

POST EUROPE

VOICE OF THE EUROPEAN POSTAL INDUSTRY

2009 CO₂ DATA COLLECTION REPORT



*Greenhouse Gas Reduction Programme
A Challenge for Europe and Public Postal Operators*

February 2010

PostEurop GHG Reduction Programme

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EXECUTIVE SUMMARY

The Report presents the outcome of the 2009 CO₂ Data Collection operated within the GHG Reduction Programme, and in comparison with the previous year's result.

In 2009, 13 members of the GHG reduction Programme reported a total of **4.49 M t CO₂** emissions following the PostEurop methodology. These emissions mainly derive from transport activities (own and subcontracted) of postal operators, while emissions from buildings account for one third of the total.

The analysis shows improvement in the reporting quality compared to the data delivered in 2008 data collection. In 2010, improvements in the methodology and enlargement of the scope of the inventory (e.g. inclusion international activity) will require recalculation of the 2007 baseline in order to be consistent and report on the 10 % reduction target.

This report is supported by 25 postal operators participating in the programme:

17 members: Österreichische Post (Austria), CTT-Correios (Portugal), Deutsche Post DHL (Germany), La Poste/De Post/Die Post (Belgium), Hellenic Post – ELTA (Greece), Itella (Finland), Groupe La Poste (France), Guernsey Post (Guernsey), Magyar Posta (Hungary), Malta post (Malta), Post Danmark (Denmark), Poste Italiane, (Italy), Posten AB (Sweden), Posten Norge (Norway), Royal Mail Group PLC (United Kingdom), Swiss Post (Switzerland), TNT (Netherlands).

8 Observers: Poczta Polska(Poland), Posta Romana (Romania), Posten Åland (Finland), Turkish PTT (Turkey),Bulgarian Posts plc (Bulgaria),Cyprus Post (Cyprus),Poste Srpske(Bosnia),Montenegro Post(Montenegro)



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CONTEXT OF REPORTING

The Programme

The PostEurop Greenhouse Gas Reduction Programme was launched by the PostEurop Environment Working Group in June 2007 in recognition of the importance of issues surrounding climate change, the environment and the communities postal operators serve. The Postal Sector understands that, through the very nature of its day-to-day activities, it has an impact on the environment, mostly in the form of greenhouse gas emissions. Most of these CO₂ emissions result from the use of road transport, aviation and building energy usage.

All European postal operators participating in the Greenhouse gas reduction programme agreed to set a common goal of an average 10% reduction of CO₂ emissions across all programme participants by 2012. A protocol has been developed to accompany postal operators to implement a common methodology and a calculation tool to measure CO₂ emissions.

This report presents the outcome of the global figures calculated following the PostEurop methodology.

Objectives

The Greenhouse gas reduction programme is an initiative which brings postal members together in a joint European programme by creating a common platform for learning and exchanging knowledge of:

- ways to measure progress when implementing environmental actions,
- measures that raise environmental awareness,
- reducing environmental impact.

The PostEurop Greenhouse Gas Reduction programme is a call-to-action for PostEurop's members on a common platform. The purpose of the program is to:

- Educate and enable expert knowledge sharing amongst PostEurop members across Europe through engaging them in the programme;
- Promote a healthier living and working environment throughout the postal sector;
- Encourage use of innovation and further R&D on environmental initiatives;
- Implement a common methodology for tracking the European postal sector's carbon footprint;
- Identify the emerging challenges for the postal sector, share them and see how to be proactive and create value for the postal sector;
- Collaborate with UPU on a global scale.

Reliability of Collected Data

PostEurop has engaged Ernst & Young, an external consultant, to verify and assess data:

- by checking and ensuring the right application of the common methodology by members,
- by identifying the shortcomings and recommending improvements.

METHODOLOGY

Principles

Since 2007, PostEurop has provided its members with a common methodology for reporting. This methodology is intended to ensure both quality of the reported information and its traceability and transparency. The methodology is designed to meet five criteria: **Relevance, Completeness, Reliability, Understandability, Neutrality**¹.

Scope: Activities

Members have been asked to report on postal activities including mail, parcels, express, logistics, financial services. As a minimum, participants reported on mail and parcel activities. On a voluntary basis, members had the option to extend their scope to include other activities such as employee commuting.

The PostEurop greenhouse gas protocol measures CO₂ emissions of these activities, focused on transport (road, rail, air, shipping) and building energy use.

Non-Postal Activity (for example postal bus) are not included in the global figures reported. Members performing these activities have the option of reporting separately.

Scope: Geographic Boundaries

Members have to report on all domestic activities. On a voluntary basis some have expanded the inventory to international express activity.

¹ The criteria ensure that the inventory is:

Relevant: the inventory shall contain all relevant scopes regarding the postal activity.

Complete: the inventory shall be sufficiently complete, that all relevant factors that could affect the conclusions are included.

Reliable: the calculation shall lead to measurements that are consistent and may be compared from year to year.

Understandable: the reporting shall lead to conclusions that are clear, complete, comprehensive, and not subjected to significantly different interpretations.

Neutral: the reporting shall lead to unbiased conclusions.



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Period

Members have reported CO₂ emissions emitted in 2008. This means that the activity period was January-December 2008 or April 2008-March 2009².

QUANTITATIVE FIGURES

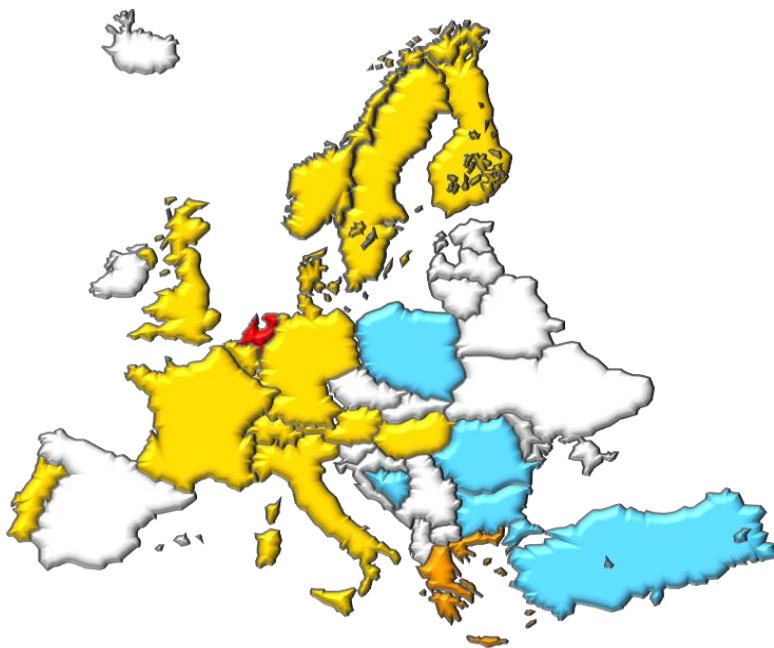
Global Emissions: 4.49 MTCO₂

In **2009**, the PostEurop GHG reduction programme showed a result of **4.49 Mt of CO₂ emitted by 13 member operators³ in 2008.**

**EMISSIONS 2008:
4,49 M TCO₂, 13
MEMBERS**

In addition, two observers⁴ have exercised the CO₂ reporting.

Figure 1: Map of Members reporting in 2008 and 2009



17 Members

- Included in 2009 reporting
- Data available in 2007 but not in 2008 (Greece)
- Other signatories but no reporting available (NL, Malta, Guernsey)

8 Observers

Poland, Romania, Åland Islands, Turkey, Bulgaria, Cyprus, Bosnia, Montenegro

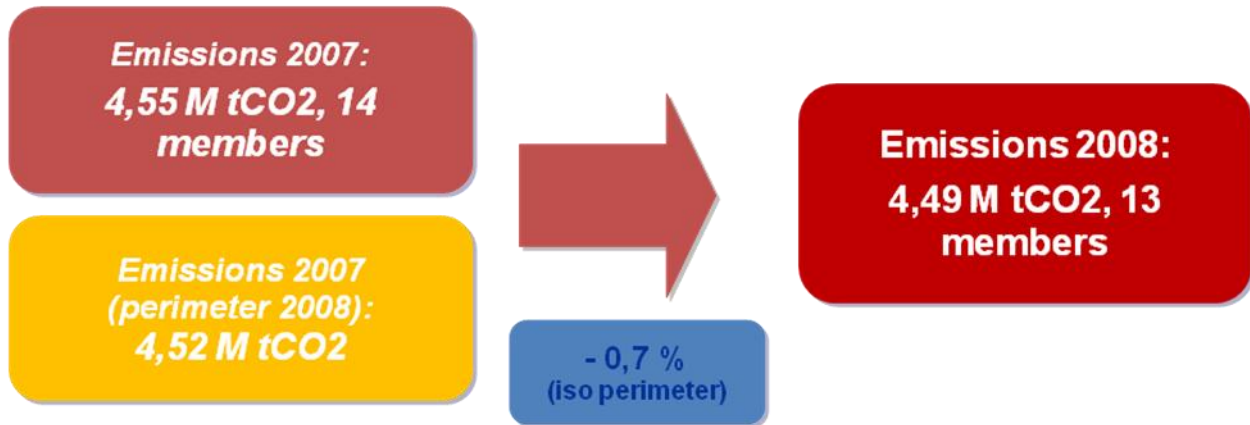
² Some members, as Royal Mail, report following financial year time.

³ Österreichische Post (Austria), CTT-Correios (Portugal), Deutsche Post DHL (Germany), La Poste/De Post/Die Post (Belgium), Itella (Finland), Groupe La Poste (France), Magyar Posta (Hungary), Maltapost (Malta), Post Danmark (Denmark), Poste Italiane, (Italy), Posten AB (Sweden), Posten Norge (Norway), Royal Mail Group PLC (United Kingdom), Swiss Post (Switzerland).

⁴ Poste Srspe and Posten Åland

Evolution from 2007 and 2008

In **2008**, it was reported that the total amount of **2007 CO2 emissions** by 14 member operators amounted to **4.55 Mt of CO2**.



Differences between 2007 and 2008 scope and methodology affect the comparison of the two data collections.

MAIN FACTORS AFFECTING DIFFERENCES between 2007 and 2008

Modification Scope

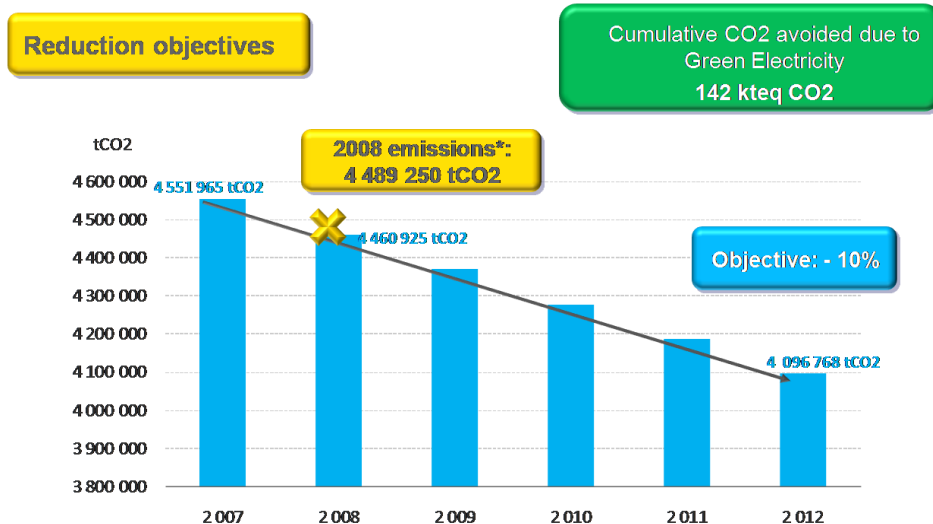
- Integration of International express
- Integration of Subcontracted Activities
- Improvement of Data Quality
- Integration of New Activities (i.e. Inclusion Business Travel, exclusion People transport)

Procurement of Green Electricity

The analysis of the figures proves that the similar CO₂ global amount reported in 2008 and 2009 reflects more the **improvement in the reliability of the reporting** (improvement of accuracy and of methodology application) than the real evolution of the figures.

Evolution Target

Keeping the 2007 baseline of 4.55 Mt, Postal Operators should be able to reduce emissions to 4.09 Mt of CO₂ emissions by 2012. It should nonetheless be recognized that **2007 baseline needs to be updated** following enlargement in the scope of calculation (i.e. integration of international activity) and improvements in the methodology.



* Note:

- 2007 emissions have to be updated in accordance with 2008 perimeter.
- 2008 emissions do not integrate Greece

INDICATORS

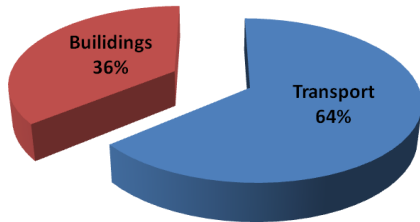
PostEurop GHG Reduction Programme members have selected indicators in order to monitor and analyse the evolution of their carbon footprint and evaluate the performance of their carbon efficiency. This analysis allows us to:

- prioritise the **actions** to implement **to reduce emissions** efficiently;
- evaluate the **impact** of the **initiatives** adopted to reduce emissions (i.e. alternative fuel fleet, eco-driving, etc.)
- Involve **key stakeholders** (i.e. car manufacture, petrol industry, etc.).

Global indicators are presented underneath (split transport/building and split by Scope) , while country specific indicators (CO₂/turnover; CO₂/Unit Delivered CO₂/km travelled, CO₂/m³) are shared by members under bilateral agreements.

Repatriation of CO₂ emissions between Transport-Building

Transport activities produce 2.87 Million tonnes of CO₂ emissions, while emissions from buildings (electricity, gas, heating consumption) amount to 1.6 Mt CO₂.



Comparison 2007-2008

Proportion of building emissions vs. transport shows stability over time.

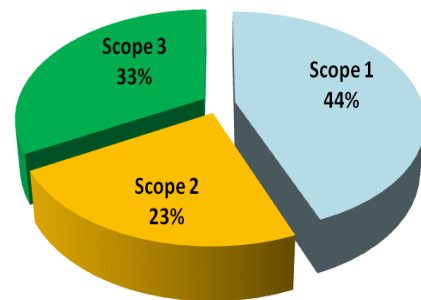
Scope 1, 2, 3

Following GHG Protocol Methodology emissions can be split as:

Scope 1: own direct CO₂ emissions from sources owned by postal bodies (e.g. fleet vehicles, gas and oil heating facilities, etc.)

Scope 2: Indirect CO₂ emissions resulting from the use of electricity.

Scope 3: all other indirect emissions such as suppliers and subcontracted transport activities.



This split has to **be taken into account for reduction objectives**, since the implementation of reduction action is more feasible on **operated activities** (Scopes 1 & 2) than on **subcontracted activities** (Scope 3).

It should be noted that the split by scope is very different from one country to another depending on their **organization activity** (type of activity, operated/subcontracted activities).

Comparison 2007-2008

An increase in the share of Scope 3 (30% in 2007, 33% in 2008) was noted. This is mainly due to the integration of some significant missing **transport subcontracted activities in 2007** (International Express subcontractors for France, road subcontractors for the UK), and some activities that are subcontracted in 2008 while operated in 2007.

QUALITATIVE ANALYSIS

Figures have been verified and analysed for 12 members⁵.

Evolution Quality Figures 2007-2008

The analysis shows an improvement in data quality compared to the 2008 data collection.

Major identified improvements are:

- The perimeter covered (postal activities, international activities);
- The information provided on the perimeter covered;
- The data quality;
- The accuracy of emission factors;
- The accuracy of methodologies.

Main detected improvements for the future are:

- Improve and calculate the perimeter covered, to include all postal activities, especially express, rented buildings, subsidiaries and subcontractors;
- Homogenize the perimeter covered between countries (national/international, activities);
- Improve the reliability and update of the reference year emissions (the scope has to be consistent);
- Improve the accuracy of the explanations provided (and quantification) about the reporting coverage: the coverage calculation has to be implemented;
- Improve the accuracy of the reporting methodologies applied, green electricity accounting (application of the correct emission factor);

ACTIONS IMPLEMENTED BY MEMBERS TO REDUCE CO₂ EMISSIONS

The analysis has detected several initiatives from members in order to reduce Carbon emissions.

Main initiatives implemented to reduce the carbon footprint are:

- Use of electric vehicles
- Purchase of green electricity
- Consumption of biofuel
- Efforts to reduce buildings energy consumption

⁵ Figures from Poste Italiane have been verified, but the analysis has not been completed since data have been delivered behind schedule.

NEXT STEPS

Postal operators will continue reporting on a yearly basis. For 2010, improvements are expected in the data collection methodology and in the quality of the data.

A main task for the future would be to enlarge the scope of the protocol to all postal activities and to update the baseline in order for the data to remain comparable.