Product Carbon Footprinting – PAS 2050 and Related International Initiatives

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Overview

- BSI and the role of standards
- Standardization approach to GHG management
- Product Carbon Footprinting (PCF) – PAS 2050
  - overview
  - scope and benefits
  - PAS 2050 in use
  - next steps
- Related international developments – ISO 14067 & GHG Protocol

About BSI

- UK's National Standards Body & world's oldest
- Facilitates standards development
- Manages broad stakeholder representation
- Co-ordinates UK participation in European and international standardization
- Offers an expanding range of fast track products and services

Why Standards?

- Build consensus on a common approach
- Voluntary
- Regularly reviewed and updated
- Back-up available via certification or audit
- Development and drafting process – BS 0
- Expertise of technical committees


BS 0-1:2005

BRITISH STANDARD

A standard for standards –

Part 1: Development of standards – Specification

ICS 01.120

BSI British Standards

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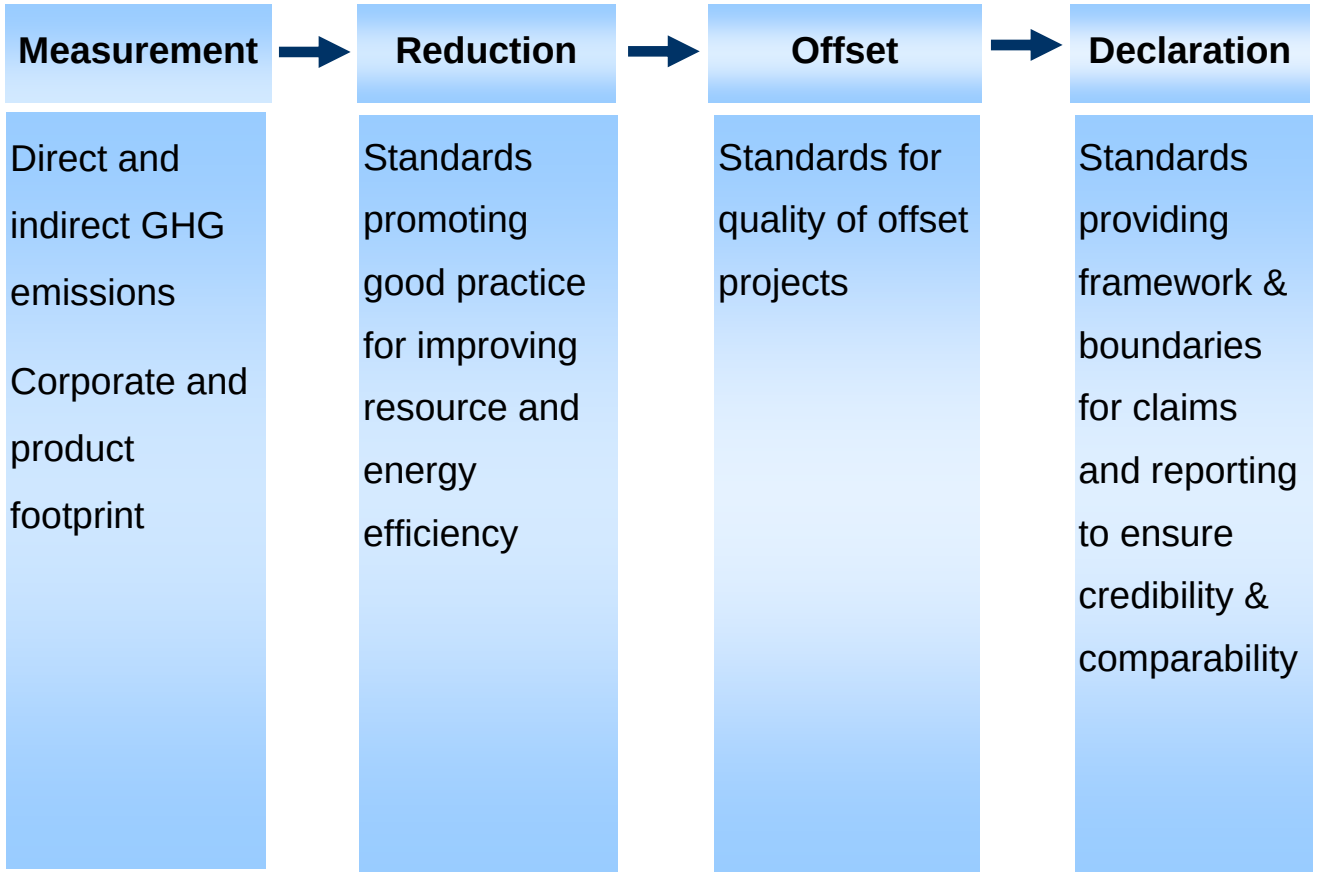
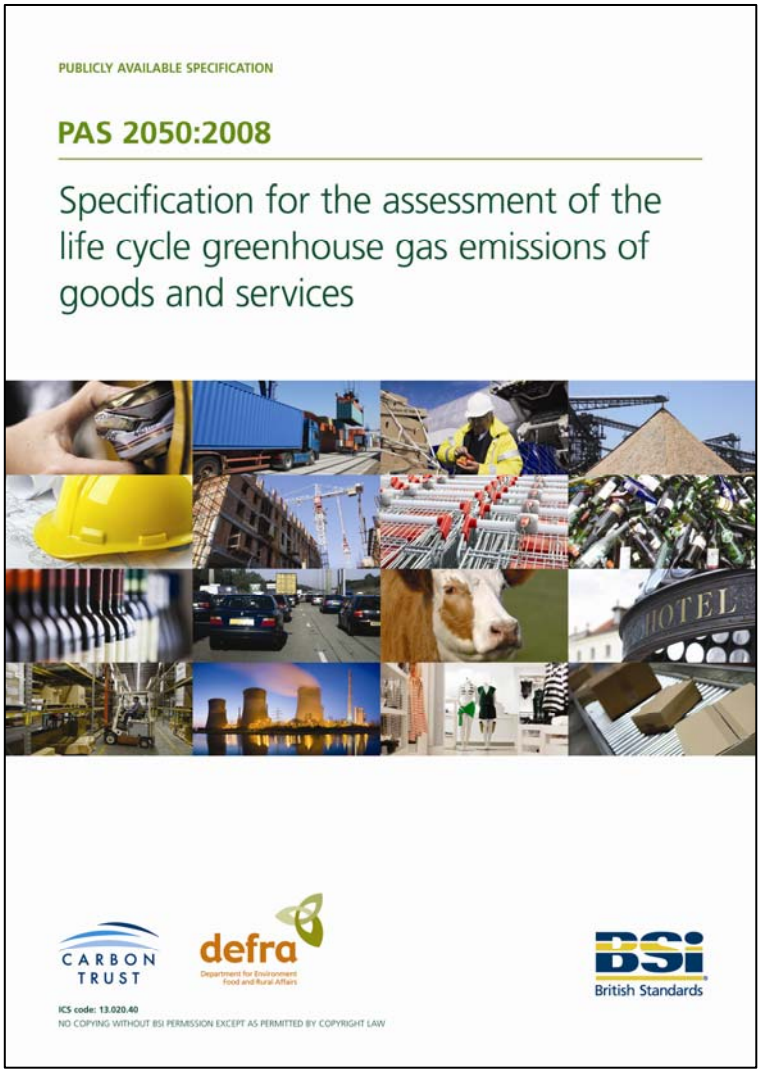
Standards for Measuring and Managing GHG Emissions



Product Carbon Footprinting – PAS 2050

- Published October 29th 2008
- Available at:

  www.bsigroup.com/PAS2050
- Guidance document to assist implementation



PAS 2050 – Overview

Partners

Aim

- A STANDARD & CONSISTENT method for measuring the life cycle GHG emissions of products (i.e. goods and services)
- Enable organisations to measure the climate change related impacts of their products (“single impact category”)
- Enable organisations to identify “hotspots” and improvement opportunities

Development

- Steering Group of experts
- Two rounds of consultation
- Over **1,000** stakeholders consulted
- Over **3,000** comments received
- Significant engagement with international stakeholders

PAS 2050 – Benefits

For organisations that supply goods and services:

- Allows internal assessment of life cycle emissions
- Facilitates evaluation of alternative approaches
- Provides a benchmark for ongoing programmes aimed at reducing GHG emissions
- Enables comparison of goods and services
- Supports CR reporting

For customers of goods and services:

- Common basis for communication of results
- Improved consumer understanding of life cycle GHG emissions

PAS 2050 – Scope

- Applicable to all products
- Intended for use by organisations of all sizes within all sectors of industry, regardless of geographic location
- Considers all lifecycle stages along the supply chain of a product (i.e. from raw material to end-of-life), but also applies to cradle-to-gate emissions
- Specifies requirements for identifying the system boundary, sources of GHG emissions that fall inside the system boundary, data requirements for analysis, and calculation of results
- Builds on existing international standards and LCA methods but also establishes additional principles and techniques to address essential aspects of GHG assessment
- Does not include requirements for communication and reduction of GHG emissions
- Does not assess other potential social, economic and environmental impacts

PAS 2050 in Use

- **21,000+ downloads** since publication
- Applicable anywhere – used by UK companies and by companies based outside the UK (or on products made/sold outside the UK)
- Used by organisations from different sectors
- Used across long and complex international supply chains, but also by some smaller organisations
- Used on a variety of products, e.g. ready meals, smoothies, clothes, chemicals, building products, detergents, light bulbs, bags, paints,, washing machines, white goods, magazines, IT services...
- Comparability:
  - within the individual organisation/brand
  - between brands

PAS 2050 in Use – Lessons Learned

Method

- Organisations want a practical method that will let them assess the carbon footprint of their products and ensure that others are measuring in the same way
- Organisations want flexibility in application and communication of results – not all want (mandatory) labelling schemes

Development

- Further development of method – have to take decisions, to define the scope, to move the debate forward
- Robustness of consultation in development of method crucial – credibility of final method

Application

- Continuous improvement of PAS 2050 – companies learn by doing, and we learn from them
- Guidance document – very useful and well-received

PCF – Lessons Learned

Uptake of PCF

- Varied across sectors and types of organisations (large organisations v. SMEs)
- Varied across products (goods v. services; number of products; product ranges)

PCF – drivers and inhibiters

- Drivers – GHG reductions, hotspots and improvement opportunities, cost savings, PR…
- Inhibiters – business need, complexity, cost, expertise, guidance & supporting tools, regulatory & supplier pressure…

PCF Methodology

- Preference for publicly available, consensus-based methodologies (i.e. PAS 2050)
- Need for sector support/guidance

Improving PCF experience

- Availability of advice/guidance
- Collaborative supporting tools and mechanisms

PAS 2050 – Next Steps

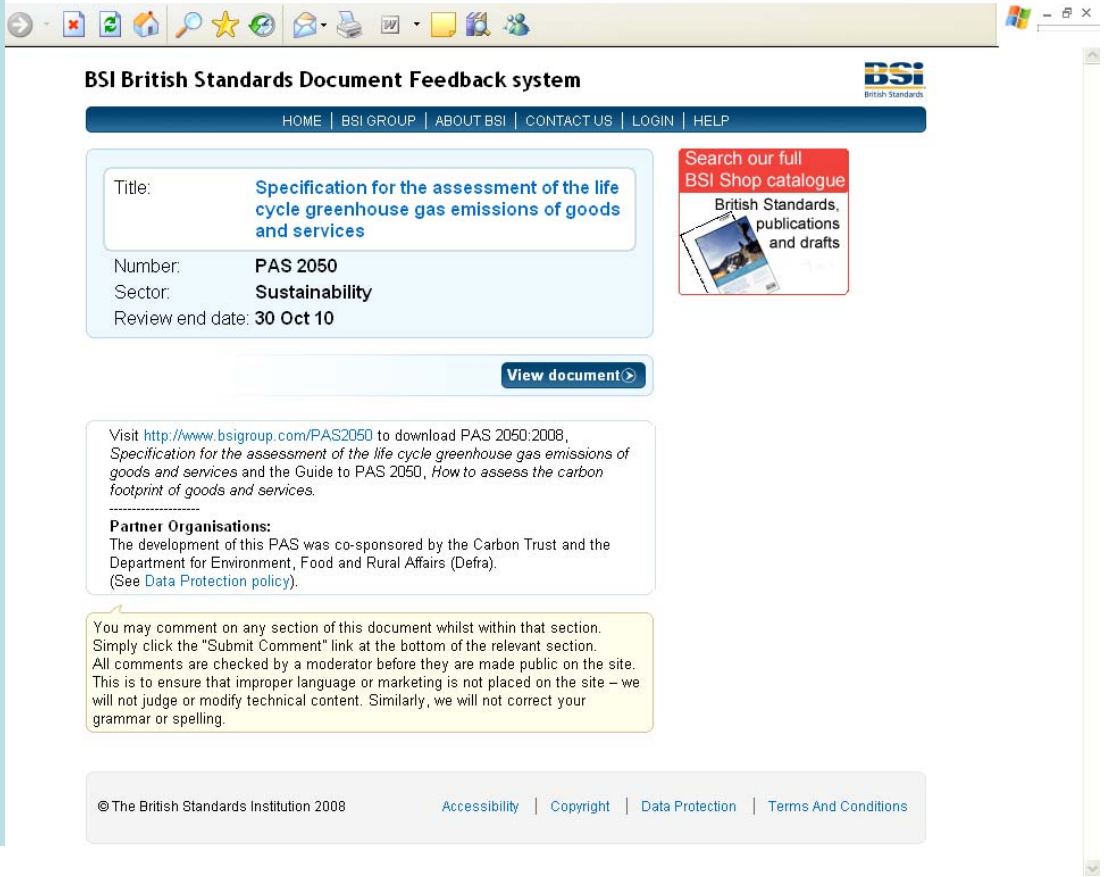
- Better secondary data, additional guidance and sector specific support
- Guide to PAS 2050 – 2009 updates
- Pending revision of PAS 2050
- International dimension:

  ISO standardisation – ISO14067

  WRI/WBCSD GHG Protocol Product/Supply Chain Initiative

Comments welcome

http://feedback.bsigroup.com/?i=222



ISO 14067 – Outline

- TITLE OF PROPOSAL

  Carbon Footprint of Products – Part 1: Quantification, Part 2: Communication

- TIMEFRAME

  Part 1 & Part 2 developed in parallel and published at the same time – 2012

- SCOPE

  Specifies requirements for the quantification and communication of GHG emissions associated with the whole life-cycle or specific stages of the life cycle of goods and services

- AIM

  Promote the monitoring, reporting and tracking of progress in the mitigation of GHG emissions

- SUPPORT STRUCTURES

  Responsible Body: TC 207/SC7/WG2; Secretariat: DIN

ISO 14067, GHG Protocol and PAS 2050

- ISO 14067 & PAS 2050
  - PAS 2050 acknowledged as one of the most developed assessment methodologies
  - UK expert input into ISO process with reference to PAS 2050
  - ISO 14067 and PAS 2050 co-exist?
- PAS 2050 and GHG PROTOCOL
  - PAS 2050 considered in the development of the GHG Protocol
  - UK participation in the development of the GHG Protocol

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