



CILCA 2017

VII International Conference on
Life Cycle Assessment in Latin America

ISO 14001:2015 – What does it mean to take a life cycle perspective

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Agenda

- Introduction ISO 14001:2015
- Analyzing different approaches for taking a Corporate Life Cycle Perspective
- Short overview on each approach analyzed
- Results and Conclusion
- Discussion

ifu hamburg

Productivity meets Sustainability.

e/sankey[®]
show the flow.

umberto[®]
know the flow.

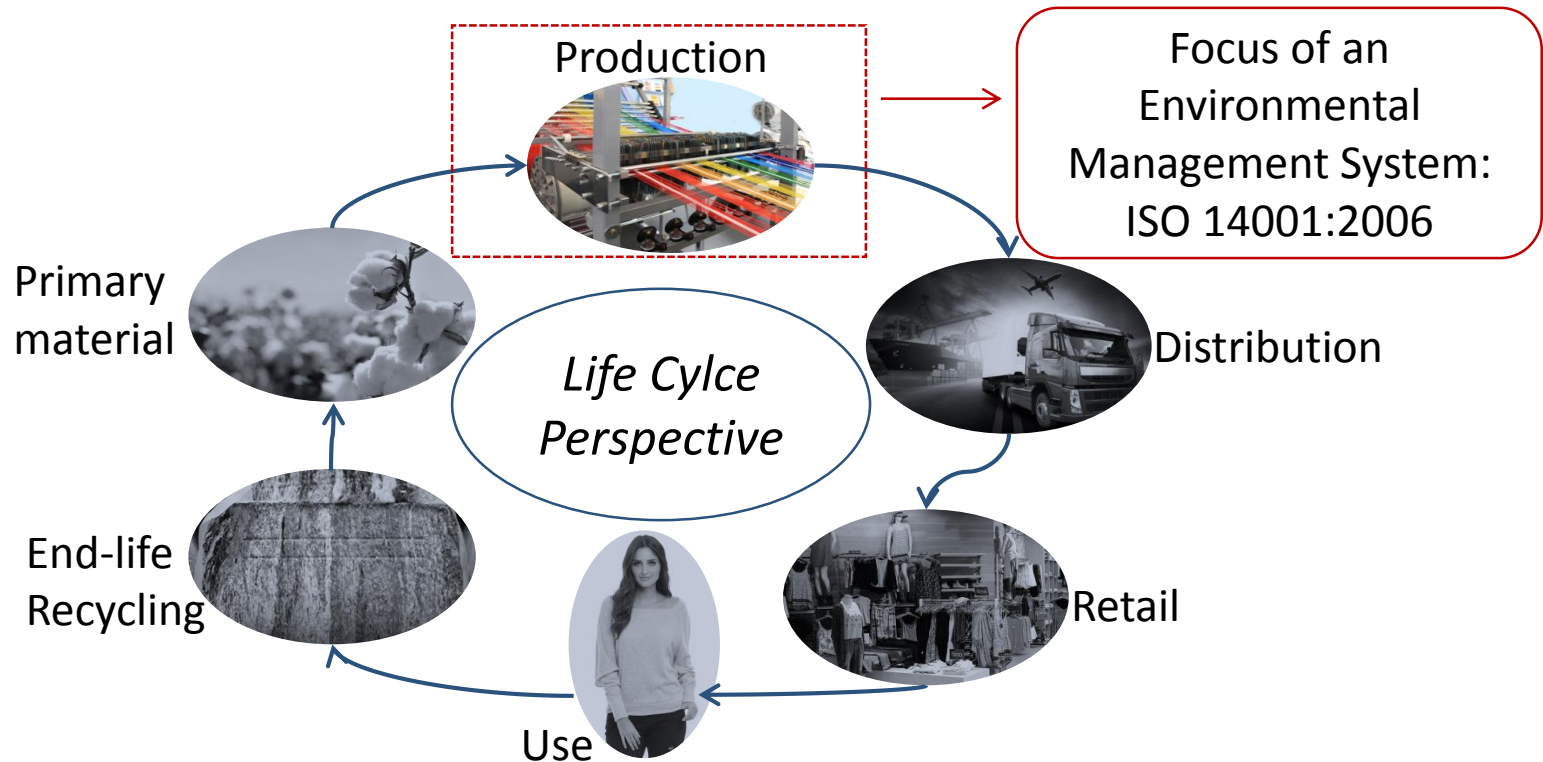


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Introduction ISO 14001:2015

New requirement: “take a life cycle perspective when assessing environmental impacts of the organization”





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Analyzing different approaches for taking a Corporate Life Cycle Perspective

Starting point:

How as a global company we can measure our corporate footprint and show our improvements?

- Which approaches do already exist?
- What experiences exist in industry with them?
- Can an approach be used for internal controlling and guidance?
- How recognized is an approach and can we communicate our progress based on it?

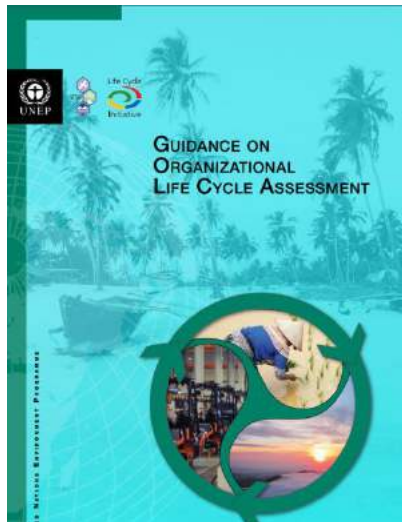


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Overview approaches for taking a Corporate Life Cycle Perspective

- Ecological Footprint (Wackernagel and Rees)
- Organisation Environmental Footprint (EC)
- Organizational LCA (UNEP and ISO / TS 14072)
- Natural Capital Protocol (Natural Capital Coalition)



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Organisation Environmental
Footprint Guide



Ecological Footprint Standards

2006



a project of
the Global Footprint Network Standards Committees



NATURAL CAPITAL
PRINCIPLES AND
FRAMEWORK



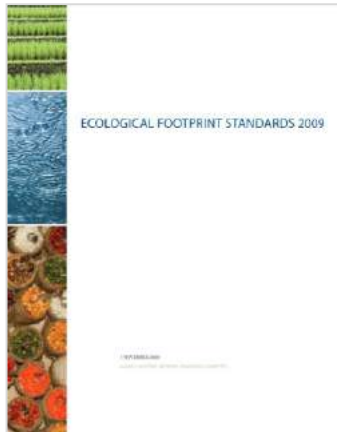
Ecological Footprint by Global Footprint Network

Ecological Footprint Standards

2006



a project of
the Global Footprint Network Standards Committees



- Caring capacity of ecosystems based approach, result in „global hectar“
- Earth Overshoot day 2016, August 8th, 2017 will be August 2nd
- Mostly applied for countries and regions, also finance sector
- little experience in industry
- example SITA French Waste Management Company (Footprint Calculator for Clients)



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Organisation Environmental Footprint by European Commission



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Organisation Environmental Footprint Guide



- Focus: direct and indirect caused annual Environmental Impacts of an Organisation
- System boundaries defined via Product portfolio
- Very few applications until now, even one pilot for hygiene articles stopped
- OEF CR Pilot on Copper production (AURUBIS is involved,)
- OEF CR Pilot on Retail (Colruyt Group, Belgium applied it)





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Organizational Life Cycle Assessment

ISO/TS 14072:2014

Environmental management – Life cycle assessment – Requirements and guidelines for organizational life cycle assessment

OLCA

Developped as part of the 14000er standards family

Based on ISO 14040/ISO 14044



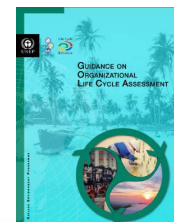
United Nations Environmental Programme (2015)

Guidance on Organizational Life Cycle Assessment

O-LCA

Guidelines referring to several other guidelines and norms

Flagship-Project „LCA for Organizations“ with Road-Testing (Start: 2015)



Natural Capital Assessment



- 55 Pilot companies – e.g Jaguar Land Rover, Shell, Kering, CocaCola, AkzoNobel, NovoNordisk
- Specific guidance for implementation for the sectors „Food and Beverages “ and „Apparel“
- Net Positiv Projects use Natural Capital Assessment, published cases: IKEA, CocaCola, Britisch Telekom, Kingfisher, SKF
- Environmental Profit & Loss Statements e.g. by Kering, Puma, Novo Nordisk

Founders:



Results and Conclusion

- ISO 14001:2015 is a driver to strengthen the life cycle perspective in companies
- all approaches analyzed are still rather new or not yet broadly applied
- O-LCA connects well with the existing experiences in companies such as CCF and Product LCA and creates basis for all approaches.
- Standards available belonging to the ISO 14000 series providing guidance for O-LCA in a consistent and interlinked manner, improves applicability.
- The interest that Natural Capital Assessment receives from industrial stakeholders allows the assumption that NCAs relevance will increase
- Currently the accessibility to and transparency of monetary values for environmental impacts or benefits is one limiting factor to a broader application of NCA.
- Being able to express environmental impacts and dependencies in monetary terms is seen as an advantage for the systematic inclusion of environmental aspects in corporate controlling and decision-making.



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Discussion – Questions – now or later

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http://go.ifu.com/cilca_2017

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