



# The need for harmonized emissions accounting & the Coalition on Materials Emissions Transparency

*The Payne Institute* for Public Policy

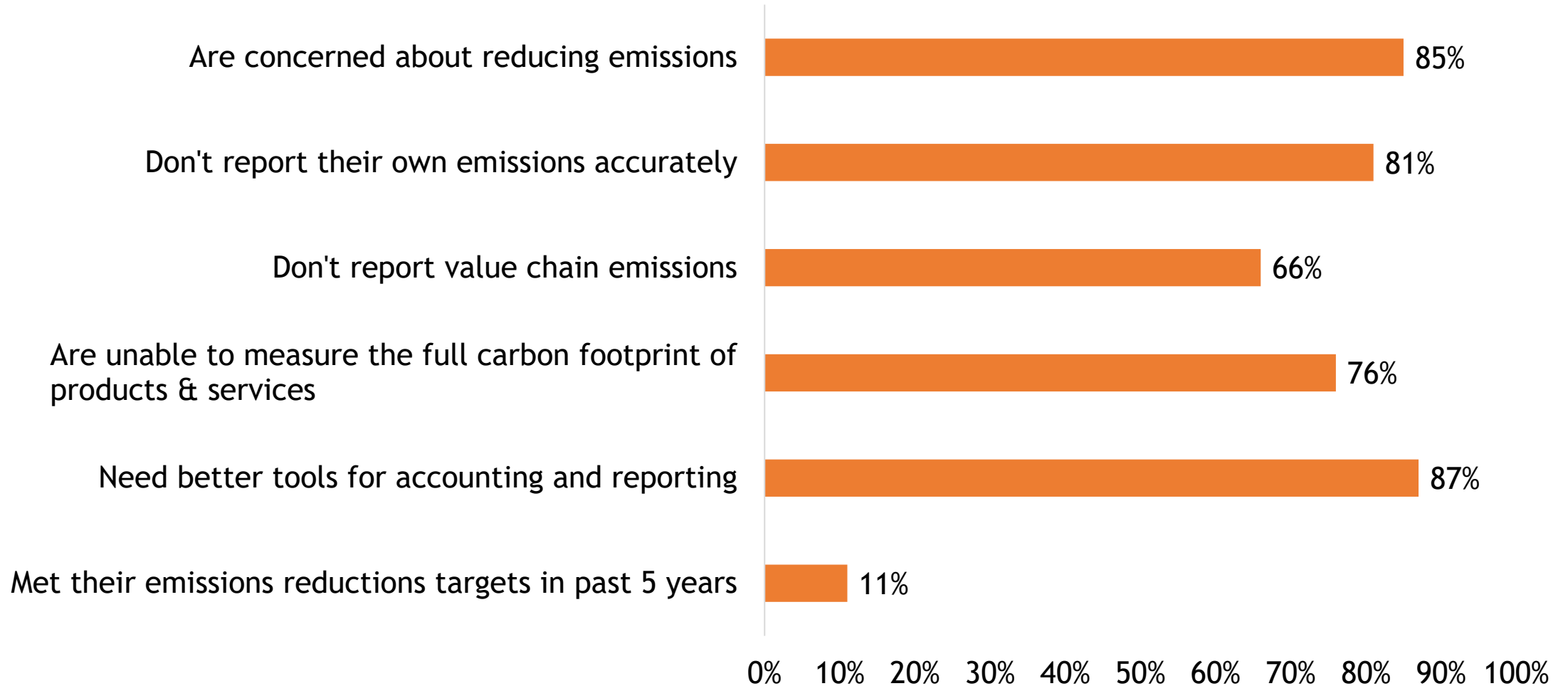


**United Nations**  
Framework Convention on  
Climate Change

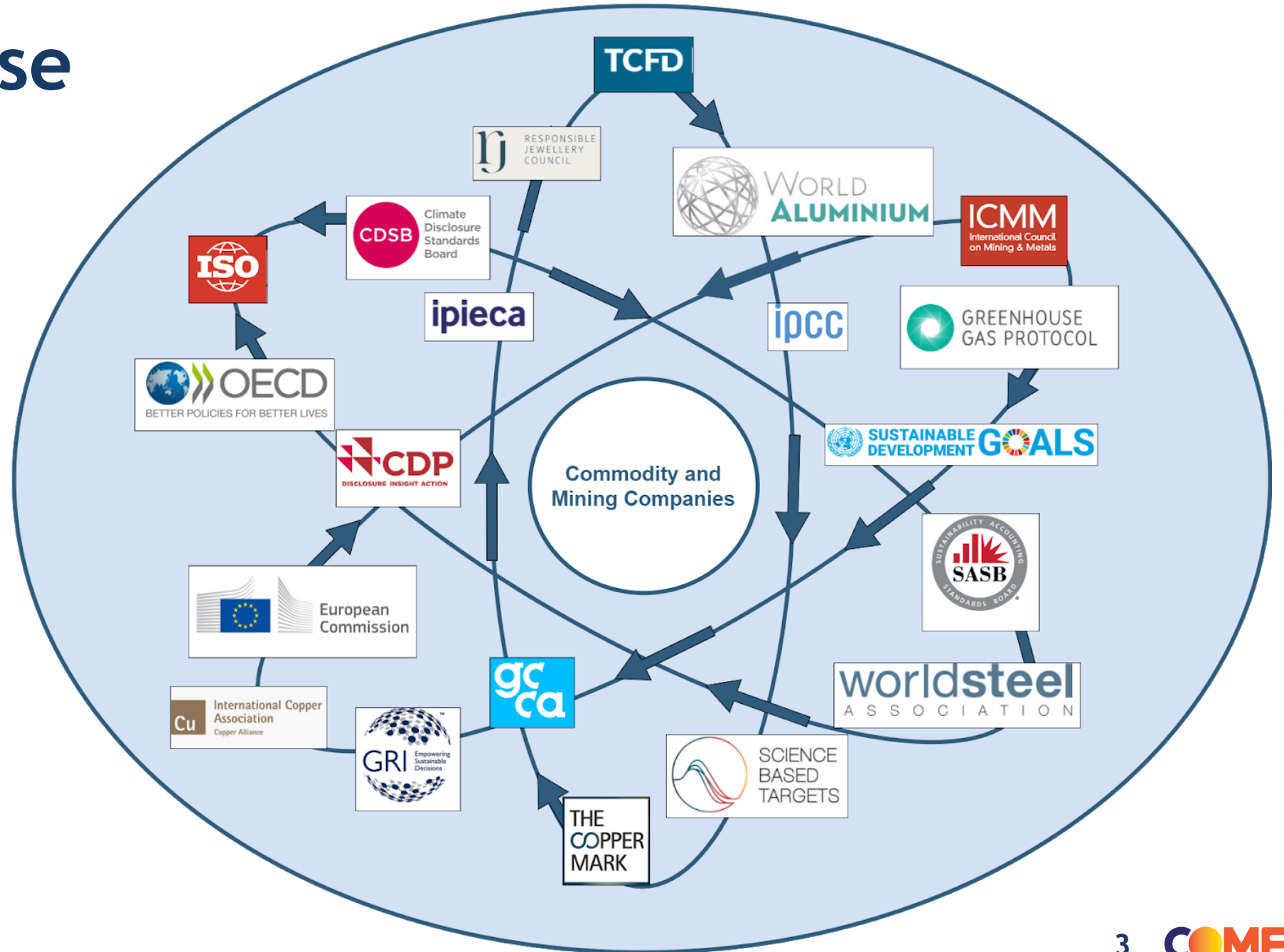


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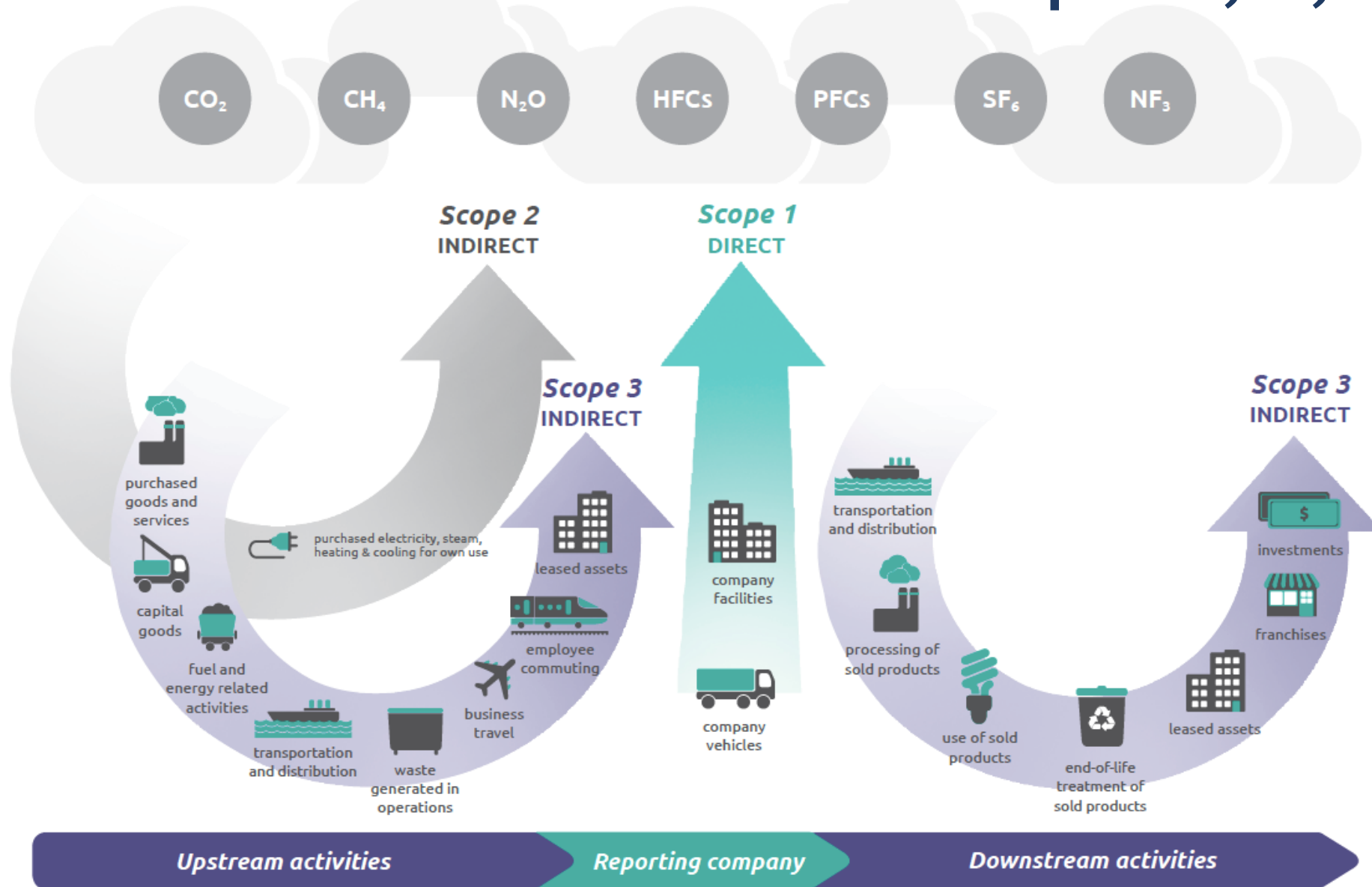
# Out of 1,290 companies surveyed by the Boston Consulting Group



Some of these  
may look  
familiar



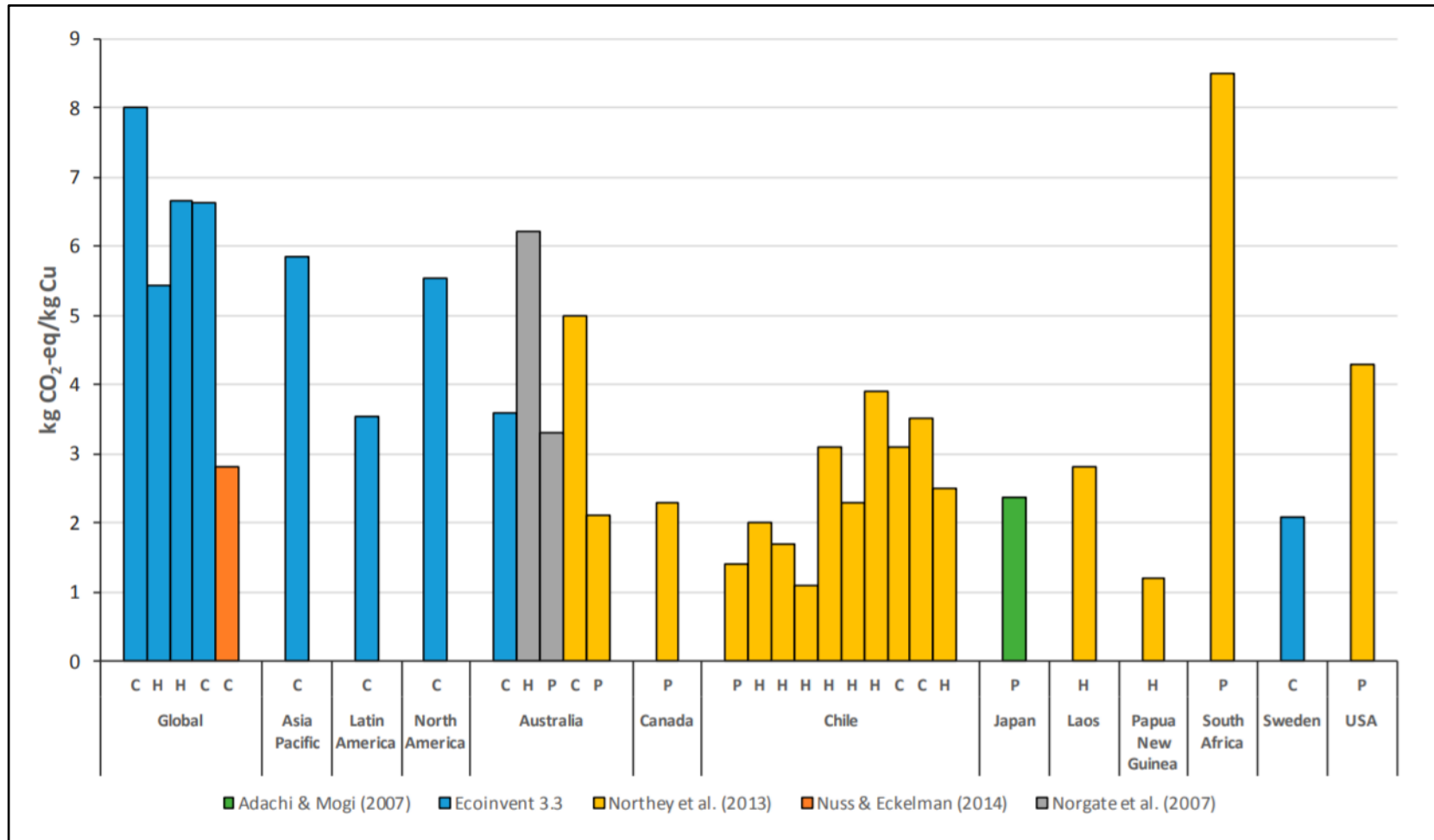
# GHG emissions are divided into Scopes 1, 2, and 3



Source: Figure 1.1 of GHG Protocol Scope 3 Standard.

# With multinational operations it can get complex

Emissions-intensity of copper production (cradle to gate)



Source: Ekman Nilsson, A.; Macias Aragonés, M.; Arroyo Torralvo, F.; Dunon, V.; Angel, H.; Komnitsas, K.; Willquist, K. A Review of the Carbon Footprint of Cu and Zn Production from Primary and Secondary Sources. *Minerals* 2017, 7, 168.



The Coalition on Materials Emissions Transparency (COMET) Framework is a standard harmonized methodology and attribution protocol that brings together the main greenhouse gas (GHG) emissions standards and protocols.

Launched in 2020 at the World Economic Forum in Davos, Switzerland, COMET is an initiative between:



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# Work Plan

1. **The COMET Framework: a comprehensive set of guidance documents representing the state of the art on carbon accounting and attribution.**
  - a. Compilation of current existing methodologies
  - b. Principles or “metrics for action”, all scopes
  - c. Best practices for data attribution between suppliers and buyers (a GHG Protocol 2.0)
  - d. Differentiators or detailed guidance for key materials
  - e. Interface for national GHG inventory / NDCs
2. **Web-Based Tool**

Web tool to make the COMET Framework applicable by users large and small, expert and non-expert
3. **Global utility showing country-level emissions data reported using the COMET Framework**

Global visual utility for national carbon accounting v1.0 (possible collaboration with ClimateTRACE)
4. **Coalition of industry and nonprofit organizations to become the promoter and the custodian of the COMET Framework as it evolves to encompass more sectors and serve the ever-expanding demand for climate-aligned disclosures**

Bilateral conversations with the COMET coalition and virtual gatherings to lay the groundwork for acceptance of COMET



**Thank you!**

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