

# GHG Protocol: Moving Beyond GHGs

International Workshop of Scope 3  
and LCA for Organizations

**November 21, 2013**



## Presentation Overview

- Background on GHG Protocol
- Relationship of GHG Protocol with other standards
- How GHG Protocol corporate framework can be used to go beyond GHGs





## The Greenhouse Gas Protocol (GHGP)

- Launched in 1998 by



WORLD  
RESOURCES  
INSTITUTE



wbcsd

- 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**
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## GHG Protocol Offers:

International, inclusive and  
balanced stakeholder process

Full suite of freely available  
corporate GHG accounting  
standards

Guidance, tools, and training to  
support adoption of standards

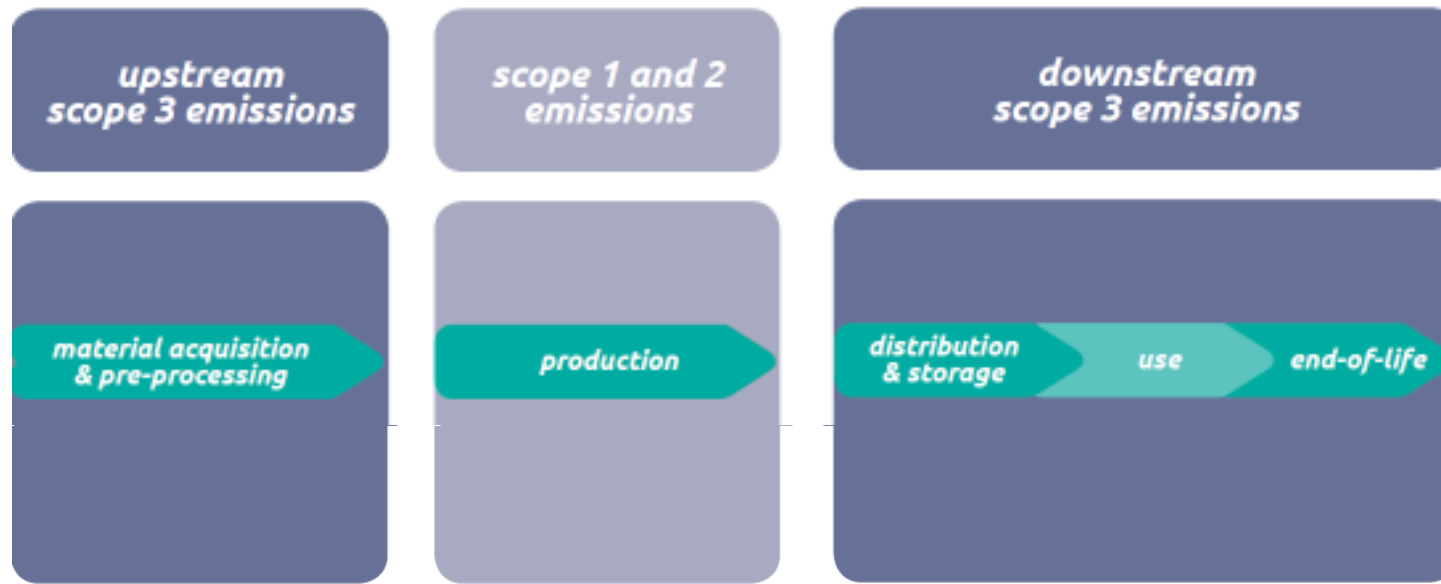
Foundation for sustainable  
climate strategies




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## Standards and Guidance under Development

	<b>Agriculture Guidance</b>	<b>Scope 2 Guidance</b>	<b>Mitigation Accounting Standard</b>	<b>City Accounting Standard</b>	<b>Financial Sector Guidance</b>
<b><i>overview</i></b>	How to account for emissions from agriculture companies	How to account for renewable energy purchases and related instruments	How to account for reductions from mitigation policies and actions	How to account for full value chain emissions from cities	How a financial company accounts for investments and lending
<b><i>anticipated availability</i></b>	Early 2014	Early 2014	Early 2014	Spring 2014	Late 2014
<b><i>how to participate</i></b>	Membership in stakeholder group; road-test	Membership in stakeholder group	Membership in stakeholder group; road-test standard	Membership in stakeholder group; road-test standard	Membership in TWG or stakeholder group; road-test guidance

## How GHG Protocol standards work together



-  *scope 1 and 2 emissions required by the Corporate Standard*
-  *scope 3 emissions required by the Scope 3 Standard*
-  *product life cycle emissions required by the Product Standard*

## Adoption of GHG Protocol Corporate Framework

- GHG Protocol Corporate Standard is the most widely used approach
  - In 2012, 72% of CDP reporters and 86% of reporters in the Global 500 used GHG Protocol Corporate Standard (1,300 companies)
  - Many countries have programs based on GHG Protocol including Brazil, India, Philippines, U.S. and Mexico
  - GHG Protocol is used by major international reporting registries including CDP, GRI and The Climate Registry

The Greenhouse Gas Protocol



A Corporate Accounting and Reporting Standard  
REVISED EDITION



## Goals of Organizational LCA

- Avoiding tradeoffs between impacts
- Simplifying LCA by identifying hot spots
- Demonstrating benefits of LCA beyond products

GHG meets these goals better than applying LCA to an organization



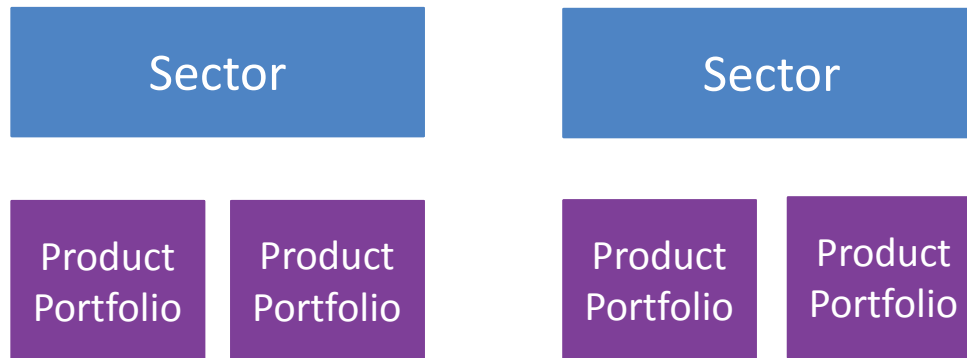




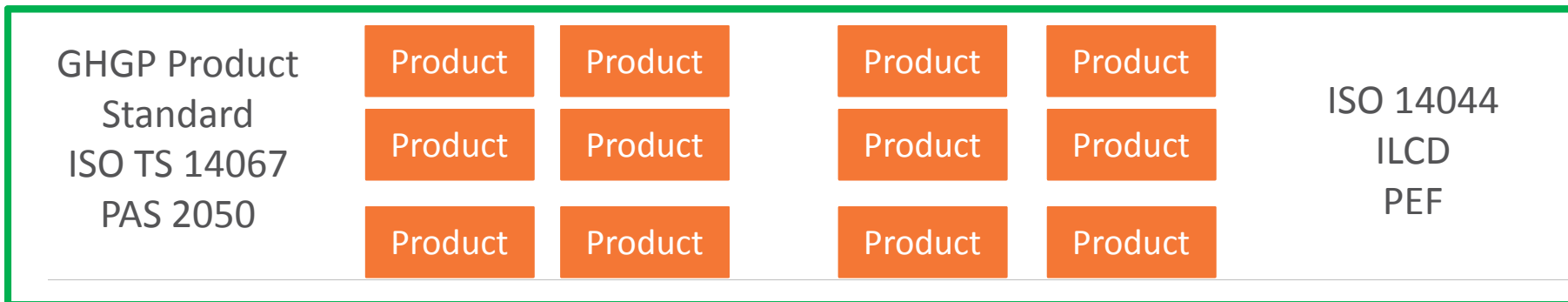
# Relationships between existing and proposed standards and guidance

GHG- only

Multi-impact

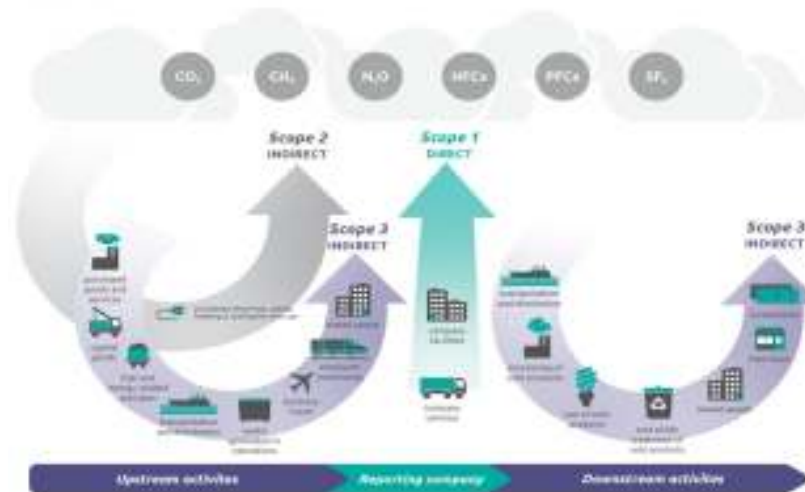


OEF SRs  
PEFSRs  
PCRs



## The GHG Protocol scope 1, 2, and 3 framework can be a useful basis for multi-impact quantification and reporting

- Scope 1, 2, and 3 are the most well known descriptions of a corporate value chain
- Uses “life cycle thinking” approach
- Several multi-impact reporting platforms, but consistent quantification methodology seems to be lacking
  - e.g., The CEO Water Mandate refers to the GHG Protocol framework for boundary setting , but additional guidance would be helpful

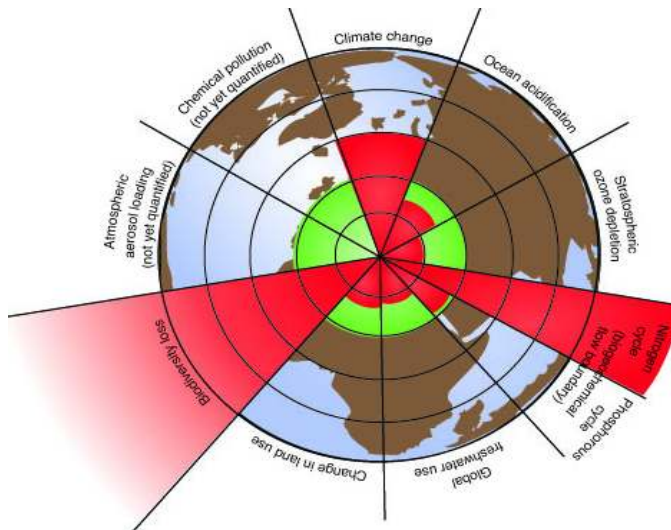


## Can the GHG Protocol scope 1, 2, and 3 framework be a useful basis for multi-impact quantification and reporting ?

- Potential limitations/questions to address:
    1. How to handle scope 2, purchased electricity:
      - Leave as is (only for GHGs from generation)
      - Expand to other environmental impacts from generation only, with all life cycle impacts in scope 3, category 3 ( upstream energy and fuel related activities)
      - Combine with scope 3, category 3 to make it cradle-through-generation for all environmental impacts
      - Expand to other purchased resources (e.g., purchased water) - generation only or cradle-to-gate
    2. How to collect data and report on “local” impacts (e.g., water risk)
    3. How to drive action through simplified measurement
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## Conclusions

- The time is right for a multi-impact approach using life cycle thinking
- GHG Protocol Corporate Framework can address impacts beyond GHGs
- GHG Protocol provides a practical approach to meeting the goals of organizational LCA
- GHG Protocol welcomes an opportunity to work with UNEP SETAC to harmonize the Guidance for Organizational LCA with the GHG Protocol corporate framework



Climate change is one of nine “planetary boundaries”  
Source: Azote Images/Stockholm Resilience Centre