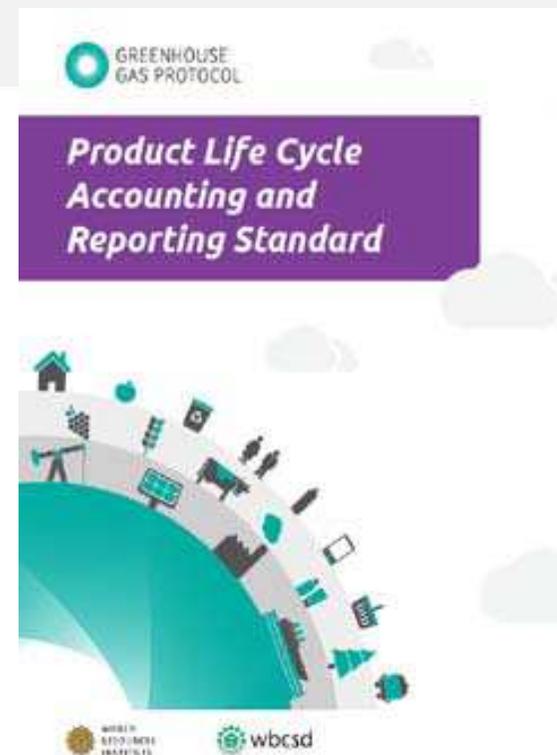




A Corporate Perspective on the Greenhouse Gas Protocol Product Life Cycle Accounting and Reporting Standard

Dr. Carina Maria Alles, DuPont
Dr. Laura Draucker, GHG Protocol

56th LCA Discussion Forum
September 9th 2014; Zurich Switzerland



Agenda Overview

- Drivers for standardization in carbon footprinting

- The Greenhouse Gas Protocol standard development process

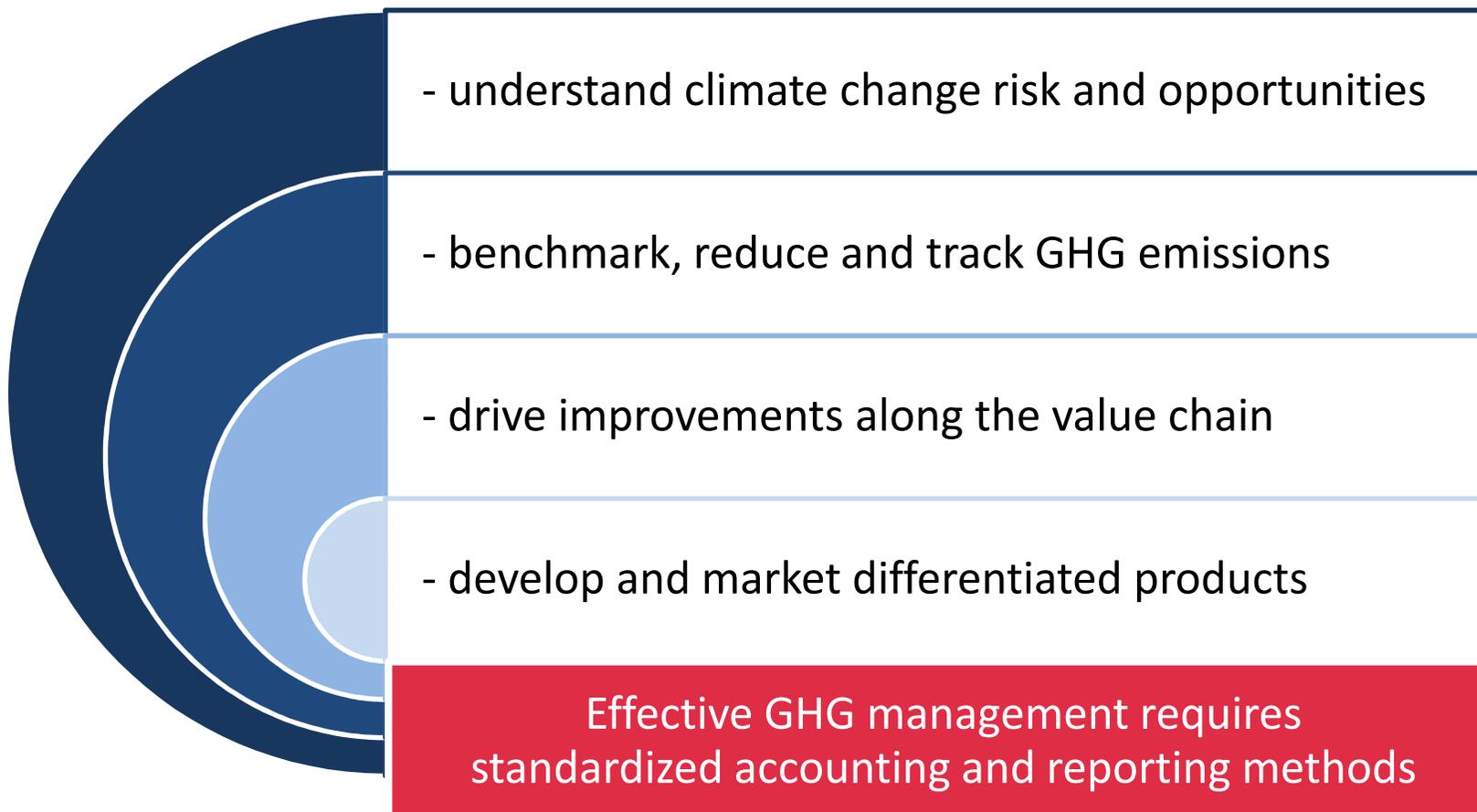
- Scope of the Product Life Cycle Accounting and Reporting Standard

- Challenges and limitations of a generic, single impact method

- Consequences for the stakeholders and needs for further work

... from a corporate perspective

Business benefits from product carbon footprinting

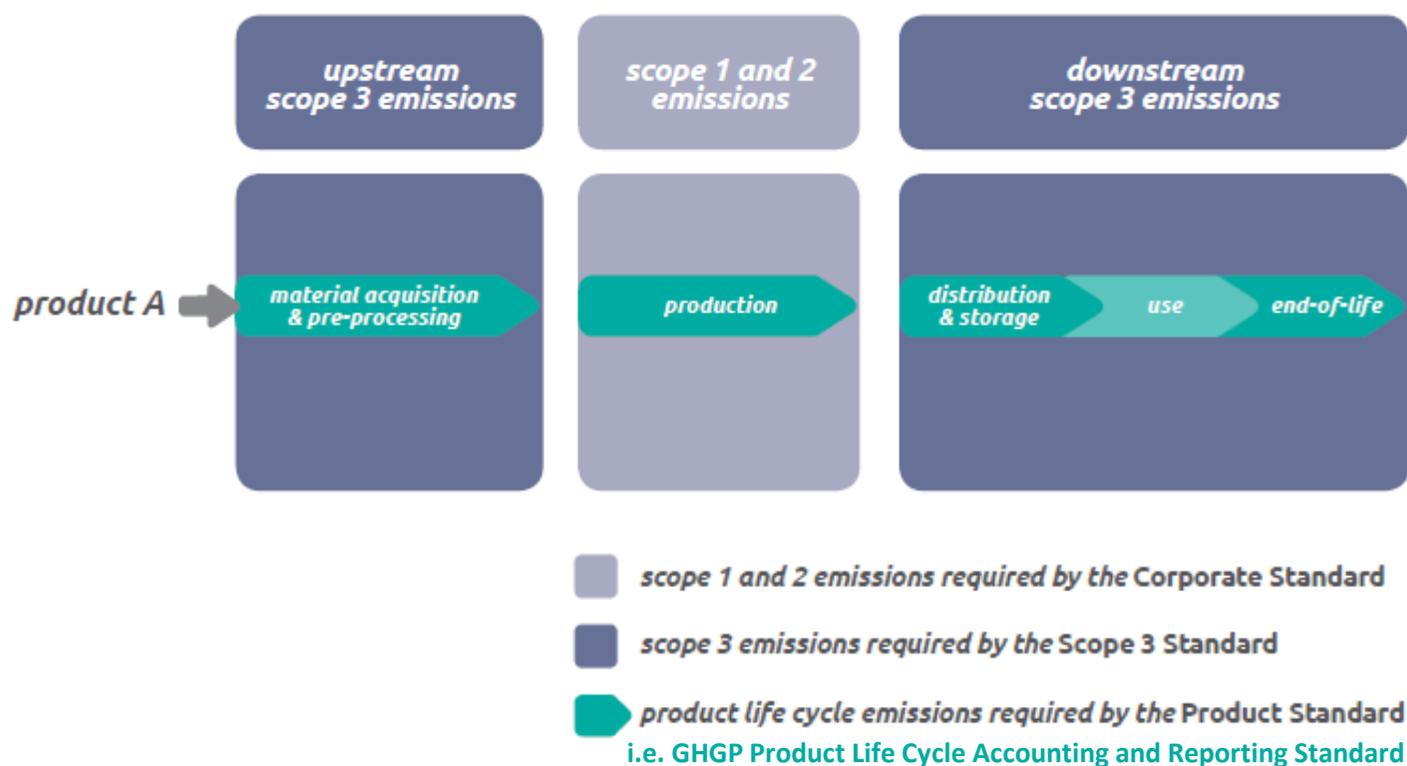


The Greenhouse Gas Protocol (GHGP) is a trusted partner in international standardization



- Multi-stakeholder partnership convened in 1998 by World Resources Institute & World Business Council for Sustainable Development
- **Mission: to develop internationally accepted greenhouse gas (GHG) accounting and reporting standards and promote their broad adoption to drive management and reduction of GHG emissions**
- Standards at corporate, project and product level used internationally by a broad array of stakeholders
- All standards, protocols, tools are freely available @ www.ghgprotocol.org
- *DuPont has been involved with the GHGP from the start*

Product Life Cycle Accounting and Reporting is integrated in a suite of GHGP standards

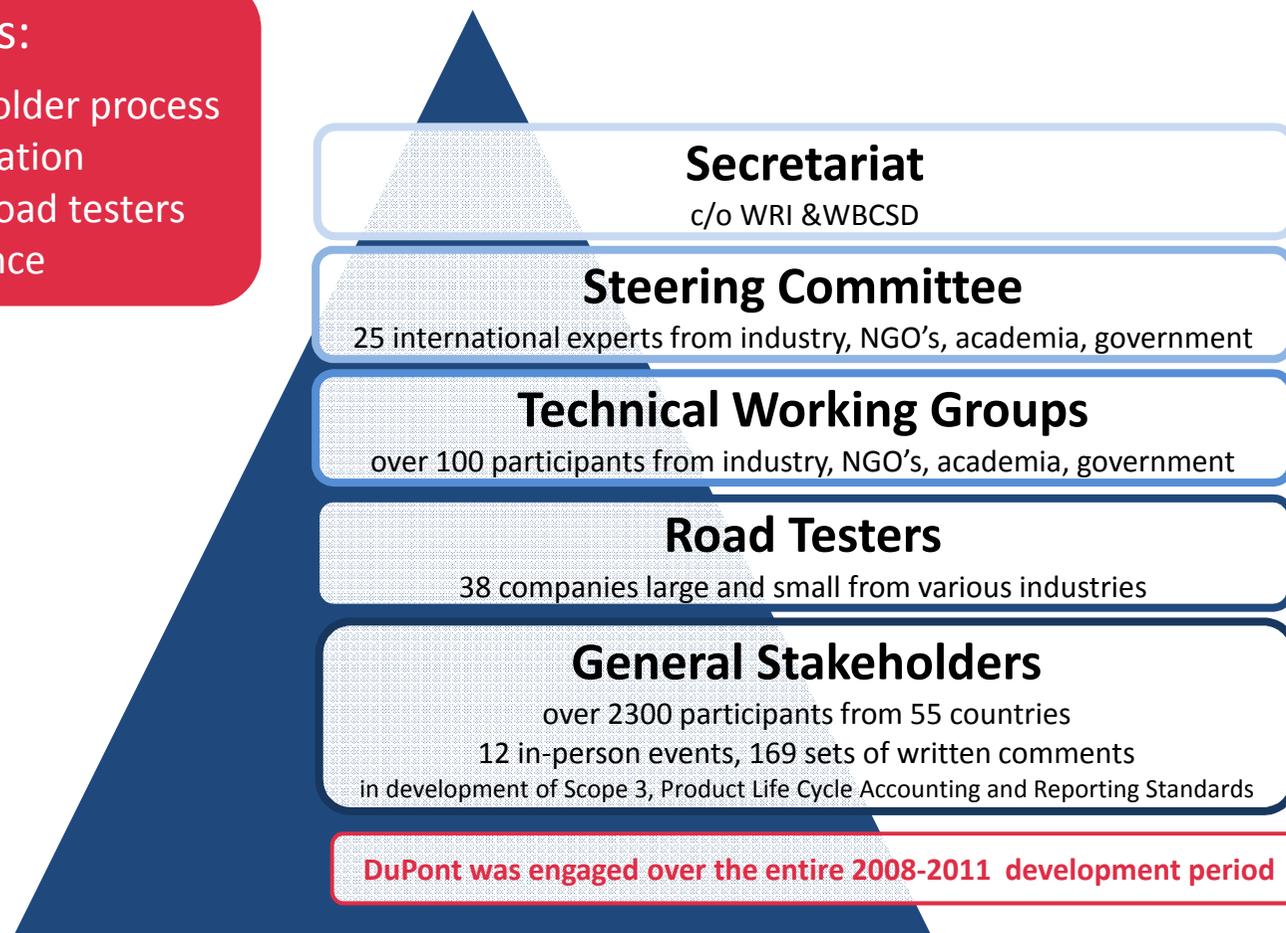


Consistency in methods and terminology facilitates broad adoption

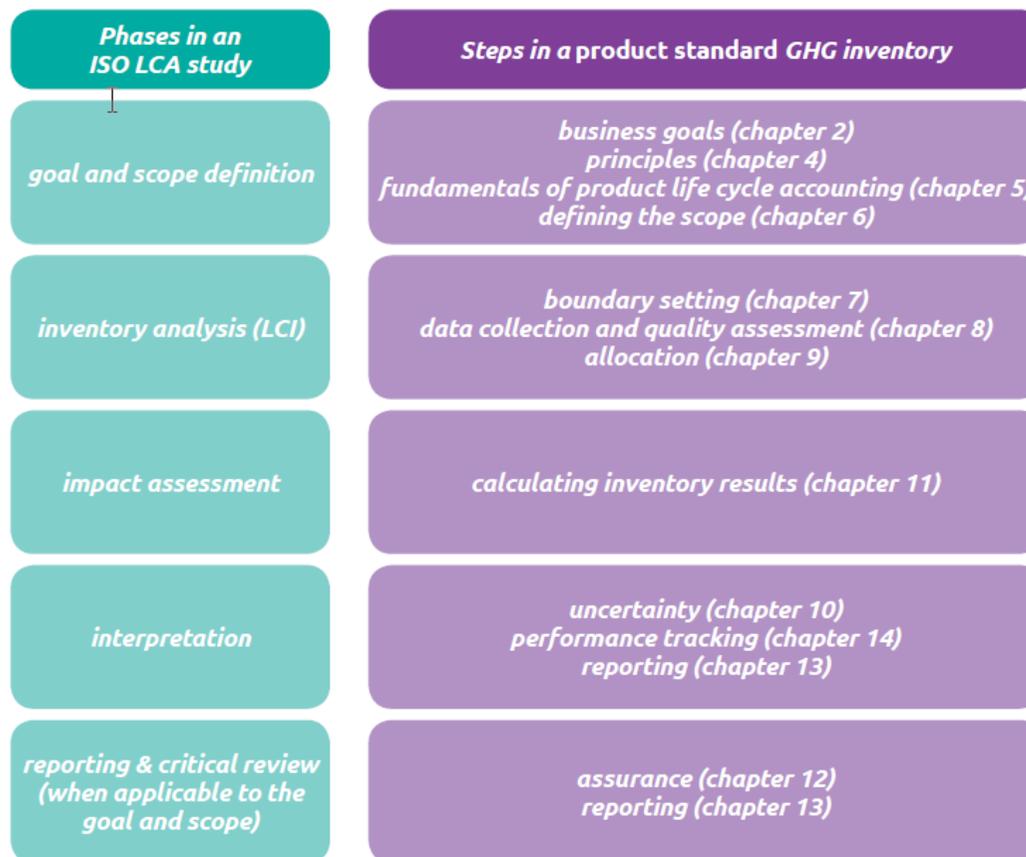
Many stakeholders contributed to the GHGP Product Life Cycle Accounting and Reporting Standard

Success Factors:

- inclusive stakeholder process
- global harmonization
- feedback from road testers
- tools and guidance



The GHG Product Standard translates ISO 14040cc into carbon footprint guidance for business use



Many LCA challenges also apply to this single impact method. In addition, potential trade offs between impacts need to be considered.

The generic GHGP Product Standard cannot provide sufficient details to support product comparisons

Supported by the Product Standard as-is

- Product performance tracking over time

Supported with additional specifications

(e.g. sector guidance, product rules)

- Purchasing decisions (e.g. by customers or consumers)
- Product labels

Not supported by the Product Standard

- Comparative Assertions (as defined in ISO 14044)

Further sector and product specific guidance is required!

The GHG Product Standard is widely accepted and spawned the development of tools and further guidance

Examples of tools in support of the Product Standard

Reporting
Templates

Data Base
References

Calculation
Tools

Capacity
Building

Examples of further sector and product guidance

TDMA
Carbon
Footprint
2012, www.tdma.info

WBCSD
Chemical Sector
GHG & LCA
2013 & 2014, www.wbcsd.org

ICCA & WBCSD
Avoided
Emissions
2013, www.icca-chem.org

GHGP
Product
Innovation
in progress, www.ghgprotocol.org

Inclusive international standard development builds capacity and facilitates collaborative approaches to solve sustainability challenges.



Thank you!



The miracles of science™

The information set forth herein is furnished free of charge and based on technical data that DuPont believes to be reliable. It is intended for use by persons having technical skill, at their own risk. Because conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as license to operate under or a recommendation to infringe any patents.