

Carbon Emissions Reporting for a Global Company and its Customers - Challenges and Opportunities!



Environmental protection
with Deutsche Post DHL

European Logistics Platform


Dr. Klaus Hufschlag, Brussels, December 3, 2013



Agenda

- **DPDHL and GoGreen**
- **Measure to Manage Emissions**
- **In Dialogue with Customers**

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Who we are

We are a Global platform with a unique portfolio

Europe's largest postal service



Partner for e-commerce and a pioneer in secure digital communications



Deutsche Post DHL

No. 1 in international express delivery



Leader in the forwarding business



No. 1 in contract logistics



Key facts about Deutsche Post DHL

EXAMPLES

Approximately **475,000 employees** in more than 220 countries / territories (including nearly 60% outside Germany)

64 million letters / 3.2 million parcels each workday in Germany / 20,000 sales outlets in Germany

Group revenues¹⁾: **EUR 55.5 bn** / Group EBIT¹⁾: EUR 2.67 bn
Market capitalization²⁾: EUR 20,069 bn

~ 590,000 international express shipments per day (2012) (Time Definite International) (+9% vs. previous year)

4.1 million tons of air freight / 2.8 million TEU³⁾ of ocean freight in 2012

23 million square meters of warehouse space in contract logistics

With our fleet of

- **80,000 vehicles**
- **168 jet airplanes** and
- **facilities in 220 countries and territories**

we do have an annual consumption of

- **37 Mio. l.** gasoline
- **435 Mio. l.** diesel
- **1.059 Mio. l.** kerosene
- **3,127 Mio. kWh** energy consumption⁴

Source: Deutsche Post DHL, Group Presentation, Corporate Responsibility Report 2012;

1) Financial year 2012; 2) As of 12/31/2012; 3) TEU = Twenty-foot equivalent unit, 3) status 2012, of scope 1 & 2 as defined in Greenhouse Gas Protocol 4) for buildings and facilities

Carbon Footprint 2012 – by Division

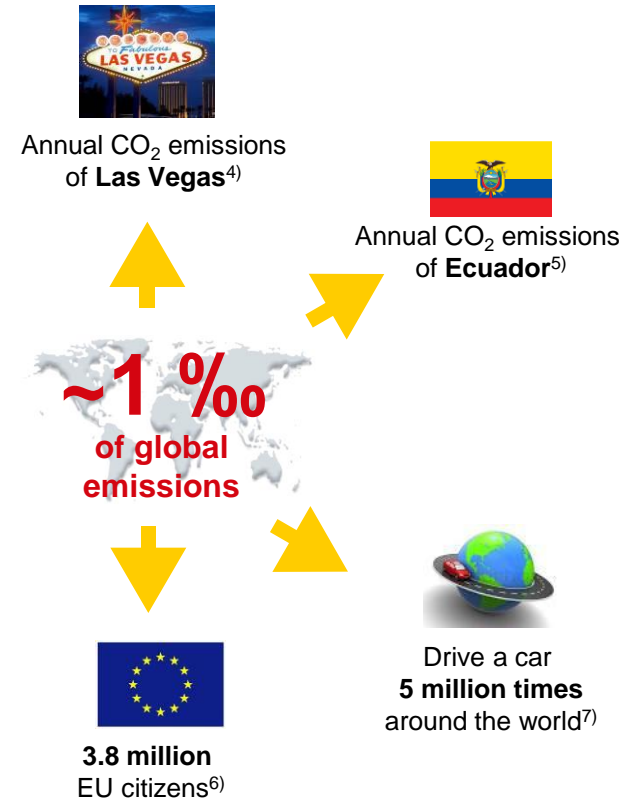
Our CO₂ footprint is significant, even on a global scale

CO₂ emissions by division and scope in 2012 ✓

million tonnes of CO₂

	Total CO ₂ emissions	Scope 1	Scope 2	Scope 3
Group¹	28.04	4.80	0.57	22.67
MAIL	1.16	0.33	0.05	0.78
EXPRESS	9.00	3.64	0.18	5.18
GLOBAL FORWARDING, FREIGHT	16.19	0.16	0.06	15.97
SUPPLY CHAIN	2.09	0.64	0.22	1.23

¹ After consolidation of scope 3 emissions from intercompany business activities, including Corporate Center/Other.



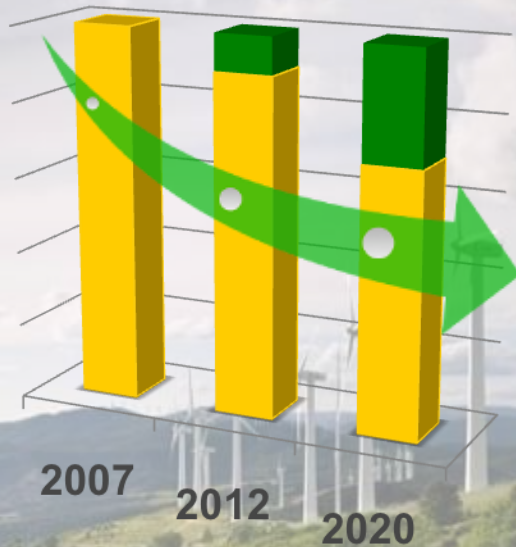
Source: Deutsche Post DHL; 2) Including CC/Others 3) Absolute CO₂ in Mt = Megatonnes = million metric tonnes
 4) CDP Cities 2012 Global Report; 5) United Nations Statistics Division: Millennium Development Goals Indicators; 6) for car with 140g/km; 7) European Commission, Joint Research Center, 7.5 t CO₂ per capita

Reaching Goals through Efficiency

Deutsche Post DHL was the first globally operating logistics company to set itself a concrete CO₂ efficiency target

DPDHL CO₂ Efficiency Target

– DPDHL CO₂ Index –



We aim to improve our CO₂ efficiency including subcontractors by 30% by the year 2020, compared to our 2007 baseline.

GOGREEN


Environmental protection with Deutsche Post DHL

DPDHL CO₂ efficiency

CO₂ from energy consumption

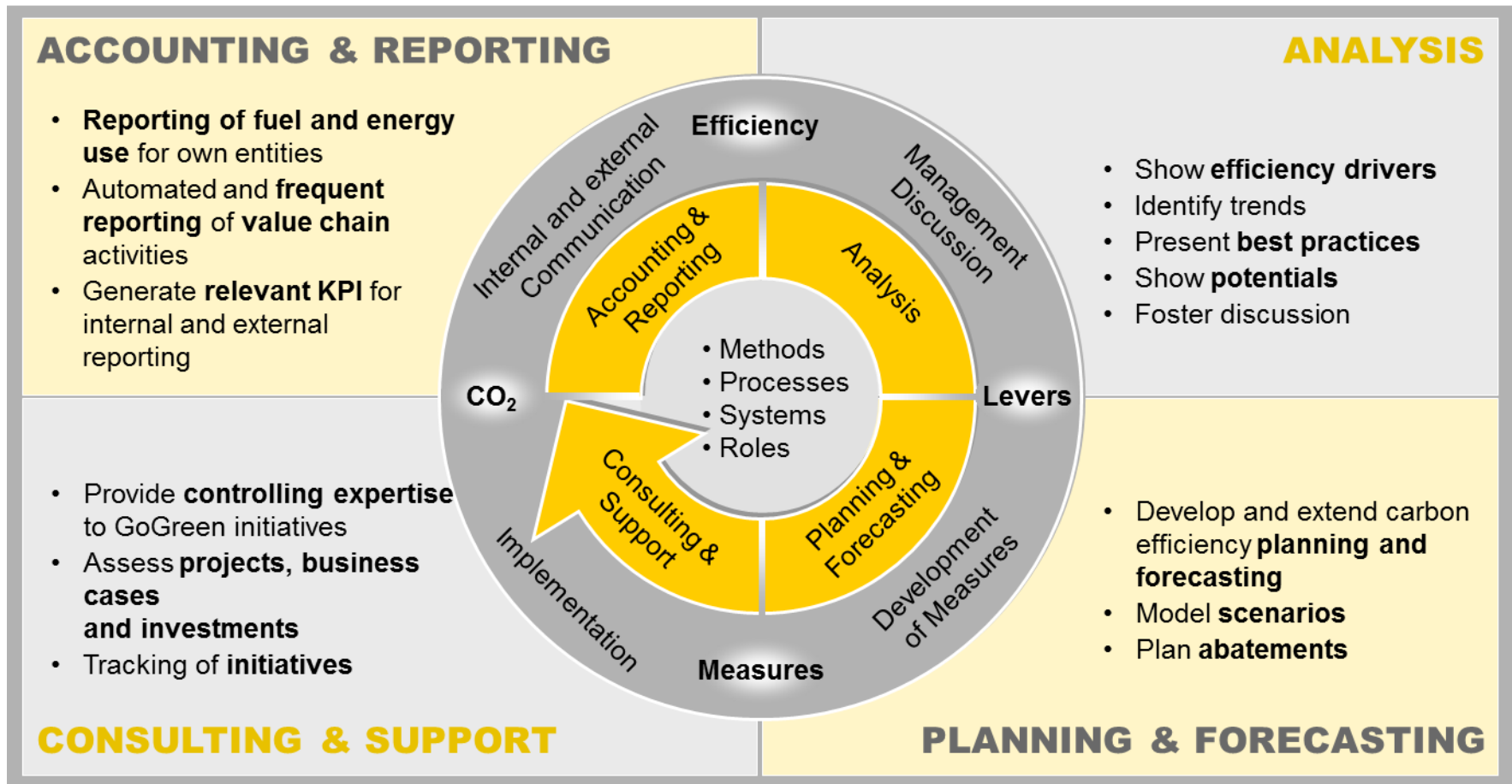
Service delivered

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From Carbon Accounting to Carbon Controlling

At Deutsche Post DHL, Carbon Accounting is the starting point of a comprehensive controlling cycle



Source: Deutsche Post DHL, Carbon Accounting & Controlling Program

Importance of choosing the right methods ...

To manage GHG emissions successfully, calculation methods need to properly reflect efficiency improvement measures



Measured fuel and energy use

At **Deutsche Post DHL** : Monthly reporting of fuel and energy use (scopes 1 and 2) from invoices or fuel card management systems for all Group entities globally



Specific operational data

At **Deutsche Post DHL** : e.g. used for 3rd party aviation operations considering individual aircraft type, exact routing, load factors

Change should become visible in your data, not in your assumptions!



Generic operational data

At **Deutsche Post DHL** : e.g. Ocean transport calculation based on aggregated tradelane data



Derived from financial indicators

At **Deutsche Post DHL** : Use of EEIO¹⁾ models for extrapolation, data gaps and business where operational data is not available



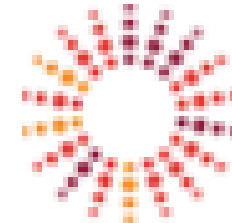
... and appropriate base data!

Meaningful emission figures must be based on real data and reputable default factors

Exchange
of real world
emission
data



ACI



Change should become visible in your data, not in your assumptions!


Basis of
reliable
default
factors

HBEFA

NTM



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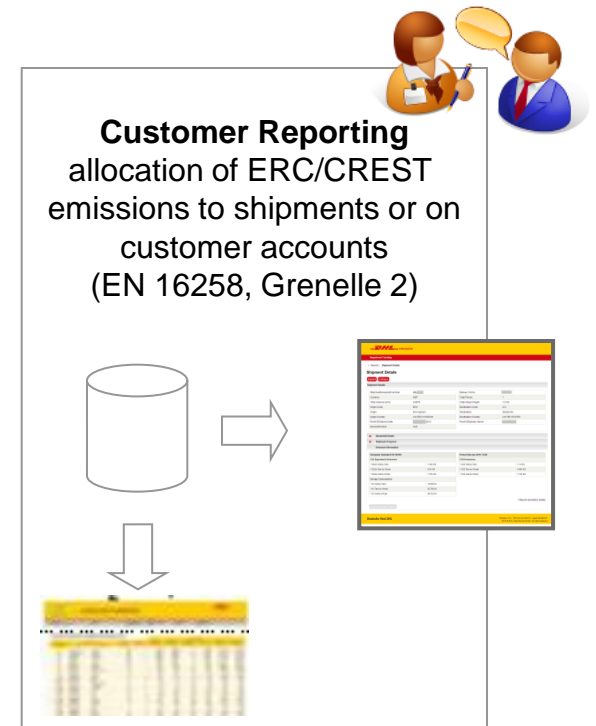
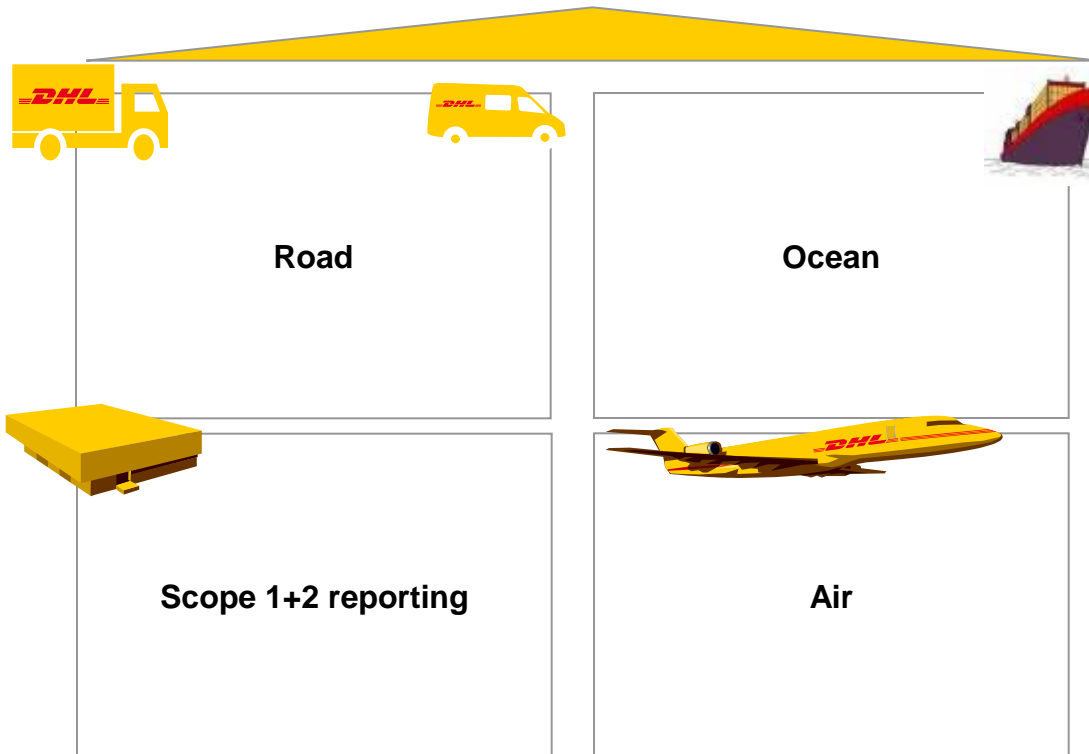
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Comprehensive Emissions Inventory

A “single source of truth” for internal, external and customer reporting makes sure customers benefit from real operational improvements



Internal and External Reporting at latest standards
 Monthly Emissions, Carbon Efficiency Index,
 EMS, GoGreen Thermostat, Annual Report, CR-Report



Source: Deutsche Post DHL, Carbon Accounting & Controlling Program

Global Solutions

Although our latest customer reporting solution can deal with EN 16258 and – in parallel – with Grenelle II ...

DHL Interactive
Registered Tracking

Search | Shipment Details

Shipment Details

Expand Collapse

Shipment Details

Shipment/Housebill Number	2BL	Delivery Terms	
Currency	GBP	Total Pieces	1
Total Volume (cbm)	0.0070	Total Actual Weight	1.0 KG
Origin Code	BHX	Destination Code	ATL
Origin	Birmingham	Destination	Atlanta Ga
Origin Country	UNITED KINGDOM	Destination Country	UNITED STATES
Proof Of Delivery Date	2013	Proof Of Delivery Name	
Service/Product	HAZ		

Masterbill Details

Shipment Progress

Emission Information

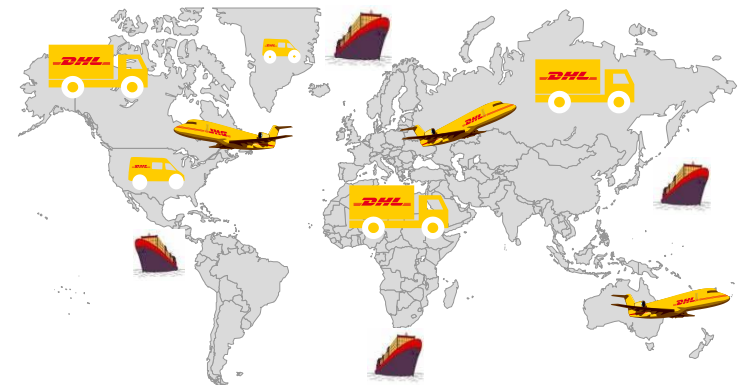
European Standard EN 16258		French Decree 2011-1336	
CO2 Equivalent Emissions			
* CO2e Well-to-Tank	1.332 KG	* CO2 Well-to-Tank	1.14 KG
* CO2e Tank-to-Wheel	6.04 KG	* CO2 Tank-to-Wheel	5.983 KG
* CO2e Well-to-Wheel	7.372 KG	* CO2 Well-to-Wheel	7.123 KG
Energy Consumption			
* MJ Well-to-Tank	15.956 MJ		
* MJ Tank-to-Wheel	83.768 MJ		
* MJ Well-to-Wheel	99.724 MJ		

Report calculation details

Display Emission Values

Deutsche Post DHL

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... global standards are required, as logistics goes across borders!

Thank you!

GOGREEN

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