



## The Dutch Freight Labelling Initiative and GHG calculation models

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### Content

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- Pilot project for carbon labelling
- GHG calculation model in the Netherlands
- Demonstration of the CO<sub>2</sub> tool

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## Pilot project - Background

- **Horticultural sector initiative**
  - "Infrastructure Greenports" (new logistic concepts)
  - 'Green products, green transport' (Schoon Vervoerd)
- **Objective**
  - Sustainable image of Dutch horticultural sector
  - Reduction of CO<sub>2</sub> emissions



## Pilot project - Background

- **Consortium 'Green products, green transport':**  
**leading parties in production, trade and distribution of flowers, plants, vegetables, and fruits, e.g.**
  - Product Board for Horticulture
  - Dutch Trade Platform for Vegetables and Fruits (Frugi Venta)
  - Several auctions ('Greenports')
  - Transport companies
  - Innovation Network
  - Rabobank



## Pilot project - Objective

- **Introduction of...**

- high biodiesel blend (B30) at an existing refuelling station near an auction (trucks)
- carbon labels/logos on trucks and refuelling station



*Sticker for trucks in the Dutch pilot initiative containing the Carbon Labelling logo*

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## Pilot project – Activities

- **Application of carbon labels on trucks**

- Total of 30-40 trucks
- Combining brand/company logos with carbon labelling logo
- High visibility: both in the Netherlands and abroad



- **Application of carbon labels on refuelling station**

- Supply of high biodiesel blend (B30)
- Sustainably produced rapeseed
- Located at auction Flora Holland



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## Pilot project – Activities

- **Communication regarding carbon labelling**

- Official start of the project: May 2008
- Flyers, fairs and exhibitions, presentations, press releases
- Website



Stand at the HortiFair 2007, RAI Amsterdam, The Netherlands

- **Monitoring and evaluation**

- Quantity of blends used, technical aspects e.g.maintenance, performance and reliability

- **Exploring expansion options of the pilot project**

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## GHG calculation model - Background

- **Why the CO<sub>2</sub> tool?**

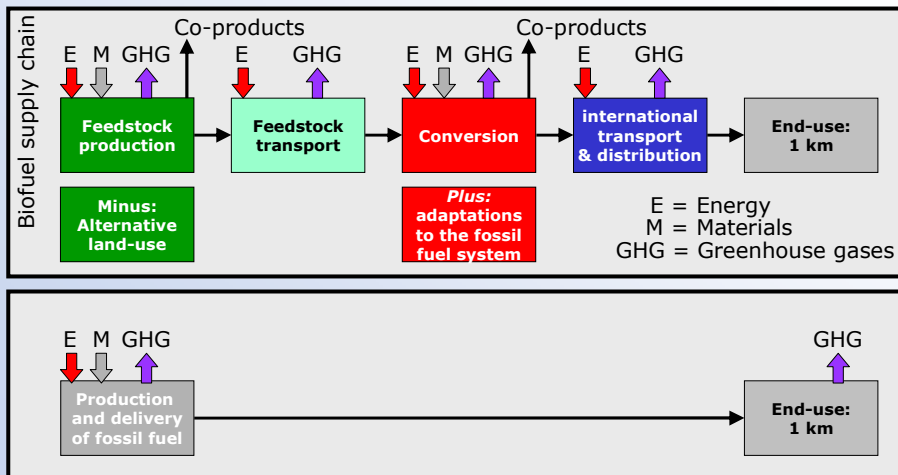
- Originally developed for CO<sub>2</sub> reporting in the NLs (postponed due to EC Directive on RES)
- Calculate well-to-wheel GHG emissions (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O)

- **CO<sub>2</sub> tool is compromise between**

- Scientifically correct and detailed LCA
- Robust, easy to use and less detailed policy instrument

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## GHG calculation model – Methodology )



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## GHG calculation model – Methodology (2)

- **Direct land use change**

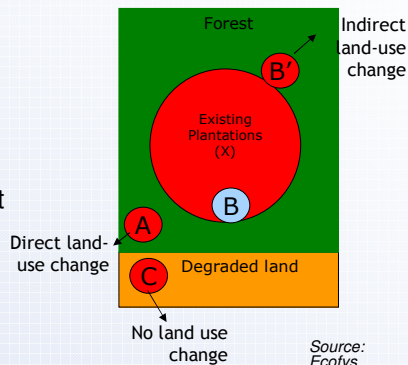
(included in the CO<sub>2</sub> tool)

- What was prior use of the hectare for feedstock production
- Impact on carbon balance determined via IPCC methodology
  - ▶ Soil carbon
  - ▶ Above ground carbon

- **Indirect land use change**

(not in the CO<sub>2</sub> tool!)

- What happens to overall market due to biofuels production?



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## GHG calculation model – Process and status

- **Process**

- Development of tool: Ecofys + CE
- Supervision: SenterNovem and Steering Group (Ministries)
- Stakeholders involved through Advisory board and thematic, open meetings
- Products:
  - ▶ Technical Specification (document with methodology and data)
  - ▶ CO<sub>2</sub> tool = Excel based software

- **Current status**

- Technical Specification & tool will become publicly available within a few weeks

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## Demonstration of the Dutch CO<sub>2</sub> tool

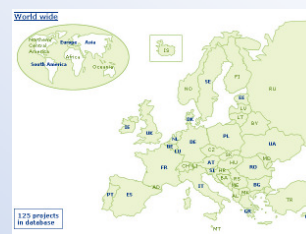
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## Also interesting – Biofuel Cities

## Activities & services: [www.biofuel-cities.eu](http://www.biofuel-cities.eu)

Projects and activities directory - interactive directory with online maps and searchable database



Activities & services:  
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Thank you for your attention.  
Are there any questions?