4 Overview of Smart Freight Centre's Conformity Assessment Scheme

? Questions & Answers



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**Increasing importance of carbon accounting and how  
GLEC helps companies to implement ISO 14083**

# Increasing importance of carbon accounting

And how the GLEC Framework helps companies prepare



GHG emissions have become the default metric for communicating climate sustainability between buyers, suppliers, investors, customers, governments and beyond.



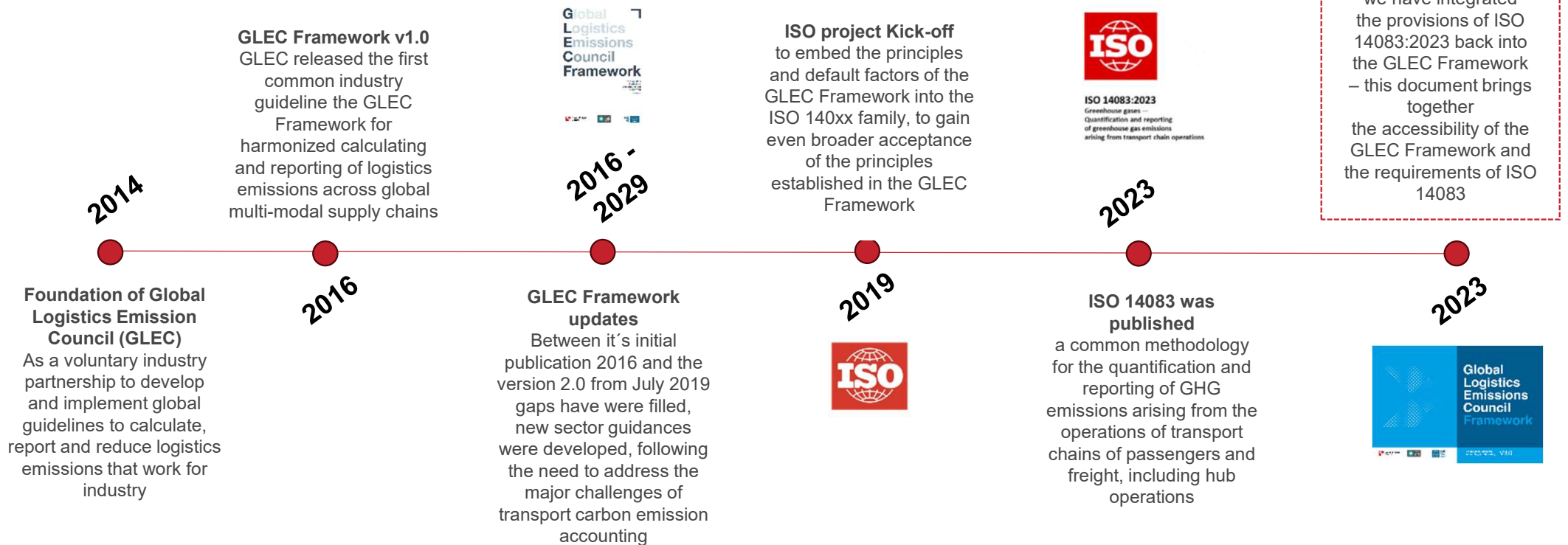
Tracking GHG emissions over time allows companies to use both total emissions and emission intensity as key performance indicators (KPIs) in operational and supply chain planning and target-setting.



Despite this, carbon accounting for logistics is still a relatively new practice. The complexity of the sector requires a simple and **practical approach that companies of all sizes and institutional capacities can apply – the GLEC Framework offers such an approach**

# GLEC Milestones

Drive transparency and set the standard



# Drive transparency and set the standard

**2016 - 2022** GLEC was the only **globally recognized methodology** to calculate GHG emissions consistently across the **multi-modal logistics supply chain**

Recognized by



Used by



**150+**  
Multinationals



**20+**  
Programs, tools, initiatives

**2023 onwards**



**ISO 14083** was published in March 2023 and is **based on the GLEC Framework** to enable a tighter application structure.

GLEC Framework v. 3.0 published in September 2023, will co-exist to ensure accessible and detailed industry guidelines, supporting the ISO standard.

# ISO 14083

What has been delivered?

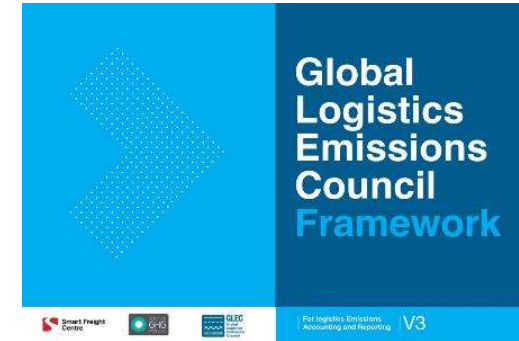
## ISO 14083 Standard

- **Title:** Greenhouse gases - Quantification and reporting of greenhouse gas emissions arising from transport chain operations
- **Scope:** a common **methodology** for the quantification and reporting of **GHG emissions** arising from the operations of **transport chains** of **passengers and freight**, including hub operations
- Does not include its own verification guideline
- Existing EN16258 withdrawn and replaced by CEN version of ISO14083





# Correlation between the GLEC Framework and ISO 14083



- **ISO is the globally most recognized organization for standardization**
- **ISO 14083 Covers both freight and passengers transport GHG emissions**
- **It is based on existing standards including GLEC and EN16258**
- **Will be updated approx. every 5 years (if there is demand)**
- The GLEC Framework is the primary industry guideline for the implementation of ISO 14083
- **Covers freight transport GHG emissions**
- Industry-led regular updates on emission factors, default emission intensities, sector-specific application guidance and other
- Testing and development for future scope expansion
- SFC assurance scheme is under development