

ISCC Solutions for the Bio-based and Circular Economy

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Solutions to **tackle plastic waste** are urgently needed

450 mill. tons of plastic produced in 2015

> 1/3 of plastic used for packaging

> 90% of plastic not recycled

Packaging waste 1/2 of plastic waste

80% of plastic waste to landfill/ environment

Each year 9 mill. tons of plastic waste to oceans



Microplastic



Ocean plastic



Unused raw material

Sources: Geyer (2017); Jambeck et al. (2015); National Geographic (2018), Eco-Business (2019)

Brand owners are committed to a bio-based and circular economy

Selection



„Evian pledged to make all of its plastic bottles from only recycled plastic by 2025.“



“To increase the amount of recycled content in plastic bottles from "a paltry 7%" to 50% by 2030.“



*„Unilever has committed to ensure all of its plastic packaging is **designed to be reusable, recyclable or compostable by 2025**“*



*„Nestlé has pledged to **phase out all plastics that are not recyclable** or are hard to recycle for all its products worldwide between 2020 and 2025.“*



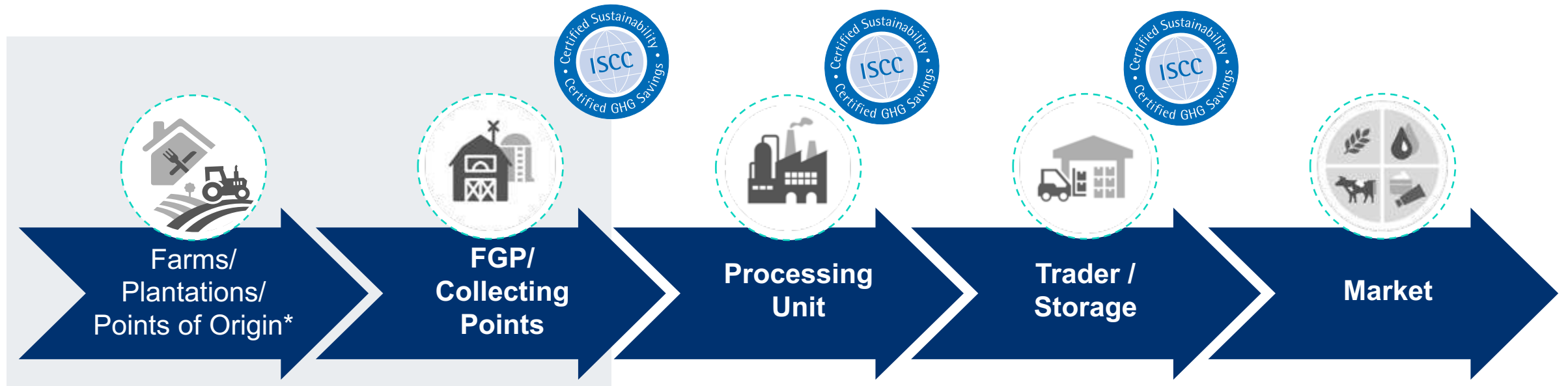
*„2030 goal: **Ensure 90% of product packaging is recyclable.**“*

Sources: Companies' websites, The Guardian (2019), BBC (2018).

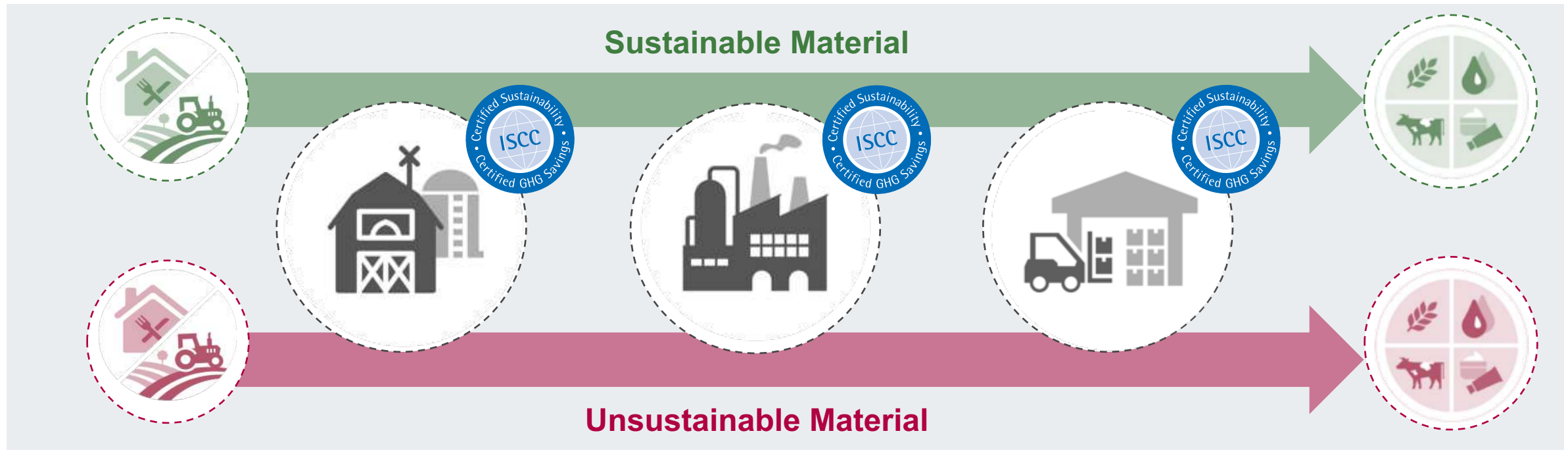
ISCC provides certification solutions for for a sustainable **bioeconomy** and **circular economy**



ISCC certification provides full **traceability** along the supply chain

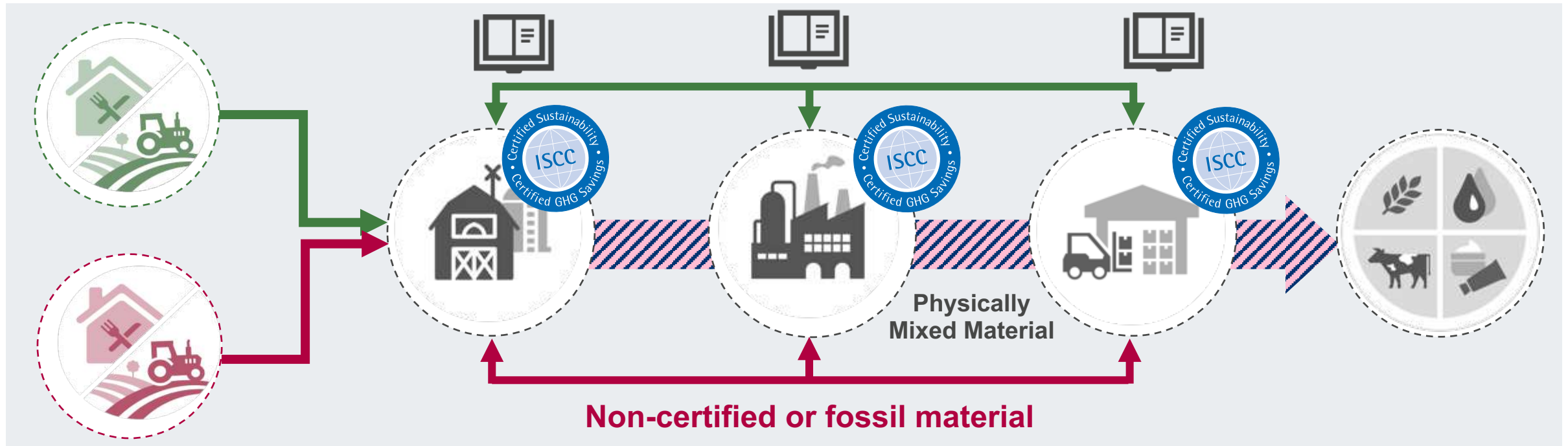


ISCC allows **physical segregation** in the supply chain if this is requested by customers



- **Physical segregation** of sustainable certified and non-certified material
- Deliveries **physically contain** 100% certified material
- **Possible claim:** 100% based on certified sustainable sources

Mass balance approach is mainly applied, e.g. to support the bio- and circular economy



- Sustainable, unsustainable or fossil material mixed, **segregated in bookkeeping**
- No entity sells more certified products than sourced (**conversion factors applied**)
- **Possible claim:** e.g. “linked to 100% recycled sources/ biogenic sources”

Different logos and claims, depending on the chain of custody option applied

Bio-based economy



Circular Economy



Physical Segregation



Mass Balance



Increasing number of ISCC members and System Users in the bio-based and circular economy



Independent ISCC certification:

- Sustainability
- Segregation or mass balance
- Traceability
- Feedstock identity
- Conversion factors/ volumes
- Add-ons (e.g. GHG/ LCA)
- Logos and claims



ISCC PLUS Training

Bio-based and Circular Economy

24 – 25 September 2019

Content:

Comprehensive information about the ISCC PLUS certification system

ISCC audit requirements and ISCC application along the supply chain

Chain of custody options, mass balancing, yield calculations and attribution approaches

Overview on logos and claims

ISCC training for the **bio-based and circular economy** in September

- Comprehensive two day training on ISCC PLUS **certification and requirements**
- Insights into the **practical certification** of the **circular and bio-based economy**
- Certification of **complex supply** chains in the **chemical** and downstream **industries**
- Physical segregation and **mass balancing** under ISCC PLUS
- Logos and claims for **attributed** products
- **Auditing requirements**



Many thanks for your attention!

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