



Collaborative
Soy
Initiative

Expert webinar 28.03.2024

Soy and carbon: a critical review of policies and
(footprint) methodologies

Agenda



Welcome: Heleen van den Hombergh, CSI

Introduction by two CSI board members:

Emese van Maanen- ProTerra Foundation & Doutzen Wagenaar- ENSI

Carbon: the developments and issues around methodologies, commitments and offsetting

Theun Vellinga -WUR

The approach to aligning methodology

Laura Nobel -GFLI

Practices and reflections from standard setting organizations

GMP +, ProTerra + Donau Soja examples.

Q&A and dialogue on what a sound company carbon policy for soy would look like.

Wrap up at 16:30 max



Collaborative Soy Initiative

Vision: 100 % conversion free sustainable soy
production and market uptake
Information sharing and creating synergy

CSI products and services



- Expert webinars on hot topics and hard nuts that keep the soy world busy.
- Closed “meta meetings” between experts/ sustainable soy initiatives
- Info hub: soy start page with the most essential reports and tools. Always open for new info.
- Partnerships: agreement on financial contribution and co-creation of CSI products. Very important: never serving one interest alone and always in service of overall vision and mission.

See info hub: under CSI own materials:

- Collective narrative and soy “Magicube”: combining multiple tools for impact
- EU compliant soy with impact, company guidance version 1.1 (March 2024).

EU Compliant Soy with Impact: Guiding companies through the guidelines

Version 1.1, March 4, 2024




- Extended version with currently available tools expected after summer.



AIMs of TODAY's WEBINAR

- + Providing clarity about current dilemmas and opportunities concerning carbon footprinting.
- + Elaborating on the latest insights into differences in methodologies and specifically the themes where alignment is highly needed (*discounting of land use change, branded data*)
- + Encouraging you to make decisions that have a positive impact on the climate as well as other, related topics.



A brief introduction of key concepts

New Study Shows US Soybean's Carbon Footprint Decreasing



Pilot: Branded data

Compiled by Staff February 22, 2024 Environment & Climate, Research, Seed World U.S.

14 Aug 2020

Environmental footprint of certified sustainably produced Brazilian soy

Land Use Change and soy production

04/2022: MINUS 90%: DONAU SOJA / EUROPE SOYA CERTIFIED SOYBEANS AVOID GREENHOUSE GAS EMISSIONS

Switching to European soya reduces the carbon footprint of fish feed in aquaculture by a factor of 4.

ForFarmers helps farmers reduce their carbon footprint through responsible sourcing of soy

1 February 2022

Carbon footprint of Brazilian soy is highly variable

UNCATEGORIZED

Life Cycle Assessment Shows U.S. Soy's Carbon Footprint Has Considerably Decreased

March 01, 2024 | United Soybean Board

The SBTi launches the world's first standard method to cover land-related emissions and

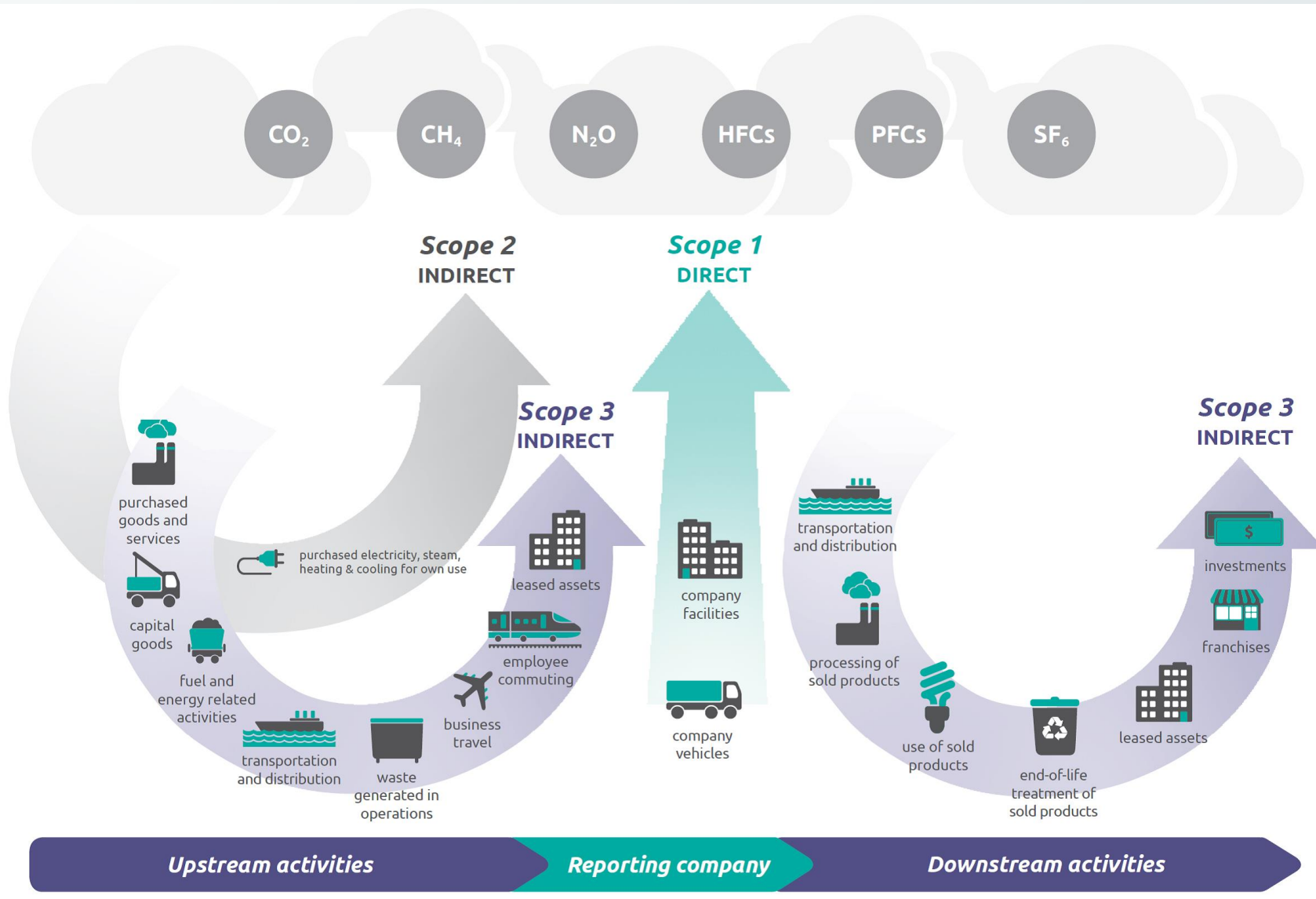
Carbon footprinting basics



- + Science Based Targets (SBTi) + Specific guidance for sectors in Forest, Land use & Agriculture (SBTi-FLAG).
- + Product Environmental Footprinting Calculation Rules (PEFCR)
- + Reporting about climate impact under the Corporate Sustainability Reporting Directive (CSRD).
- + Companies must report about scope 1, scope 2, and scope 3 emissions.



Scopes



Source: [Greenhouse Gass Protocol](#)



The carbon footprint of soy production & the challenge of land use change

- + Life cycle assessments (LCA) are used to calculate the impact of a product throughout its full life cycle.
- + The carbon footprint impact of soy production is mainly caused by land use change, the use of agrochemicals, and the use of fossil fuels.
- + In LCA methodologies, land use change is considered for 20 years. But it differs how it is considered.
- + There is a distinction between linear and equal discounting of land use change.



Discounting land use change



Source: [Blonk Consultants](#)



Methodological challenges: Branded data & Chain of custody models

- + Default values for the carbon footprint of soy in approved databases do often not sufficiently differentiate between regions or between (certified) groups of farmers who are proven to have a lower carbon footprint.
- + As a result, there is more and more attention on 'branded data'.
- + With branded data, also the question of chain of custody models comes in.
- + How can these 'lower values' be used in practice?
- + There are different approaches here as well (think: identity preserved, segregation, mass balance & book and claim).
- + Guidance on this topic is under development.

Key concepts:

- + Insight into the GHG emissions in the 3 scopes.
- + For soy land use change is key: linear or equal discounting.
- + More and more options for better (primary) data.
- + Guidance on use of primary data & chain of custody models needed.



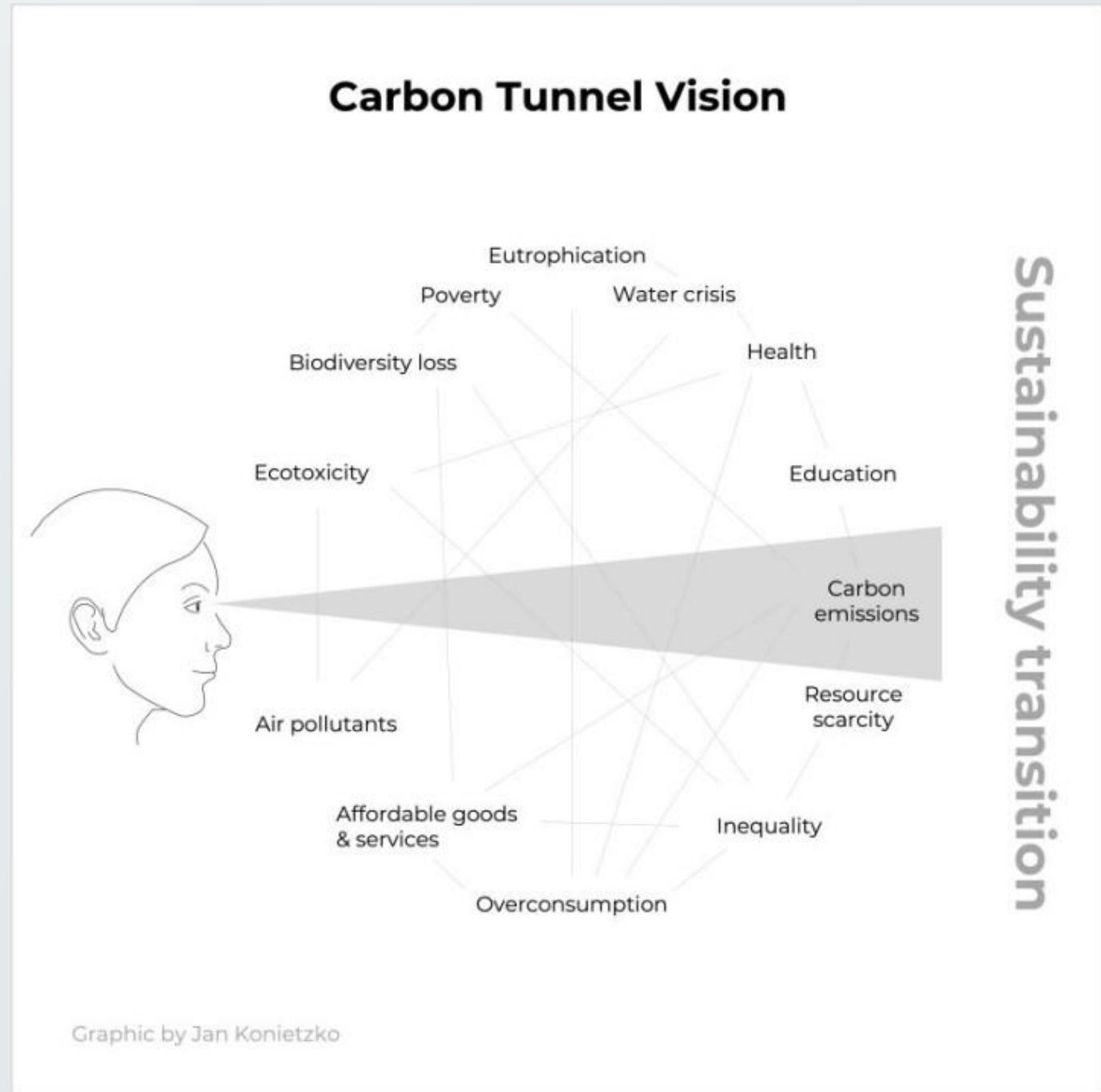


The carbon footprint of soy production in practice

- Tools are evolving, data are becoming available
- Legislative framework (Empowering Consumers Directive, CSRD, reporting...) and the need for alignment on reporting to reduce burden and confusion
- Standards publishing primary data (ProTerra Foundation since 2019)
- Crucial to maintain a holistic view of sustainability (carbon vs environmental footprint)

Wrap up, in summary:

- + Reducing emissions is crucial.
- + Important to achieve alignment on methodological topics.
- + Focus on real impact in the here and now (incl avoided deforestation and conversion)
- + Continue to work on integrated/ holistic sustainability: carbon, biodiversity, good agricultural practices (incl. chemicals).





Q & A -discussion



Collaborative Soy Initiative

Next expert webinar:

Cracking the hard nut: on finance and incentives for sustainable soy, organized with IDH.

May 16th 15:00-16:30 CET.

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