Towards a more Sustainable Dairy Production
– is Carbon Net Zero milk possible?

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Arla Foods

60 000 hands

19 000 colleagues in 40 countries

11 000 owners in 7 countries

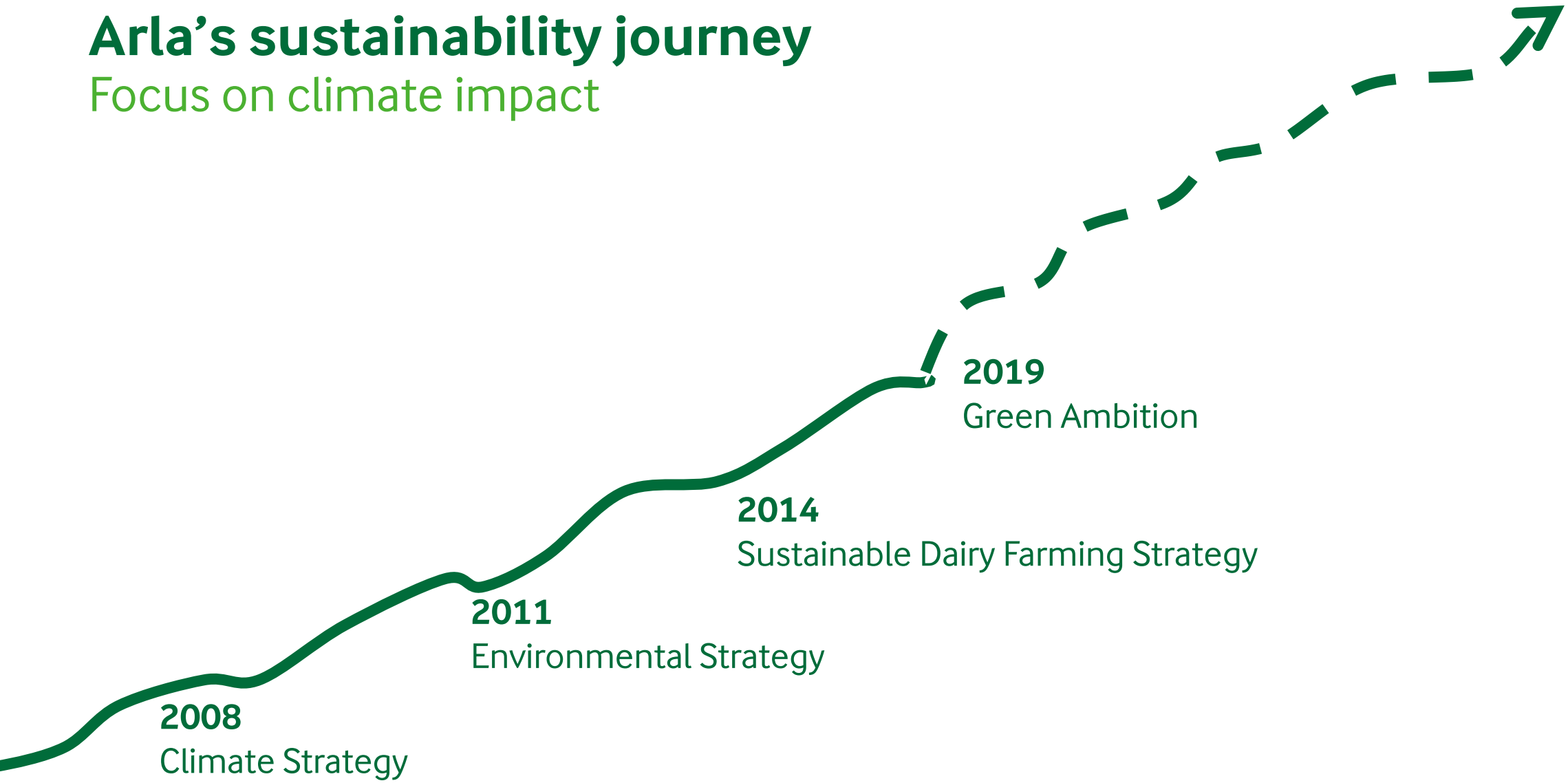
5 million hooves

14 bn kg milk intake

Largest producer of organic dairy products

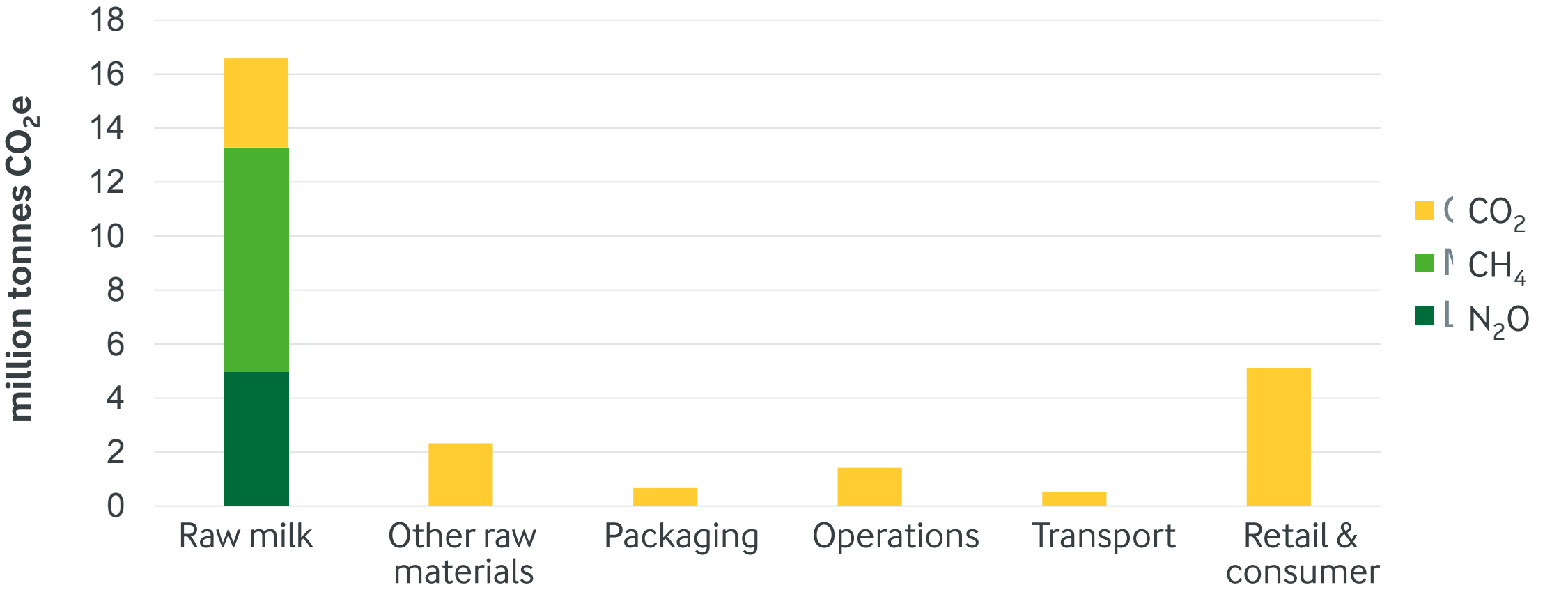
Arla's sustainability journey

Focus on climate impact



Greenhouse gas emissions from Arla Foods total production

Arla Foods' Environmental Profit and Loss Account (2016)



Reducing the greenhouse gas emissions in our value chain

Status 2018

FARMS

24%

Smaller CO_2e footprint per kilo milk since 1990

PRODUCTION

22%

Less CO_2e emission from production, packaging and transport since 2005

GREEN ENERGY

27%

Energy from renewable energy sources

Arla Foods' Green Ambition for the future focuses on 3 key areas

BETTER CLIMATE

Our Goal

Carbon Net Zero

CLEAN AIR & WATER

Our Goal

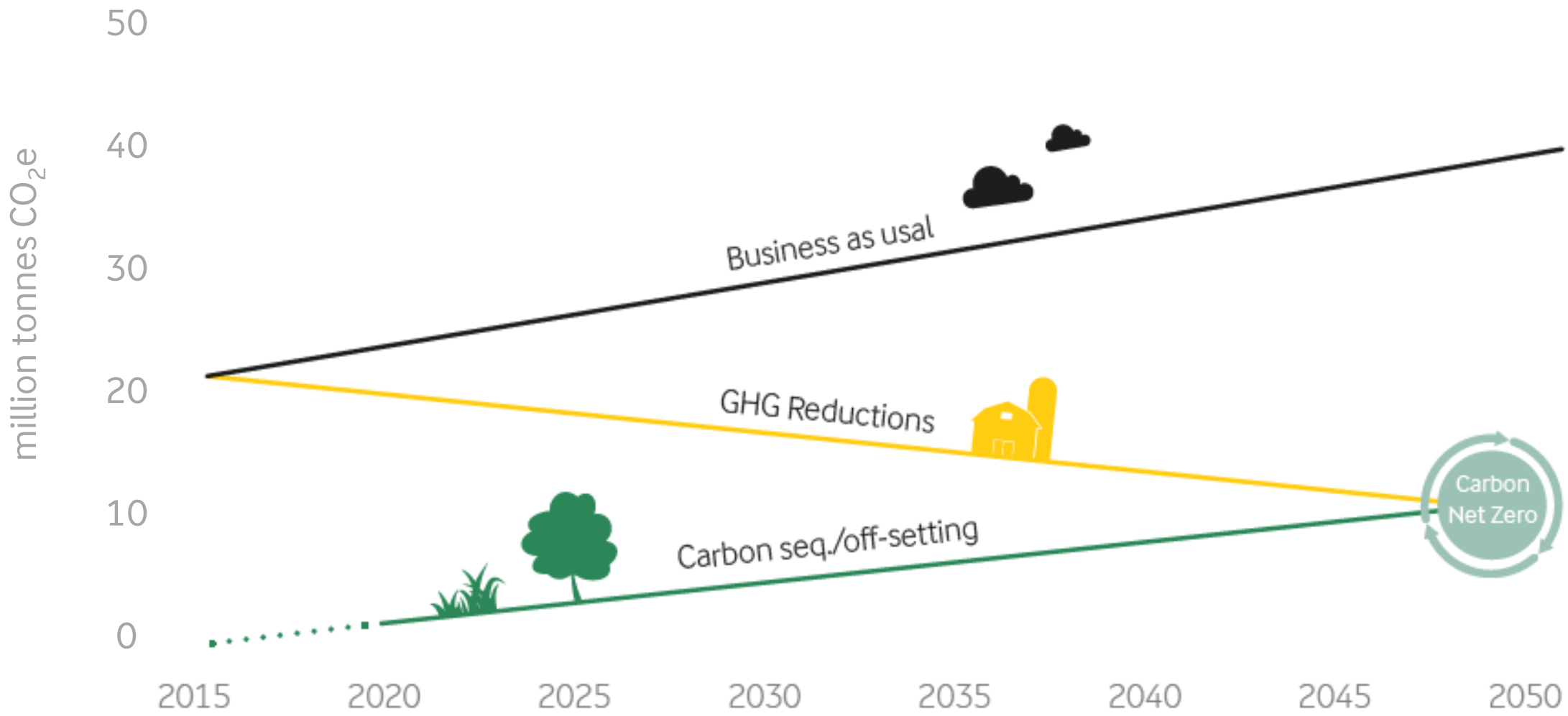
Nitrogen and Phosphorus Cycles in Balance

MORE NATURE

Our Goal

Increase Biodiversity and Access to Nature

Carbon Net Zero in 2050



Arla is committed to Science Based Targets

-30%

from 2015-2030

Scope 1&2:
30% absolute reduction in our own emissions (sites & transport).

Scope 3:
30% reduction in GHG emissions intensity from our milk production, packaging and other activities.

3 Guiding Principles will enable us to meet our goals and targets

FOSSIL
TO RENEWABLE

CIRCULAR
ECONOMY

COOPERATION IN
THE VALUE CHAIN

REDUCING EMISSIONS AT FARM LEVEL

WE AIM FOR MORE EFFICIENT AND PRECISE FARMING

REDUCE METHANE EMISSIONS
BY OPTIMIZING FEEDING

MANURE EFFICIENCY
TO MINIMISE EMISSIONS

EFFICIENT FEED PRODUCTION
REDUCE WASTE & EMISSIONS

RENEWABLE ENERGY ON FARM
WIND, SOLAR & BIOGAS

IMPROVE CARBON
SEQUESTRATION

ANIMAL WELFARE IN FOCUS

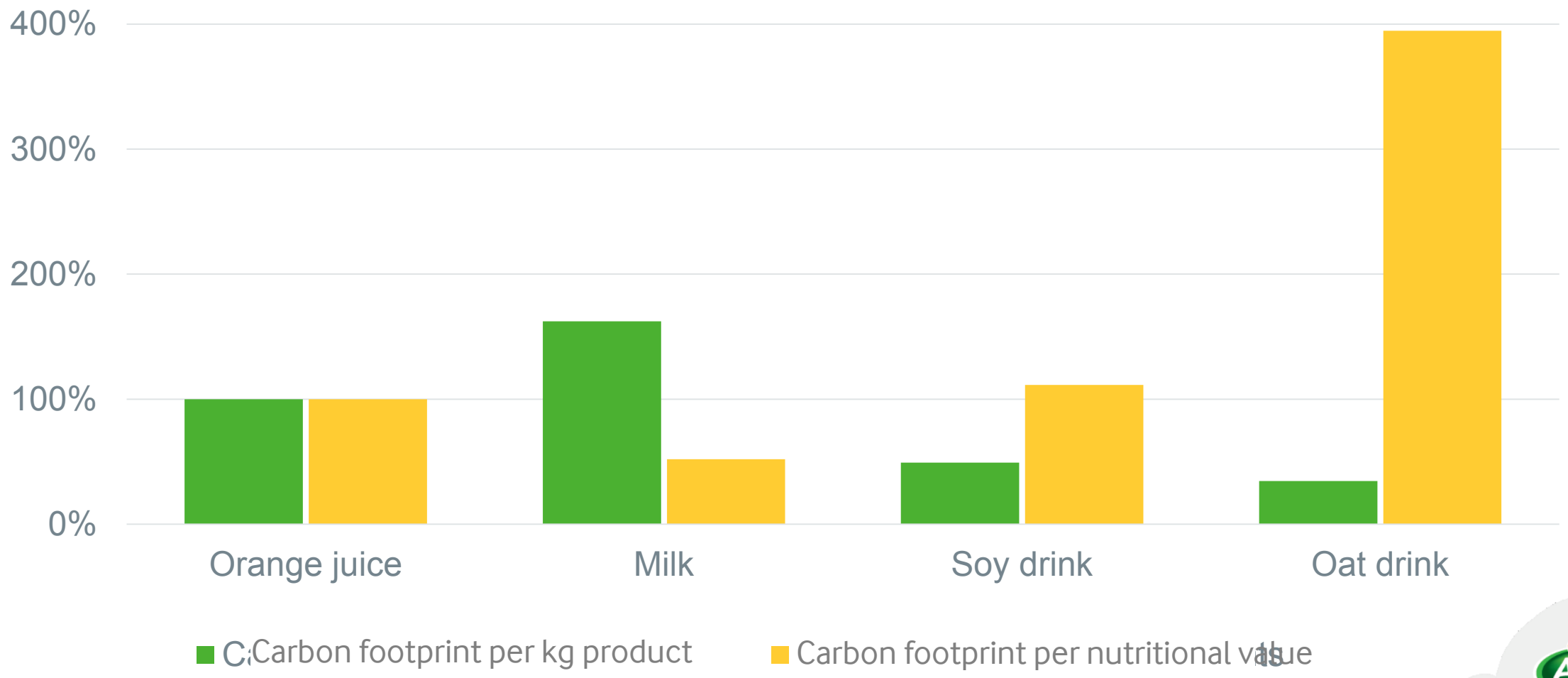
From minimize the negative to maximize the positive impact

THE FOOTPRINT

THE HANDPRINT

Carbon Footprint of various beverages in Sweden

How does the nutritional value impact the results



Smedman et al., 2010

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