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ISO 14001:2015 - How companies can address the new requirement of “Taking a Life Cycle Perspective” when identifying and assessing Environmental Aspects and Impacts

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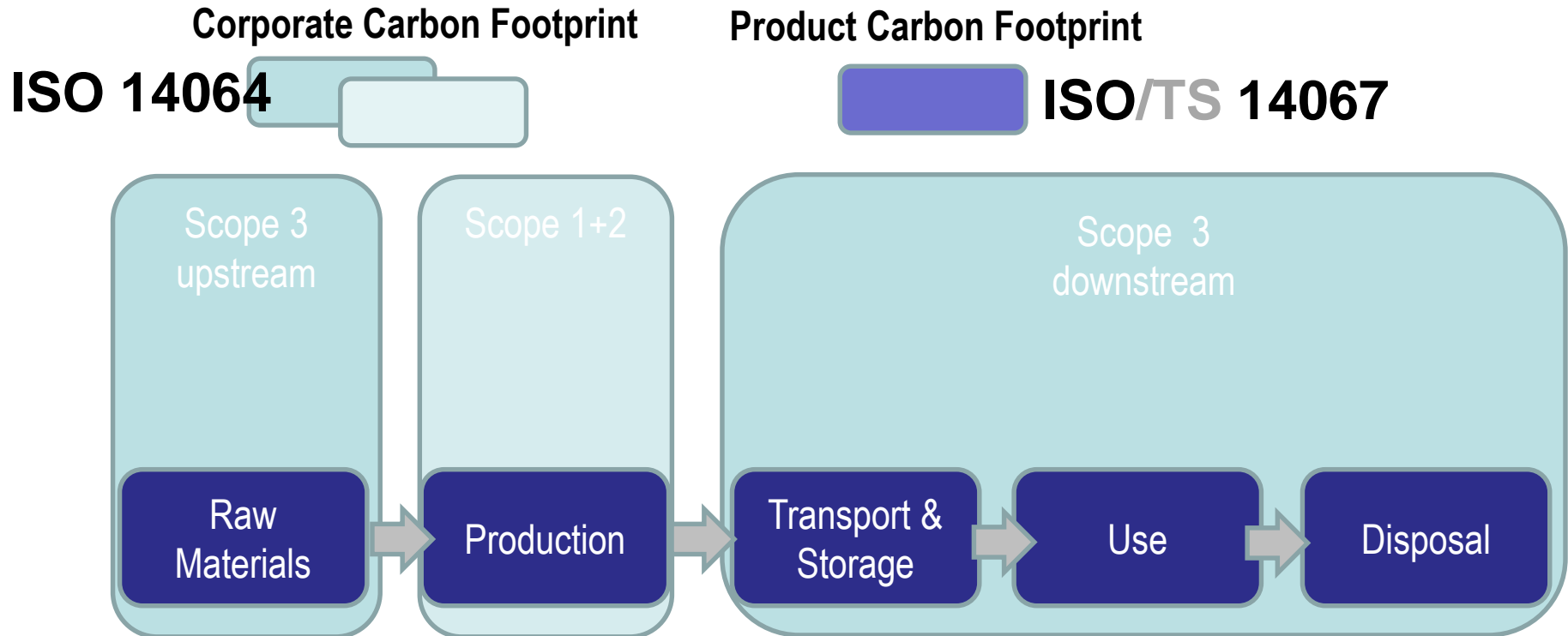
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Agenda

- ISO 14001 new requirement
- Early driver for taking a life cycle perspective:
GHG Scope 3 Accounting
- ISO Standards supporting a corporate life cycle perspective
- Organizational LCA, Organizational Environmental Footprint, Ecological Footprint, Hotspot Analysis
- What do the auditors request?

Early driver for taking a life cycle perspective: GHG Scope 3 Accounting



“The sum of the life cycle emissions of each of a company’s products, combined with additional scope 3 categories...should approximate the company’s total corporate GHG emissions...” (GHG Protocol Product Standard p.6)

Who is driving to include Scope 3?

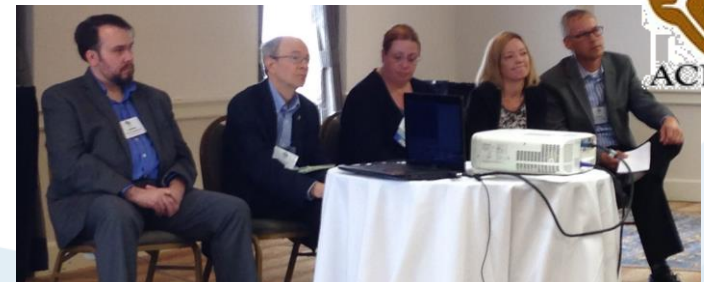
- When CDP started Scope 1 and Scope 2 only were reported by most companies
- Since 2014 the CDP provides a dataset with 10 categories of scope 3 and also extended to water



ISO 14001:2015 paragraphs A.4.3 and A6.1.2

- Newly required: taking a life cycle perspective, when assessing and identifying environmental impacts and aspects
- Timeline: Certifications according to ISO 14001:2004 are only valid until September 2018
→ starting from March 2017 companies will use the new standard for recertification

≠ doing LCAs for all products



Special Session during LCA XVI, Charleston, USA, Sept. 27th: Dow, 3M, Sabic, John Deere

ISO Standards supporting a corporate life cycle perspective

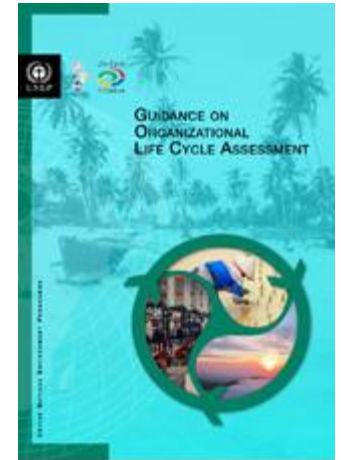
ISO 14040/14044 LCA = Life Cycle Assessment with
ISO / TS 14072 Requirements and Guidelines for
organizational LCA

ISO 14064-1,2+3 / ISO TR 14069 Quantification and
Reporting of GHG Emissions of Organisations

ISO 14046 Water Footprint based on ISO 14040/14044,
Guidelines for product water footprints and organizational
water footprints

Further Guidance

- **Guidance on Organizational LCA**
by UNEP/Setac Life Cycle Initiative
- **Hotspot Analysis**
guidance in preparation by UNEP/Setac Life Cycle Initiative
- **Organizational Environmental Footprint Guide**
by European Commission



What do the ISO 14001 auditors request?

- Not many experiences, therefore not yet fully clear
- „We want to see, that the company has a process in place to systematically address the environmental impacts along the life cycle, with a clear focus on the areas where the company has control or influence to change the impacts. Definitely not full LCAs for all products are requested.“

cited according to the internal audit handbook for ISO 14001 at DGQ

“Within the environmental management system, the company shall determine the environmental aspects of its activities and products that it can control and those that it can influence, and their associated environmental impacts, considering a life cycle perspective.

Adapted from ISO 14001:2015, A 6.1.2.

Challenges & Opportunities

- Interpretation of the text in the standard
- Persons in charge of the EMS have no or little experience with life cycle approaches, may also apply to auditors
- Data, data, data
- New alliances for collaboration internally and externally
- Life Cycle Thinking becomes integrated into the environmental management system

Questions now or later?

😊 email me

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