

# Emissions reduction and its impact on Freight Forwarding

Sanj Matharu - Partnerships  
sanj@yourpledge.earth

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# Why is this important?

Why is this important?

# Fighting climate change

The global transport industry accounts for

**23%**

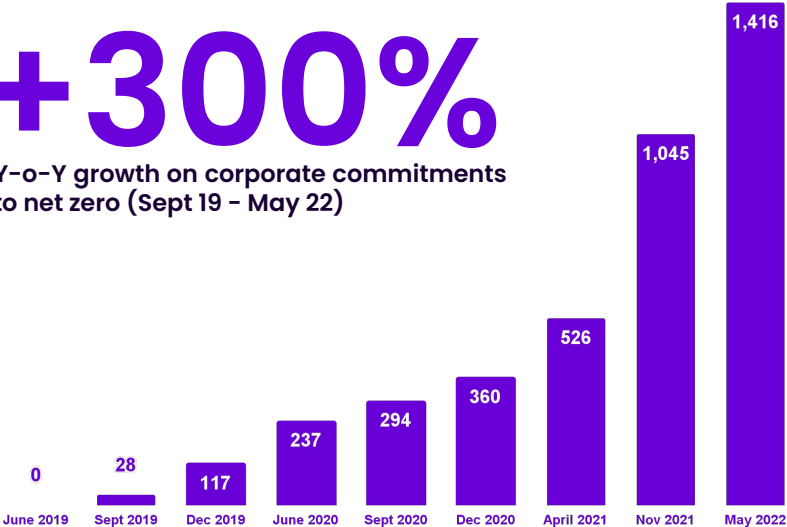
of total greenhouse gas emissions

Why is this important?

# Shippers are responding to consumer demand for eco-responsibility

# +300%

Y-o-Y growth on corporate commitments to net zero (Sept 19 - May 22)



Why is this important?

# New legislation



- Sustainability Disclosure Standards (SDS) – UK 2024
  - Consolidation of other regulations including SECR and TCFD
- Corporate Sustainability Reporting Directive (CSRD) – EU 2025

Why is this important?

# Multi-modal frameworks can help!



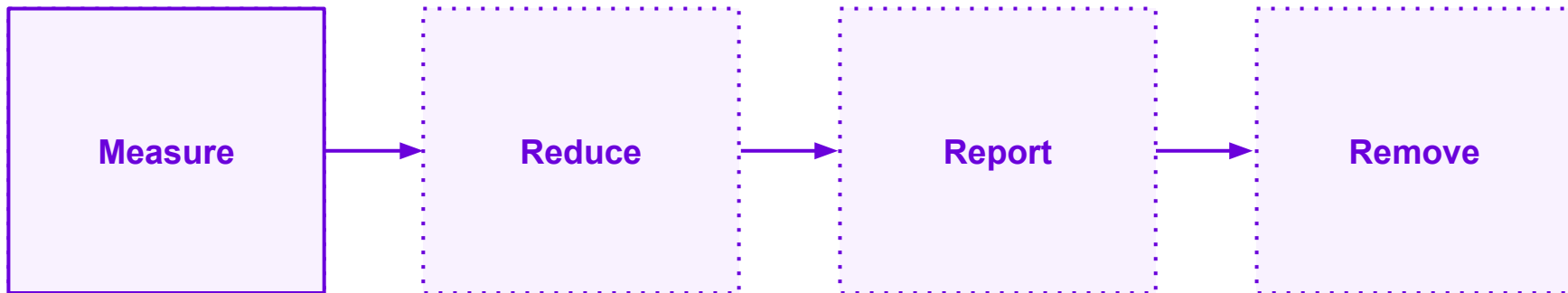
- GLEC Framework by the Smart Freight Centre
  - Methodology and implementation for calculating and reporting emissions
- ISO 14083
  - Globally recognized methodology to calculate GHG emissions based on GLEC Framework

# Where do I start?

Where do I start?

# Steps to Success

- Only **30%** of supply chain organizations surveyed felt supply chain strategy was well aligned with operational execution. – Gartner
- Map your plans to your operations
- Emissions reduction should fit within or around your current workflows





Where do I start?

# Measure

## Understand scope

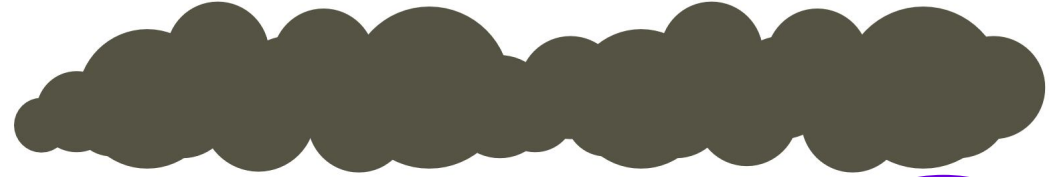
*Focus only on what you need*

## Be Consistent

*Use same methodology for calculating weight, distance and tonne-kilometers*

## Leverage your data

*Simplify operations by using the data you already have*




↑  
**Scope 1**



**Direct emissions**  
Direct emissions from assets that are owned or controlled by the reporting company.

↑  
**Scope 2**



**Electricity emissions**  
Indirect emissions from electricity, heat, and steam purchased by the reporting company.

↑  
**Scope 3**

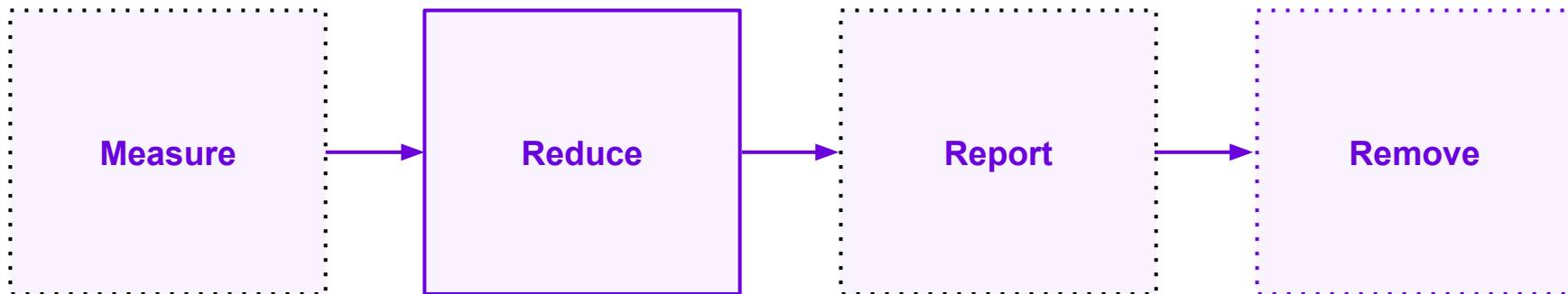


**Supply chain emissions**  
Transportation emissions required to move goods from suppliers to the reporting company.

Where do I start?

# Making changes

Emissions reduction should fit within or around your current workflows



Where do I start?

# Reduce

## Use your data

*Identify where a majority of your emissions come from*

## Operational optimisation

*Look at ways to improve i.e. modal shift, FTL, vehicles, electrification etc*

## External factors

*For example, advise your carriers on best practice for emission reduction*



SEA | SLOW STEAMING

**A 10% reduction in speed can result in up to a 19% reduction in emissions<sup>1</sup>**



ROAD | ALTERNATIVE FUELS

**New biodiesels are expected to be able to reduce emissions by up to 40–60%<sup>2</sup>**

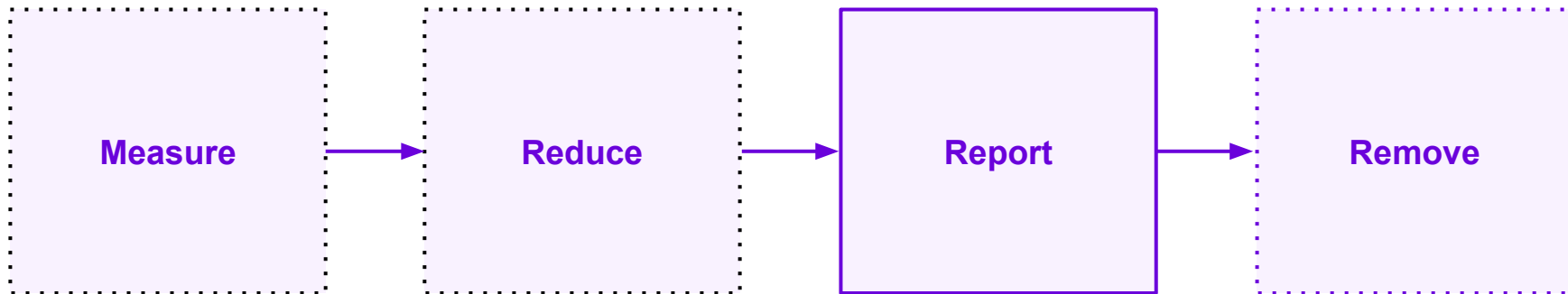
<sup>1</sup>Source: [Science Direct](#)

<sup>2</sup>Source: [Sennder](#)

Where do I start?

# Steps to Success

Transparency drives value



Where do I start?

# Reporting

## Standardise

*Having standardised report templates is good for...*

## Quality Assurance

*Reports with checkmarks*

## Transparency

*Be clear about modes and methods of calculation*



### GLEC Report – 2023

Bamboo Co. report summary for the period  
Jan 01, 2022 – Dec 31, 2022

#### Emissions basis

612,144.76 kg of CO<sub>2</sub>e from 1,640,957.98 t-km of activity, with an intensity ratio of 0.373 kg\* CO<sub>2</sub>e/t-km

Well to tank 109,980.04 kg  
Tank to wheel 502,164.72 kg



#### Emissions by scope

Breakdown of emissions by GHG Scope

Scope	Breakdown	Emissions	Activity	Intensity
Scope 3	100%	612,144.76 kg CO <sub>2</sub> e	1,640,958.01 t-km	0.373 kg CO <sub>2</sub> e/t-km

#### Emissions by mode

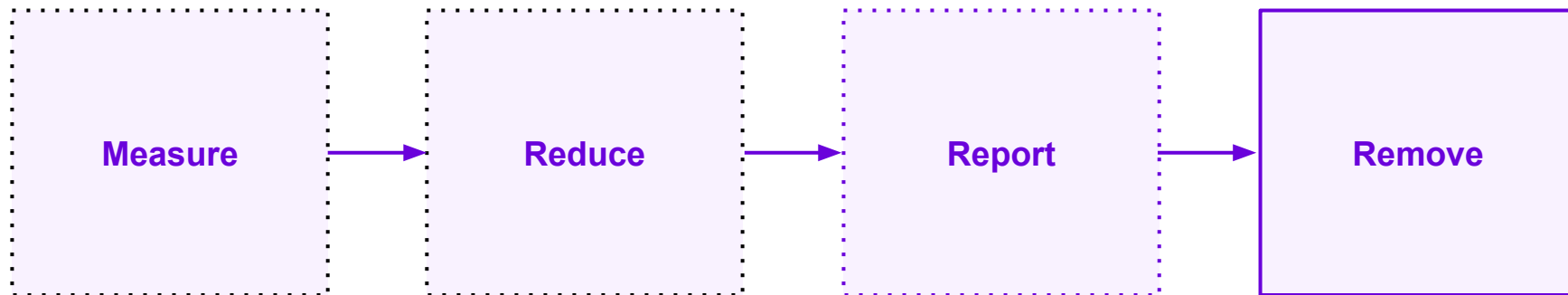
Breakdown of emissions by mode of transport

Mode	Breakdown	Emissions	Activity	Intensity
Road	2.35%	14,390.91 kg CO <sub>2</sub> e	62,719.61 t-km	0.2294 kg CO <sub>2</sub> e/t-km
Air	96.53%	590,915.31 kg CO <sub>2</sub> e	937,930.03 t-km	0.63 kg CO <sub>2</sub> e/t-km

Where do I start?

# Steps to Success

Take further action



Where do I start?

# Removal

## Projects

- *Pick verified and high-quality projects*
- *Ensure they are third-party assessed*

## Portfolios

- *Choose from diverse portfolios to see which projects are most relevant and effective for your business*

## Proof

- *Certifications act as proof of purchase to support your climate actions and goals*



Net Zero

### Carbon removals

Portfolio supports carbon removal projects only, so for every tonne in your footprint an equivalent...



GBP 12.50 /t  
2,430 t remaining

Buy offsets



Net Zero



Carbon neutral

### Mixed project types

Portfolio supports a wide variety of project types that remove and reduce carbon emissions...



GBP 17.64 /t  
2,019 t remaining

Buy offsets



Carbon neutral



# The Pledge platform



Begin your 14 day free trial and upload your data today



pledge.io



# Thank you

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