

# GoGreen Program Best Practices in Asia and Beyond

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**GOGREEN**

Environmental protection  
with Deutsche Post DHL



# Agenda

Deutsche Post DHL GoGreen Program  
Carbon Accounting and Controlling  
Going Green in Asia and Beyond

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## ***Deutsche Post DHL GoGreen Program***

Carbon Accounting and Controlling

Going Green in Asia and Beyond

Interest in **Green Logistics** has significantly increased in recent years and demand for transparency of carbon emissions has expanded considerably



Source: DHL Express Asia Pacific

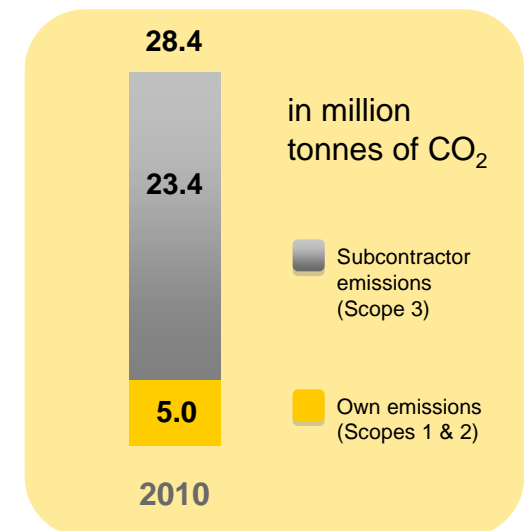
# Climate Protection – A Special Responsibility



## Deutsche Post DHL's carbon footprint

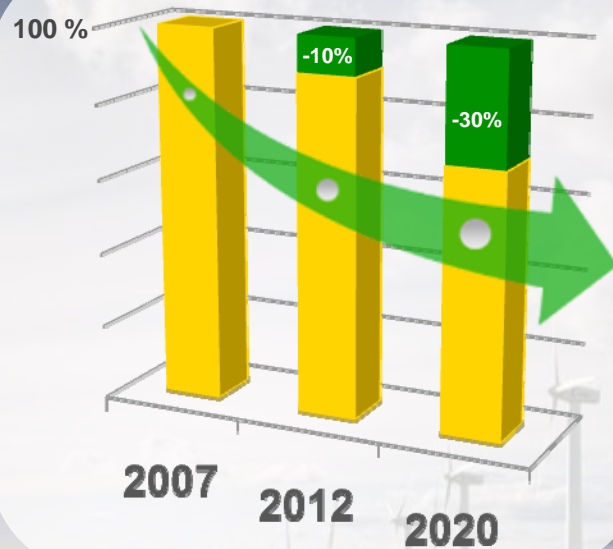
- As a global logistics company, we move goods and information worldwide.
- With transport at the core of our business, we produce CO<sub>2</sub>, the main cause of climate change.
- We initiated the GoGreen environmental protection program to accept responsibility for the environment by reducing our impact.

Source: Corporate Responsibility Report 2010, Deutsche Post DHL



# Reaching Goals through Efficiency

Deutsche Post DHL was the first globally operating logistics company to set itself a concrete CO<sub>2</sub> efficiency target



We aim to improve our CO<sub>2</sub> efficiency including subcontractors by 30% by the year 2020, compared to our 2007 baseline.



# Focus Areas

## GoGreen improves our carbon efficiency and sets the standards for green logistics



Source: GoGreen, Deutsche Post DHL

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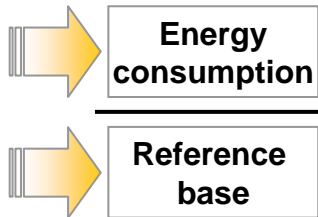
# Measuring CO<sub>2</sub> Emissions

## Our Carbon Accounting & Controlling System ensures transparency on all relevant levels



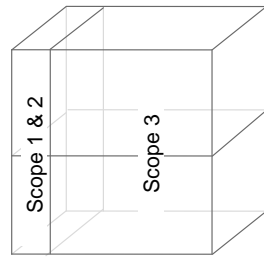
### CARBON ACCOUNTING

Capture of CO<sub>2</sub> emissions and reference base



### CARBON CONTROLLING

Calculation of CO<sub>2</sub> emissions and carbon efficiency



**Business Intelligence System**

### TRANSPARENCY

- 1 Management at the relevant level  
.....
- 2 Transparency for the customer  
.....
- 3 Product transparency  
.....
- 4 Public reporting



# Measuring CO<sub>2</sub> Emissions

Our accounting systems were modified to record CO<sub>2</sub> emissions for Scope 1 and Scope 2 emissions



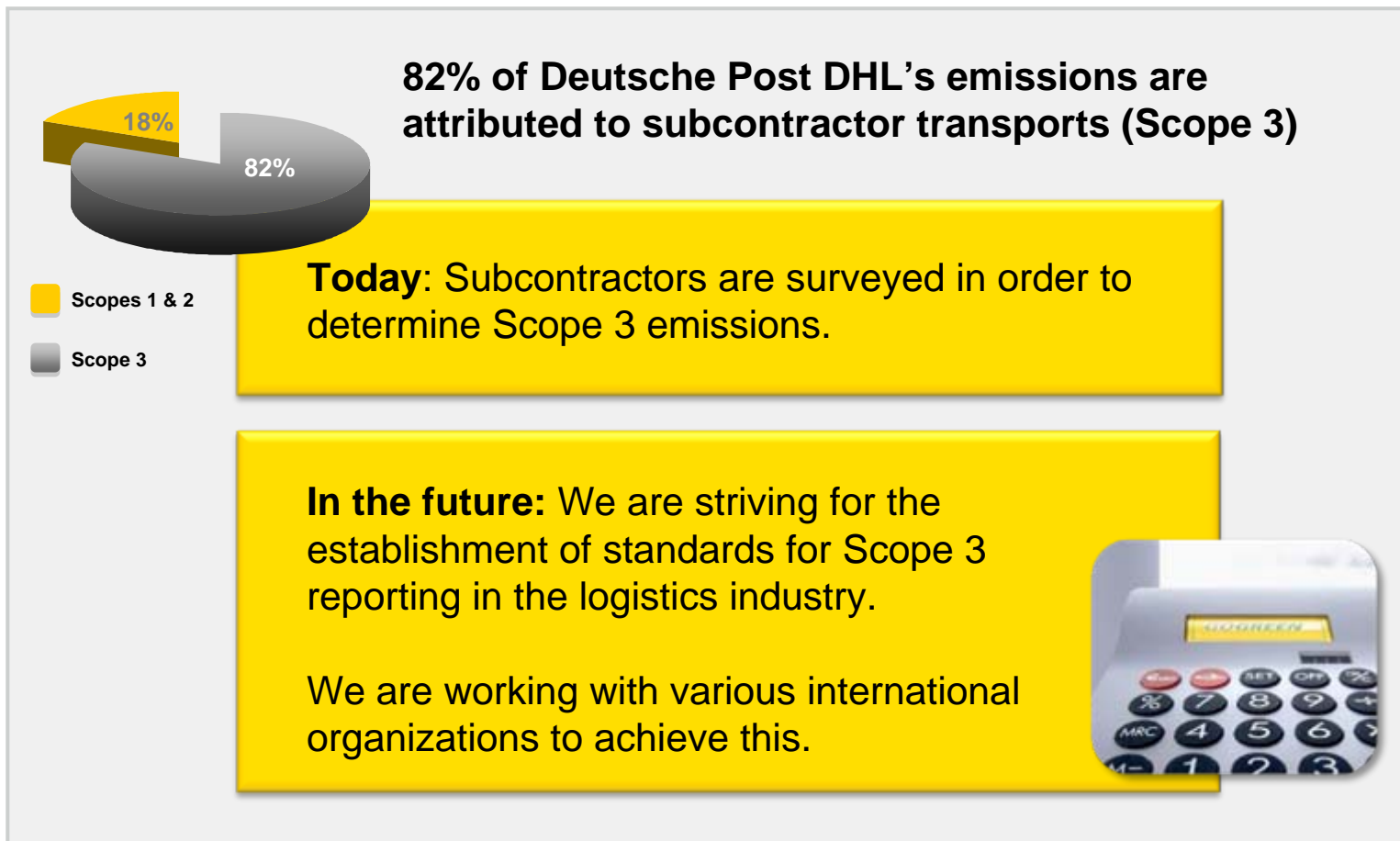
We've been tracking our own CO<sub>2</sub> emissions (Scopes 1 & 2) through our accounting systems since 2009.



**l** : fuel and energy consumption data relevant to CO<sub>2</sub> (Scopes 1 and 2)

# Measuring CO<sub>2</sub> Emissions

The biggest challenge is determining the emissions of our subcontractors



CO<sub>2</sub>



# Standardization of Scope 3 Reporting

## Deutsche Post DHL is actively pursuing the standardization of subcontractor emission tracking



### Current Situation:

There is no standard process in place for the capture and calculation of subcontractor emissions.

Each individual logistics company must approach carriers independently and data is often inexact.

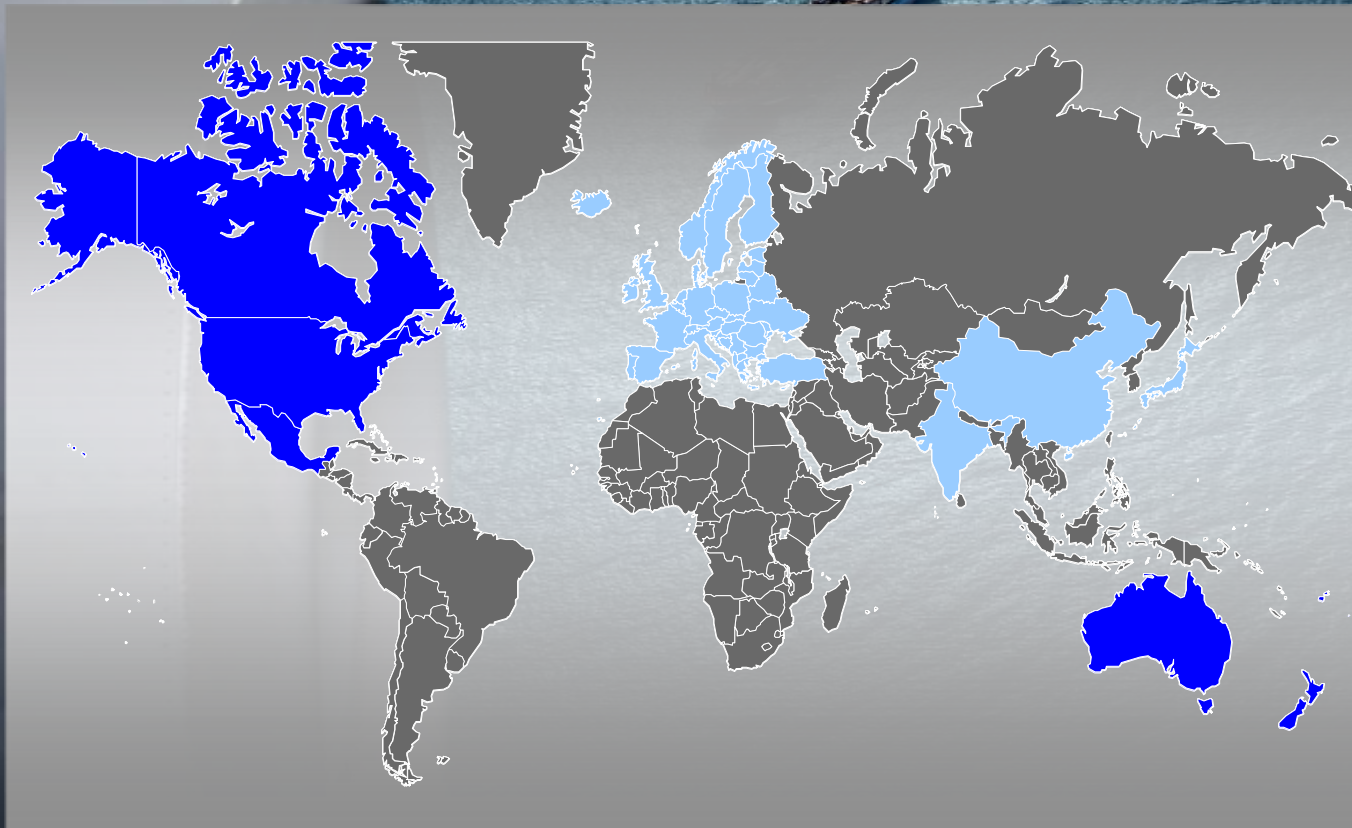
### Goal:

Creation of an independent organization responsible for the collection, compilation and publication of this data using standardized processes.

This is a required first step toward “green” subcontractor management.

# Standardization of Scope 3 Reporting

Deutsche Post DHL is actively engaged in SmartWay / Green Freight Programs around the globe



SmartWay **US**

Fleet Smart **Canada**

Transporte Limpio  
**Mexico**

SmartWay **Australia**

SmartWay **Europe**

Green Freight  
**China** Program

Green Freight **India**

Green Freight  
**Japan**

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## Example: Fujitsu supply chain optimization in Japan

### DSC Japan has developed a 'Green Logistics Partnership Promotion Project' with Fujitsu to reduce CO<sub>2</sub> emission in logistics process



- Supply chain optimization (modal shift from road to rail)
- 3R: Reduce, Reuse, Recycle
- Centralized dispatch control system for vehicles in Tokio to reduce the number of required vehicles

- 45% carbon reduction compared to year 2000 baseline
- 2,000 tonnes of carbon emissions reduced in one year
- Improved load efficiency
- Achieved Company Group Environmental Protection Program
- Recognition from Japanese government (Green Logistics category, METI)



## Example: Blue Dart DHL SmartTruck in Bangalore / India

### The SmartTruck pilot project brings a European solution to a challenging metropolitan area



SmartTruck combines different technologies and information sources to optimize daily business

- Dynamic tour planning
- Consideration of traffic data
- Transition to flexible sorting process
- Customer communication
- Driver navigation support and positioning



Expected benefits:

- Shorter route duration
- More stops per hour
- Fuel savings
- CO<sub>2</sub> savings
- Cost savings
- Enhance service for customers





## Example: Eco Driving Competition in India

**DHL Express India started an Eco Driving Competition in 2010 to reduce fuel costs and improve carbon efficiency in road transport**



Eco Driving Competition started mid 2010:

- Driver trainings
- Idea competitions
- Tracking of fuel efficiency
- Regular best practice sharing

- Average fuel savings of 5-10%
- Additional: cost savings and fewer accidents as well as reductions in local emissions and noise levels



# Thanks for your attention!

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