



# Carbon labelling Provisional perspectives

Report on 3-4 May 2007 roundtable, Oxford

Brenda Boardman  
Co-Director, UK Energy Research Centre  
Environmental Change Institute  
Oxford University  
ECEEE June 2007



## Carbon labelling

- Carbon labelling = overarching process
  - One system, two groups of activity
- Carbon analysis
  - Measurement, accreditation
  - Detailed, comprehensive, consistent
- Carbon display
  - User information
  - A label, only one possibility



## Benefits of carbon labelling

- Informs and influences
- Evidence that measurement leads to savings
- Targets 10% minimum of UK carbon emissions
  - Fits with Climate Change Bill
- Empowers everyone in the supply chain
  - Producers reformulate
  - Retailers choice edit
  - Consumers switch
  - All more energy efficient



## Which gases?

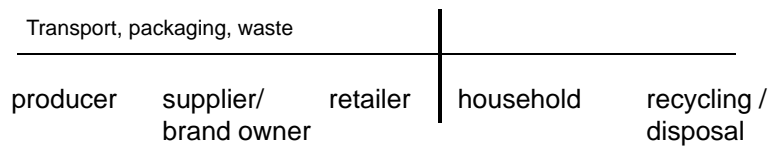
- Carbon dioxide (CO<sub>2</sub>)
- Other greenhouse gases
  - (eg methane, nitrous oxide, refrigerants)
- Other environmental impacts (eg water) separately
- Aim: comprehensive carbon inventory for products and their use

	CO <sub>2</sub>	GHG
Analysis	1	2
Display	(2)	3



## Which stages?

- Can be different between carbon analysis and carbon display
- Greatest detail in analysis = all stages
- For display, may be only first 3

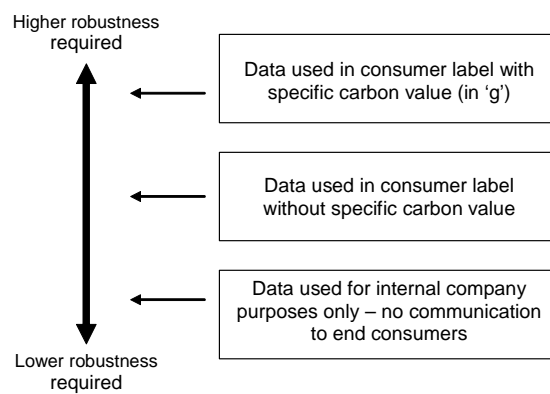


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## Relationship between detail and use



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## Institutions

- Steering group → Carbon Stewardship Council?
  - Co-ordinates all activities
- Reference data set
- Measurement methodology
- Accreditation and verification process
- Research requirements



## Reference data set

Carbon intensity of electricity (kgCO <sub>2</sub> /kWh)	Amount of electricity used (kWh)	Result (kgCO <sub>2</sub> )
0.5	100	50



## What type of label?

- Award: either there or not
  - Marine Stewardship Council, Fairtrade or Ecolabel
  - Criteria obscure
- Comparison: mandatory
  - EU Energy Label
  - A-G – requires distribution
- One band across all products?
- vs within each sector (eg meat)
- vs each sub-sector (eg beef)



## Which products first?

- Standard shopping basket
- Products where data are available
- Biggest potential for carbon saving
- Where supply chain interest
- Driven by procurement



## Links with other policies

- International
  - Fairtrade and development
  - Resources, eg water, fish stocks
- European
  - Emissions Trading Scheme
  - Towards an EU label?
- UK
  - Seasonal / local
  - Health
  - Personal carbon allowances
  - Government procurement
  - Animal welfare



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## Enjoy the debate!



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