

Hvordan dine klimatiltag giver mælken merværdi

Jan Dalsgaard Johannesen og Peter Wejse

26. februar 2024

2015 Et skelsættende år

SUSTAINABLE DEVELOPMENT GOALS





3

GOOD HEALTH
AND WELL-BEING



4

E

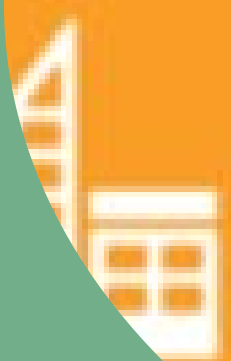


9

INDUSTRY INNOVATION



SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION





15 LIFE ON LAND



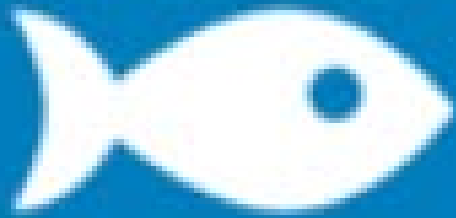
14 WATER



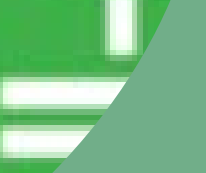
16 PEACE AND JUSTICE



14 LIFE
BELOW WATER



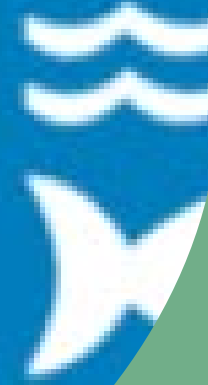
15 LIFE
ON LAND



13 CLIMATE ACTION



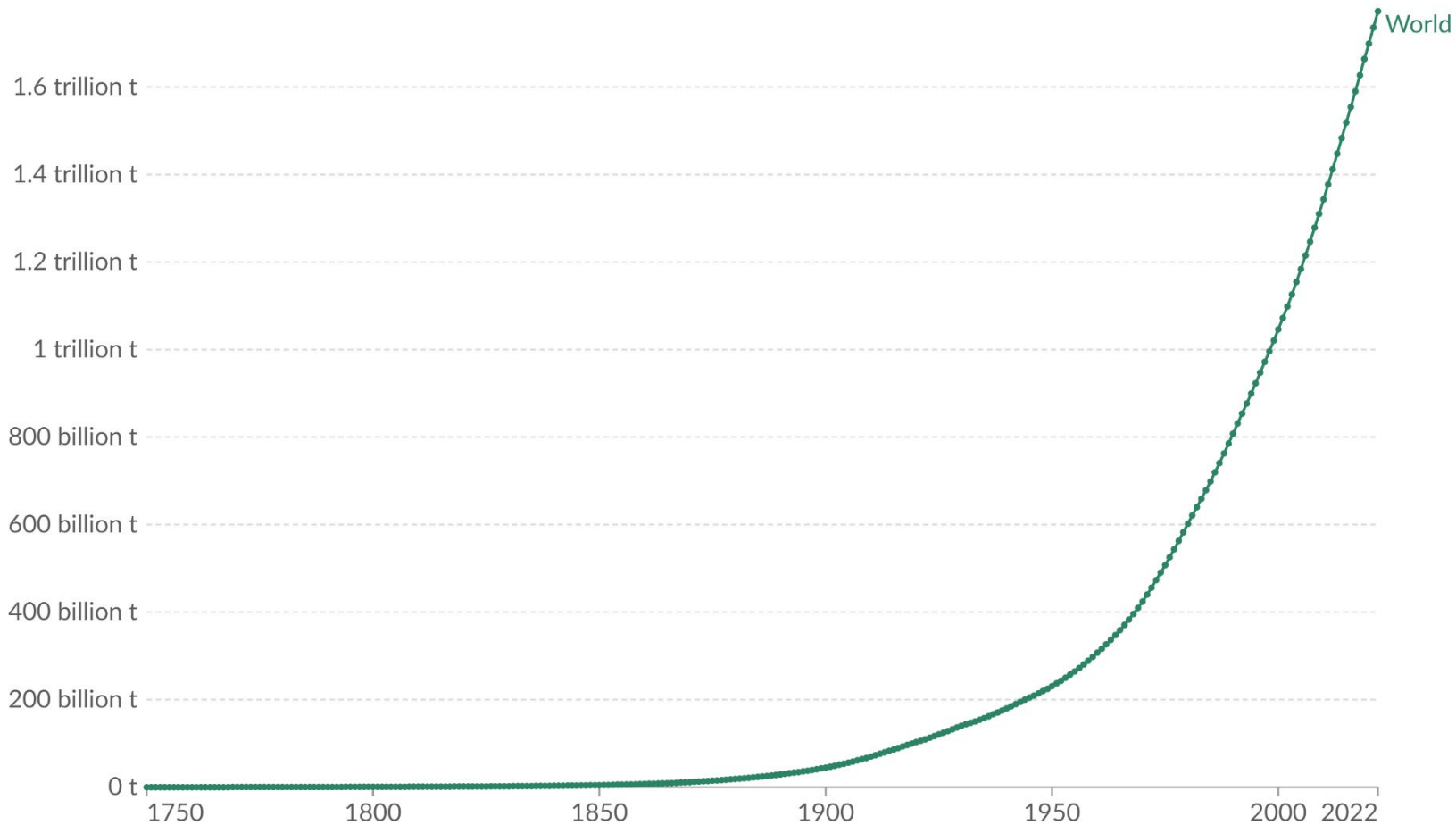
14



Cumulative CO₂ emissions



Running sum of CO₂ emissions produced from fossil fuels and industry¹ since the first year of recording, measured in tonnes. Land-use change is not included.



Data source: Global Carbon Budget (2023)

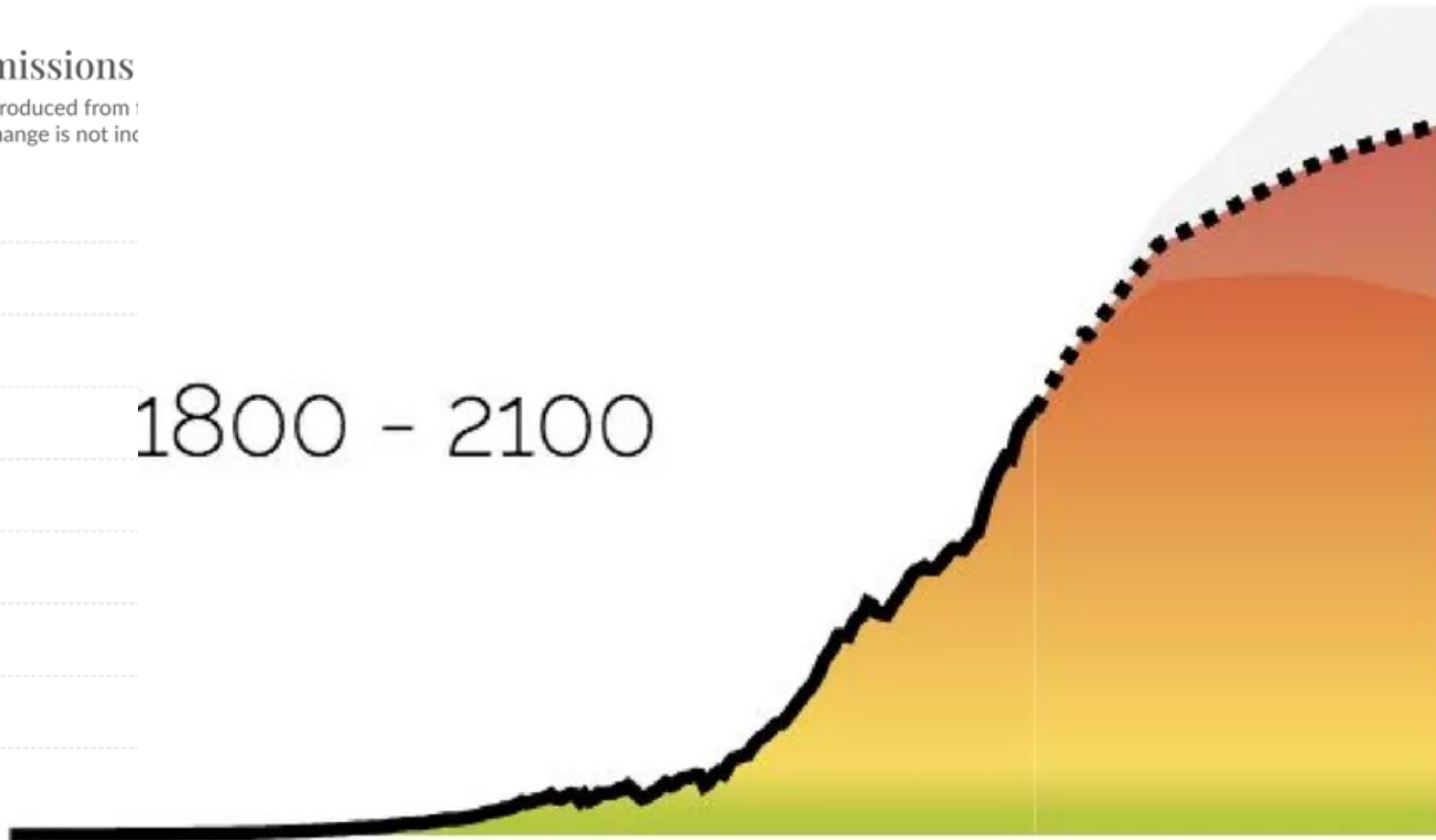
OurWorldInData.org/co2-and-greenhouse-gas-emissions | CC BY

Cumulative CO₂ emissions

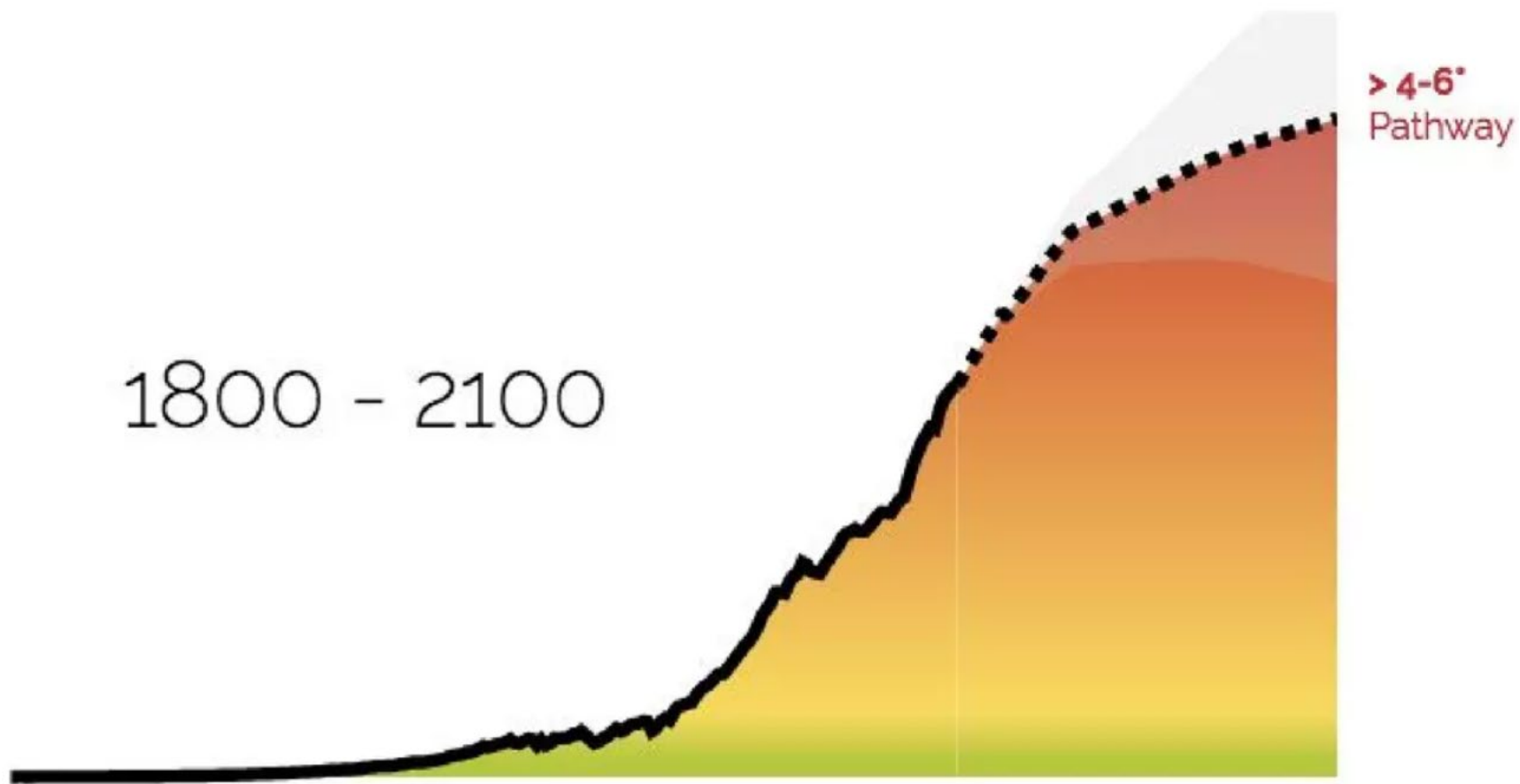
Running sum of CO₂ emissions produced from 1800 to 2100, measured in tonnes. Land-use change is not included.

1.6 trillion t
1.4 trillion t
1.2 trillion t
1 trillion t
800 billion t
600 billion t
400 billion t
200 billion t

1800 - 2100



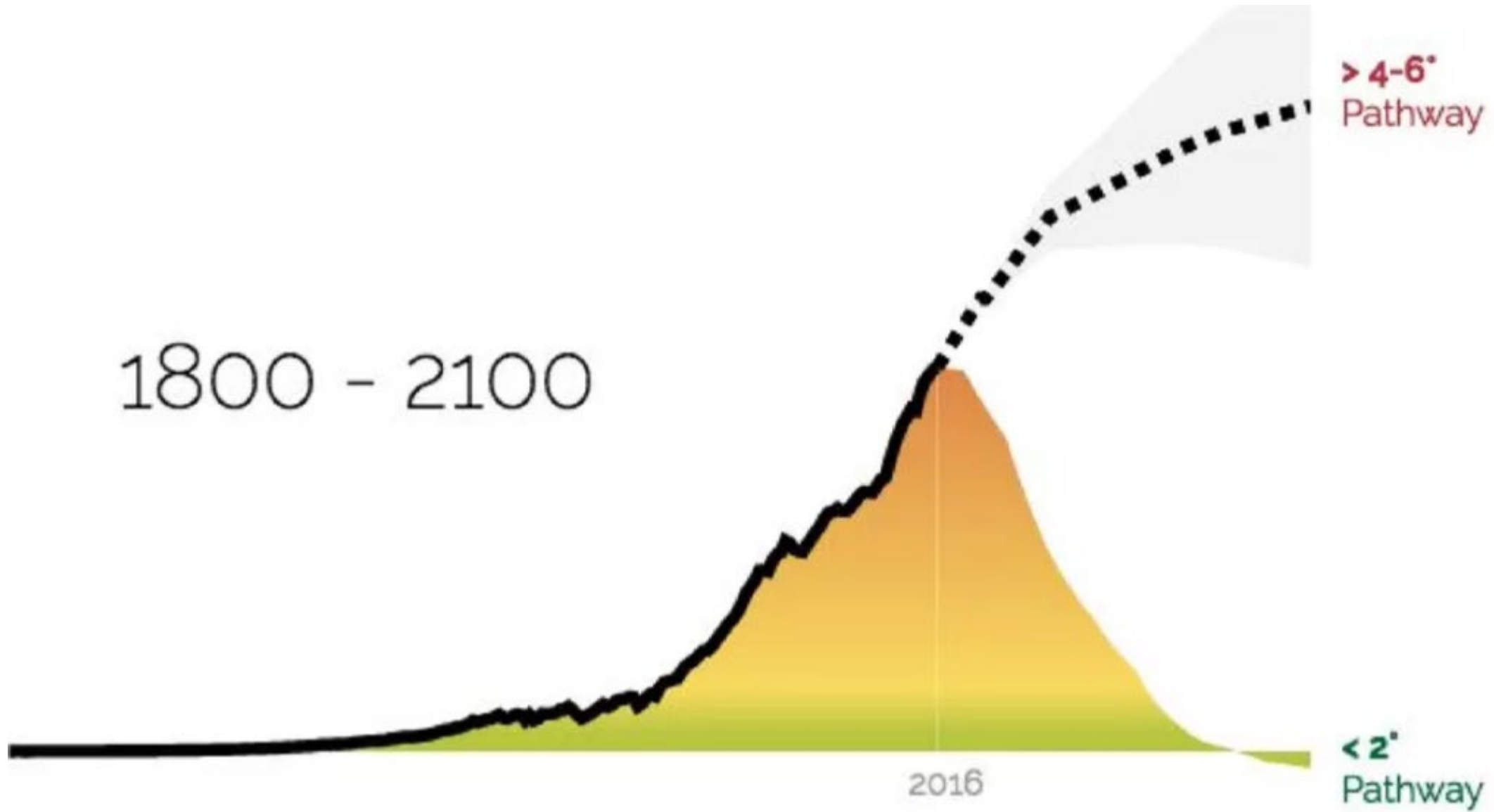
> 4-6°
Pathway



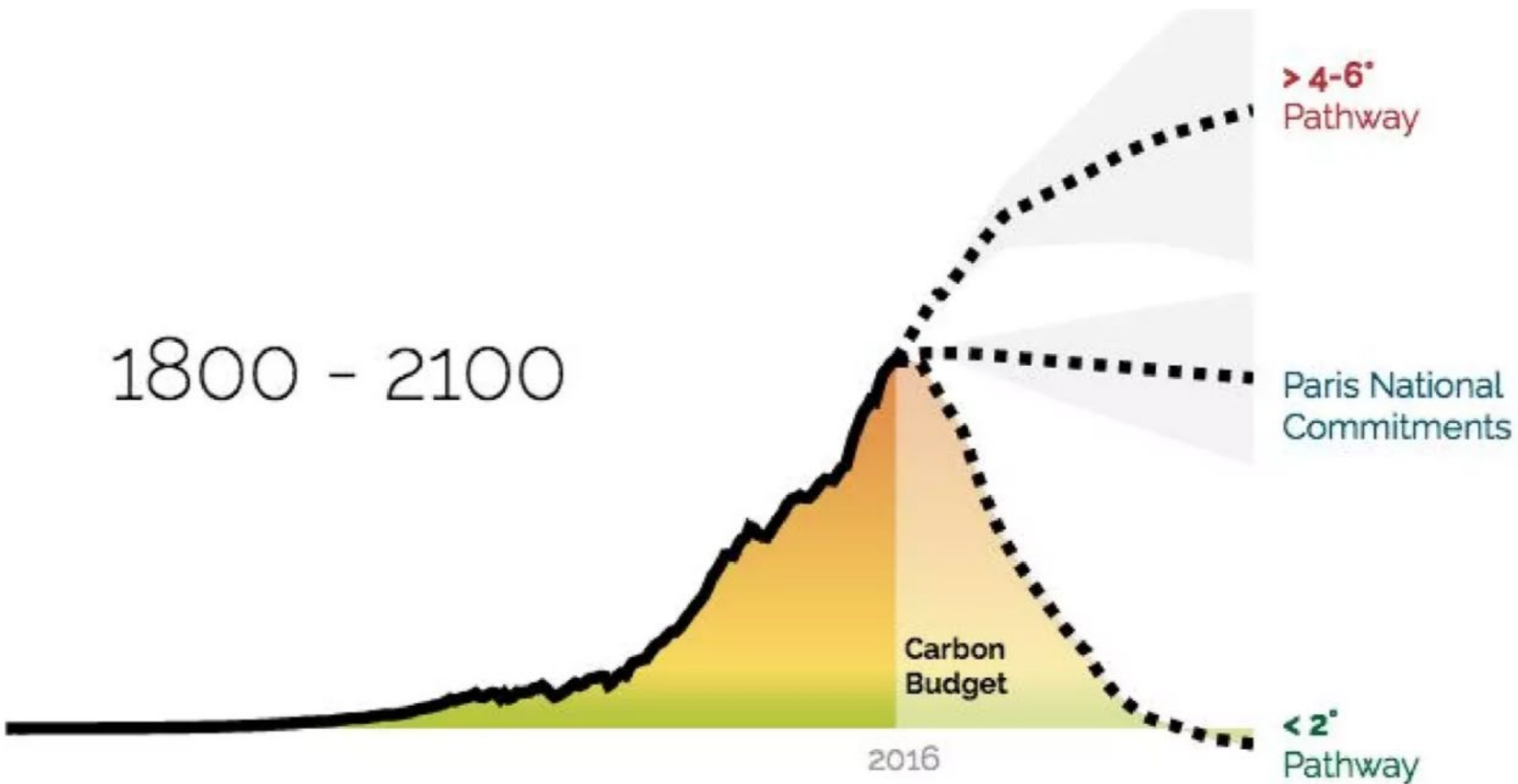
Parisaftalen



1800 - 2100



1800 - 2100



2016

Carbon Budget

> 4-6°
Pathway

Paris National
Commitments

< 2°
Pathway



SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

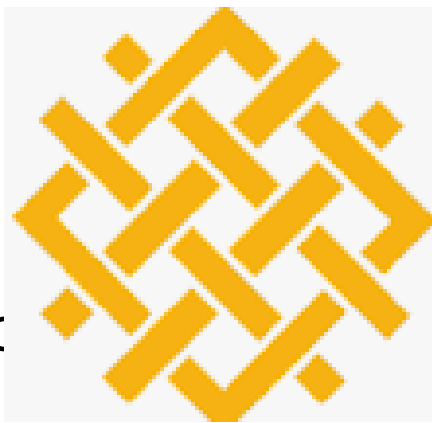
Hvem er SBTi

- World Resource Institute
 - Verdensnatur fonden WWF
 - CDP
 - United Nations Global Compact
-
- Målsætninger er Science-based når de bidrager i det omfang som den nyeste klimaforskning tilskriver er nødvendigt for at nå målene i Paris aftalen



Hvem er SBTi

- World Resource Institute
- Verdensnatur fonden WWF
- CDP
- United Nations Global Compact



WORLD
RESOURCES
INSTITUTE

- Målsætninger er Science-based når de bidrager i det omfang som den nyeste klimaforskning tilskriver er nødvendigt for at nå målene i Paris aftalen

Hvem er SBTi

- World Resource Institute
 - Verdensnatur fonden WWF
 - CDP
 - United Nations Global Compact
-
- Målsætninger er Science-based når de bidrager i det omfang som den nyeste klimaforskning tilskriver er nødvendigt for at nå målene i Paris aftalen



Hvem er SBTi

- World Resource Institute
 - Verdensnatur fonden WWF
 - CDP
 - United Nations Global Compact
-
- Målsætninger er Science-based når de bidrager i det omfang som den nyeste klimaforskning tilskriver er nødvendigt for at nå målene i Paris aftalen



Hvem er SBTi?

- World Resource Institute
- Verdensnatur fonden WWF
- CDP
- United Nations Global Compact



- Målsætninger er Science-based når de bidrager i det omfang som den nyeste klimaforskning tilskriver er nødvendigt for at nå målene i Paris aftalen



United Nations
Global Compact

Hvad er indholdet?

- Sætter totalt budget for tilladelig udledning for maks. 1,5 graders stigning
- Emissionsscenario, hvordan reduktion skal ske over tid
- Fordeling til den enkelte branche og virksomhed



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

SEGES
INNOVATION

Hvad kræver det?

- Indsend brev som forpligter virksomheden



Oct 2020

FORM

Standard Commitment Letter

Complete your online registration through the SBTi Standard Commitment application. After submitting your application using the online form, send the signed version of the SBTi Commitment Letter to commitments@sciencebasedtargets.org.

Upon passing the due diligence, your company will be recognized on our website and partners' websites.

English

1.2 MB

DOWNLOAD ↓

[SBTi Standard Commitment application](#)

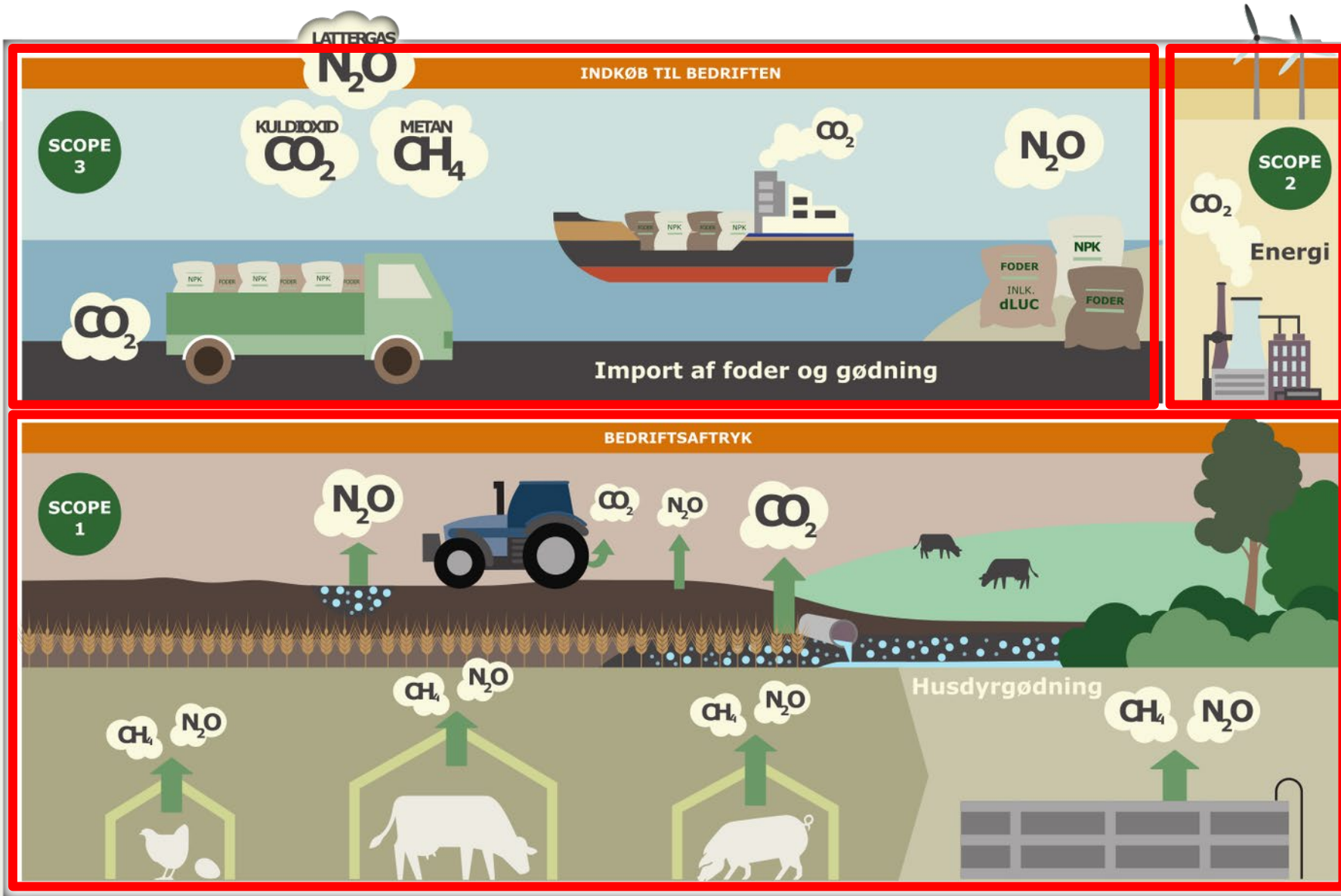
Apr 2022

GUIDANCE FORM

SME Target Setting System

SMEs use a streamlined process to set near-term or net-zero targets in line with climate science. Commit and select your targets by completing and submitting the SME Target Setting Form in the SME Target Setting System.

[Set a target](#)



Hvad kræver det?

- Indsend brev som forpligter virksomheden
- Virksomheden skal beregne udledning af drivhusgasser i scope 1, 2 og 3
- Fastsætte ambitiøse og realistiske målsætninger for at reducere klimaaftryk



Oct 2020

FORM

Standard Commitment Letter

Complete your online registration through the SBTi Standard Commitment application. After submitting your application using the online form, send the signed version of the SBTi Commitment Letter to commitments@sciencebasedtargets.org.

Upon passing the due diligence, your company will be recognized on our website and partners' websites.

English 1.2 MB [DOWNLOAD](#)

[SBTi Standard Commitment application](#)

Apr 2022

GUIDANCE FORM

SME Target Setting System

SMEs use a streamlined process to set near-term or net-zero targets in line with climate science. Commit and select your targets by completing and submitting the SME Target Setting Form in the SME Target Setting System.

[Set a target](#)

Hvad kræver det?

- Indsend brev som forpligter virksomheden
- Virksomheden skal beregne udledning af drivhusgasser i scope 1, 2 og 3
- Fastsætte ambitiøse og realistiske målsætninger for at reducere klimaaftryk
- Vedtage og implementere processer for at nå reduktionskravene



Oct 2020

FORM

Standard Commitment Letter

Complete your online registration through the SBTi Standard Commitment application. After submitting your application using the online form, send the signed version of the SBTi Commitment Letter to commitments@sciencebasedtargets.org.

Upon passing the due diligence, your company will be recognized on our website and partners' websites.

English 1.2 MB [DOWNLOAD](#)

[SBTi Standard Commitment application](#)

Apr 2022

GUIDANCE FORM

SME Target Setting System

SMEs use a streamlined process to set near-term or net-zero targets in line with climate science. Commit and select your targets by completing and submitting the SME Target Setting Form in the SME Target Setting System.

[Set a target](#)

Hvad kræver det?

- Indsend brev som forpligter virksomheden
- Virksomheden skal beregne udledning af drivhusgasser i scope 1, 2 og 3
- Fastsætte ambitiøse og realistiske målsætninger for at reducere klimaaftryk
- Vedtage og implementere processer for at nå reduktionskravene
- Årlig rapportering på udvikling



Oct 2020

FORM

Standard Commitment Letter

Complete your online registration through the SBTi Standard Commitment application. After submitting your application using the online form, send the signed version of the SBTi Commitment Letter to commitments@sciencebasedtargets.org.

Upon passing the due diligence, your company will be recognized on our website and partners' websites.

English 1.2 MB [DOWNLOAD](#)

[SBTi Standard Commitment application](#)

Apr 2022

GUIDANCE FORM

SME Target Setting System

SMEs use a streamlined process to set near-term or net-zero targets in line with climate science. Commit and select your targets by completing and submitting the SME Target Setting Form in the SME Target Setting System.

[Set a target](#)

Hvad kræver det?

- Indsend brev som forpligter virksomheden
- Virksomheden skal beregne udledning af drivhusgasser i scope 1, 2 og 3
- Fastsætte ambitiøse og realistiske målsætninger for at reducere klimaaftryk
- Vedtage og implementere processer for at nå reduktionskravene
- Årlig rapportering på udvikling
- Over 4000 af de over 7000 tilmeldte har mål på plads



Oct 2020

FORM

Standard Commitment Letter

Complete your online registration through the SBTi Standard Commitment application. After submitting your application using the online form, send the signed version of the SBTi Commitment Letter to commitments@sciencebasedtargets.org.

Upon passing the due diligence, your company will be recognized on our website and partners' websites.

English 1.2 MB [DOWNLOAD](#)

[SBTi Standard Commitment application](#)

Apr 2022

GUIDANCE FORM

SME Target Setting System

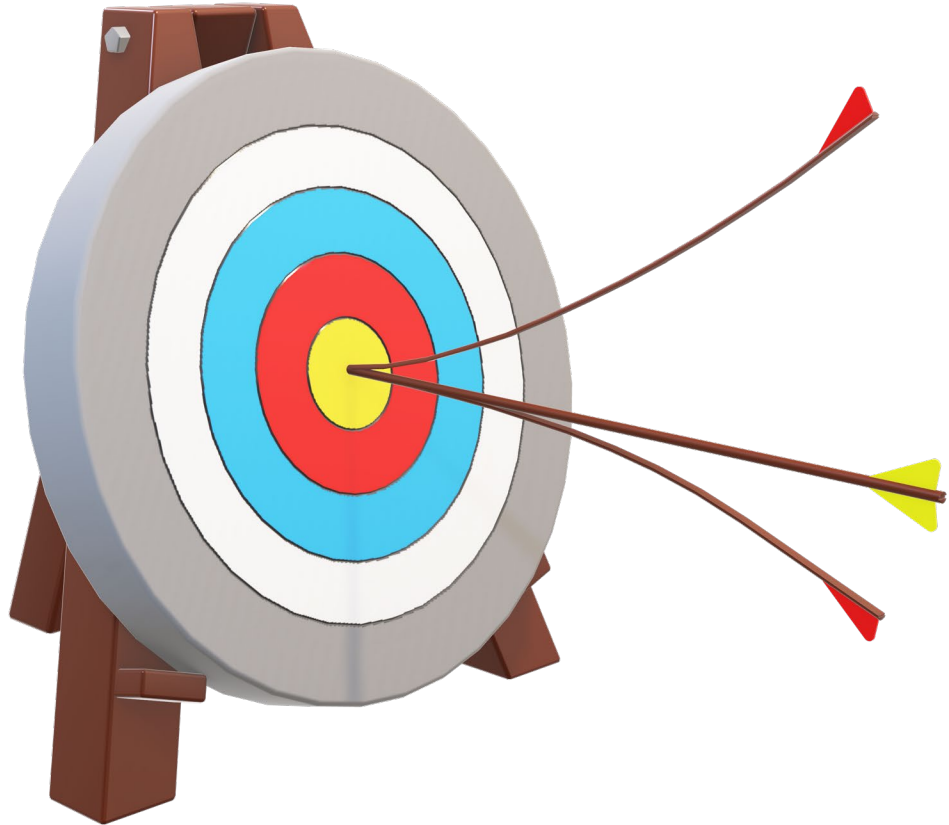
SMEs use a streamlined process to set near-term or net-zero targets in line with climate science. Commit and select your targets by completing and submitting the SME Target Setting Form in the SME Target Setting System.

[Set a target](#)

Krav til målene

Snarlige mål

5-15 år frem



Krav til målene

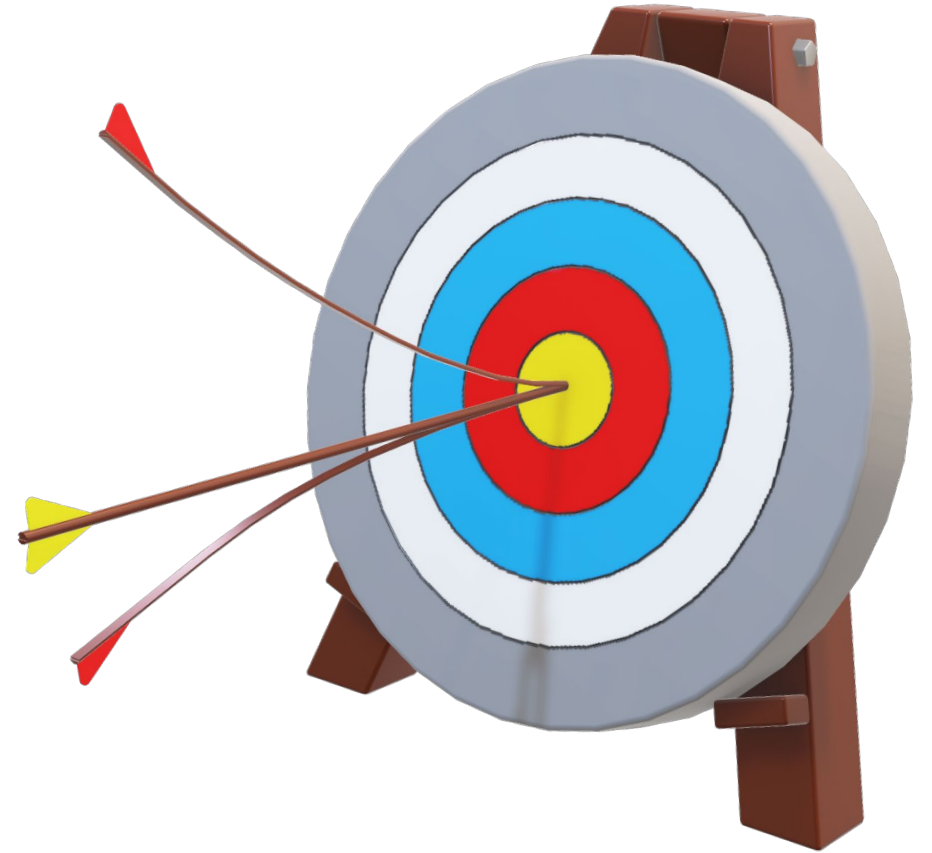


Net-Zero Target (langsigtet mål) "Race to zero"

Hvordan håndteres de resterende emissioner. Kreditter, off sets...etc

Mod 2050

Krav til målene



Efter forpligtelsesbrev har man 24 måneder til at indsende målsætningerne

Skov, jord og landbrug

- Ca. 22% af verdens udledninger kommer fra disse

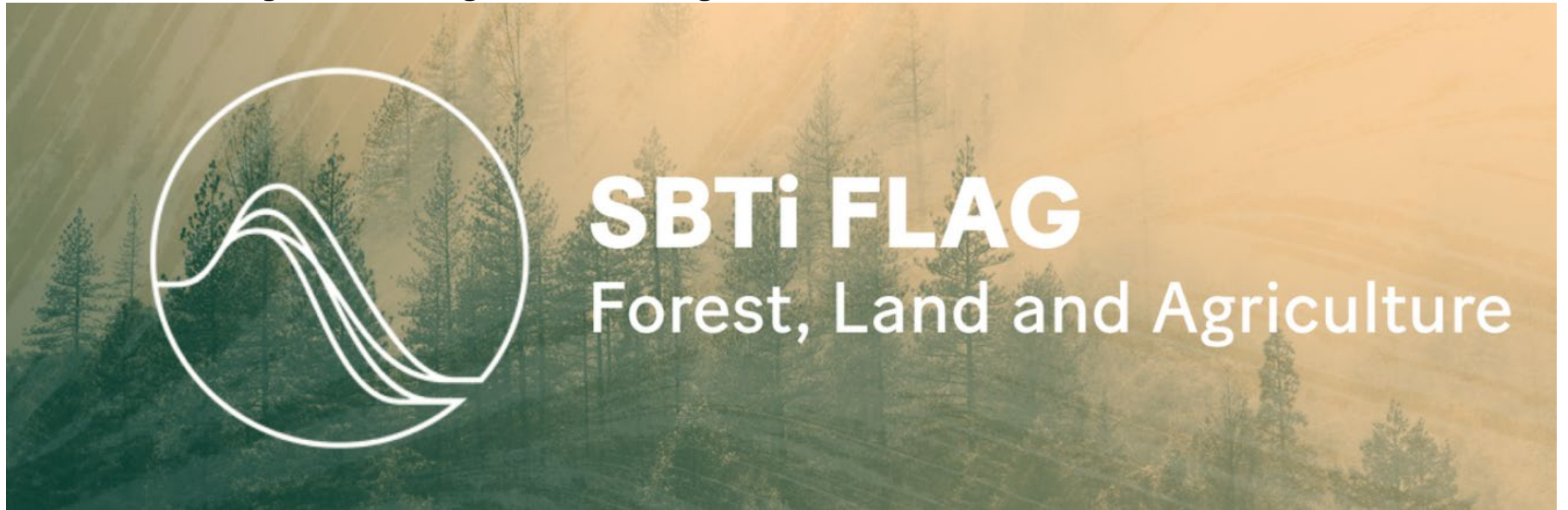


SBTi FLAG

Forest, Land and Agriculture

Skov, jord og landbrug

- Ca. 22% af verdens udledninger kommer fra disse
- De er særligt vanskelige at måle og reducere



Skov, jord og landbrug

- Ca. 22% af verdens udledninger kommer fra disse
- De er særligt vanskelige at måle og reducere
- De har deres egen guideline



Skov, jord og landbrug

- Ca. 22% af verdens udledninger kommer fra disse
- De er særligt vanskelige at måle og reducere
- De har deres egen guideline
- Reduktionsmål for næste 5-10 år



Skov, jord og landbrug

- Ca. 22% af verdens udledninger kommer fra disse
- De er særligt vanskelige at måle og reducere
- De har deres egen guideline
- Reduktionsmål for næste 5-10 år
- Net-zero i 2050 og med reduktion på mindst 72%

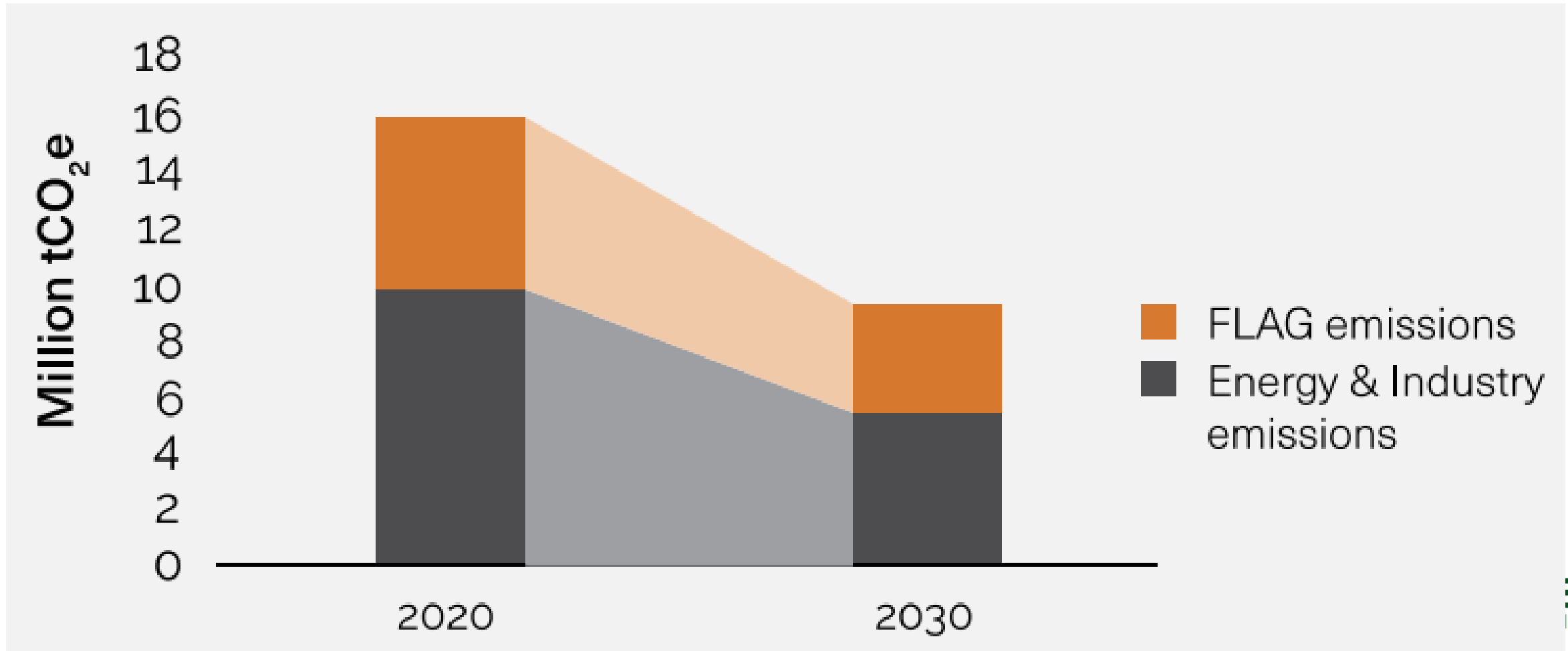


FLAG – kort fortalt



FLAG – kort fortalt

- Mindre reduktion i 2030 30%, 40% i andre sektorer



Kilde: SBTi FLAG Guidance.pdf

FLAG – kort fortalt

- Mindre reduktion i 2030 30%, 40% i andre sektorer
- Ingen afskovning tilladt



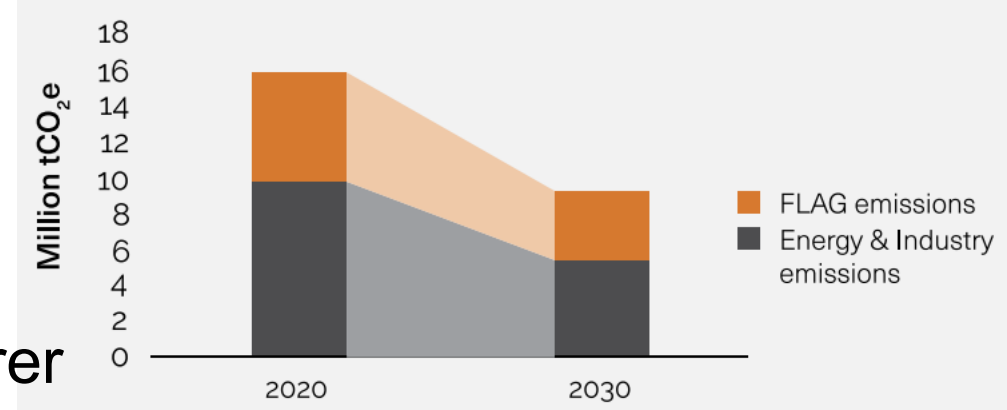
FLAG – kort fortalt

- Mindre reduktion i 2030 30%, 40% i andre sektorer
- Ingen afskovning tilladt
- Holde FLAG og ikke-FLAG (fx energi) hver for sig

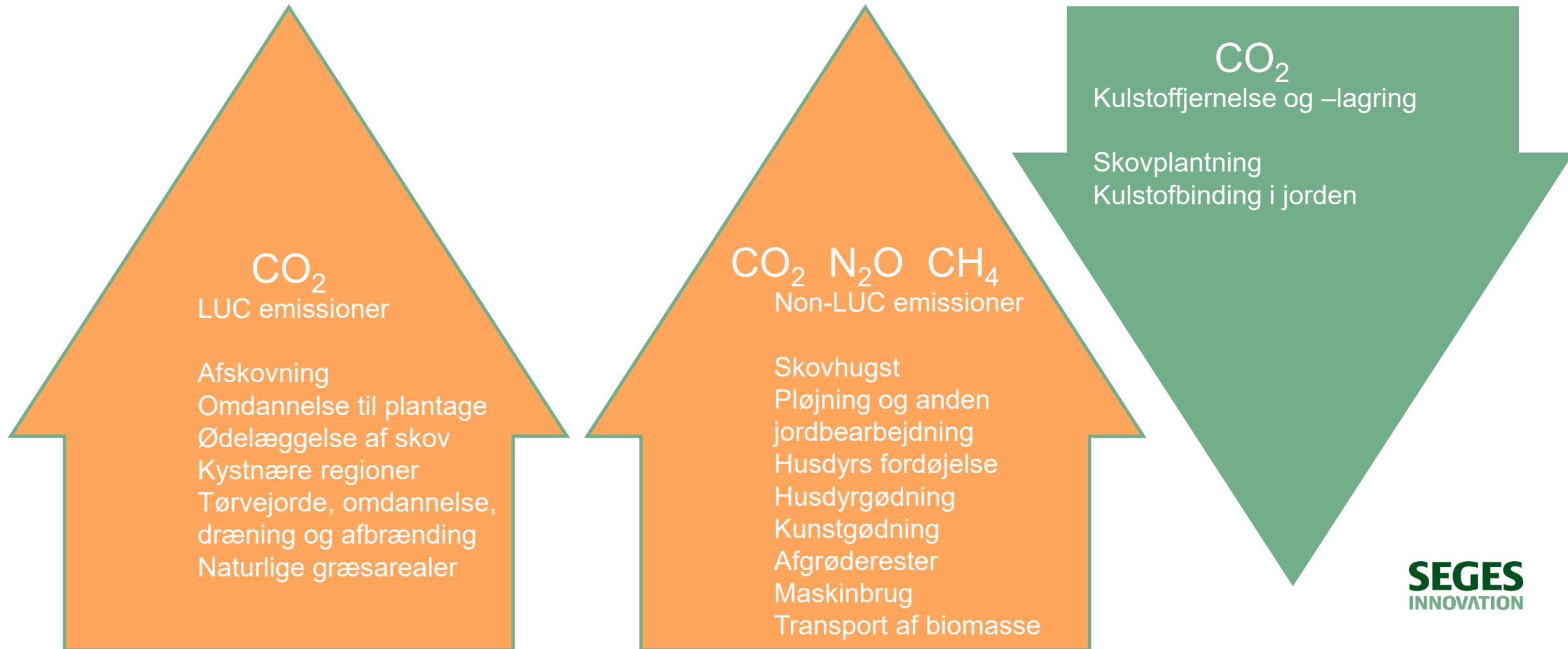


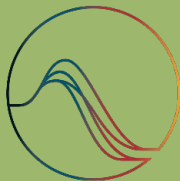
FLAG – kort fortalt

- Mindre reduktion i 2030 30%, 40% i andre sektorer
- Ingen afskovning tilladt
- Holde FLAG og ikke-FLAG (fx energi) hver for sig
- FLAG ambition skal følge non-FLAG for firmaet



Lidt detaljer om FLAG





SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

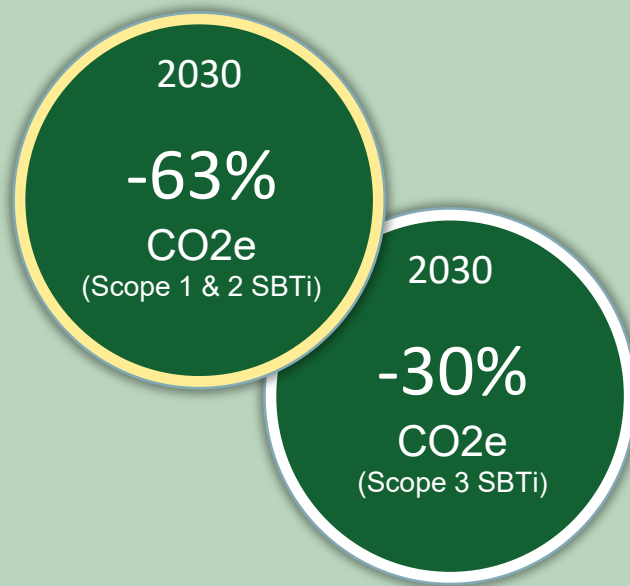
ARLA AND SCIENCE BASED TARGETS

Kvægkongres 2024

26 Feb 2024

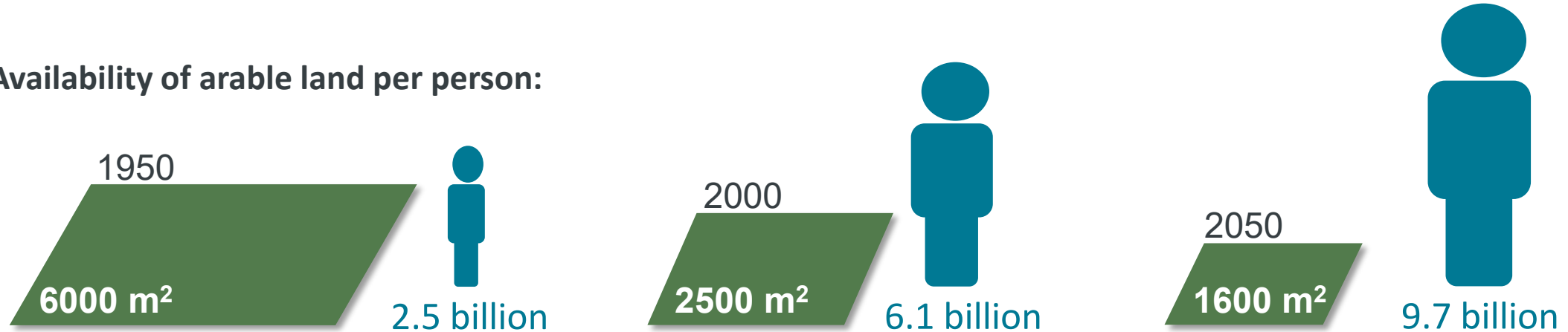
Jan D. Johannesen

Senior Sustainability Advisor



THE GLOBAL (DAIRY) DILEMMA

Availability of arable land per person:

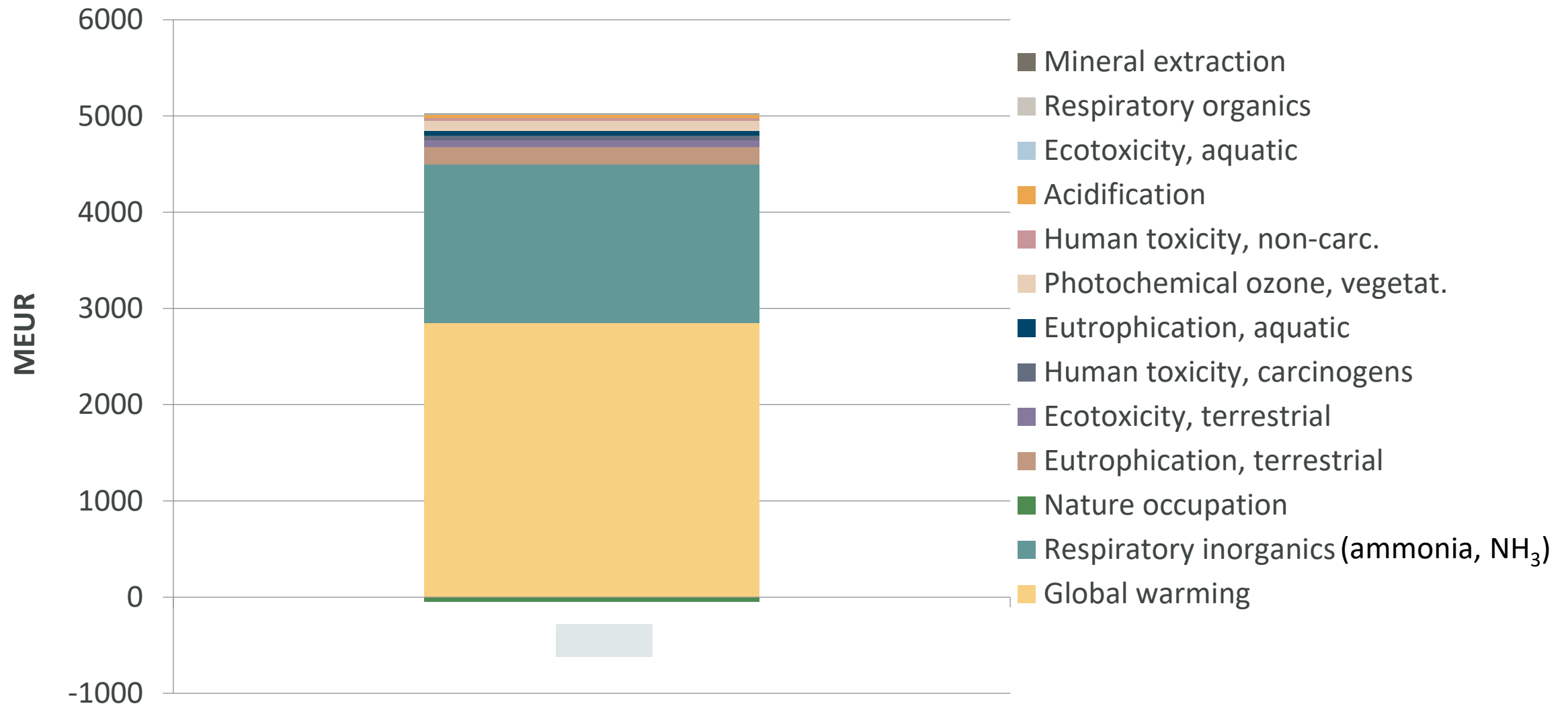


- The demand for **dairy products** is expected to increase **+50%** (2015-2050).
- Keep **global temperature** increase **below 1.5-2°C**.

Competition on land: **FOOD – FEED – FUEL – FIBRE – FOREST**

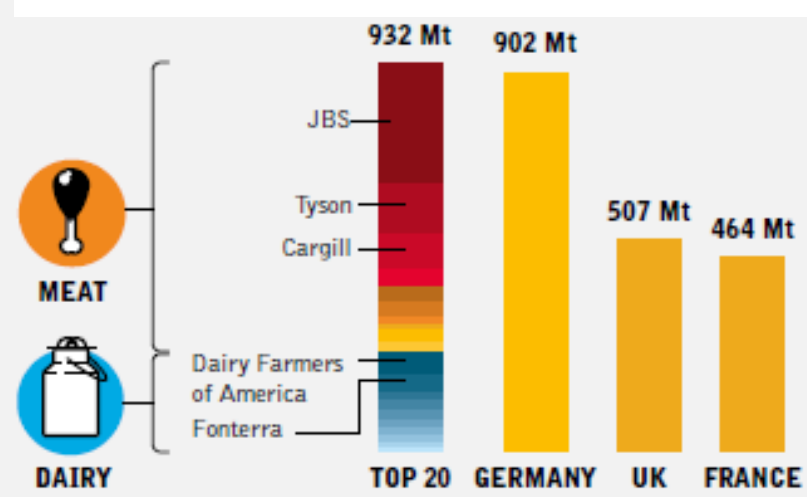
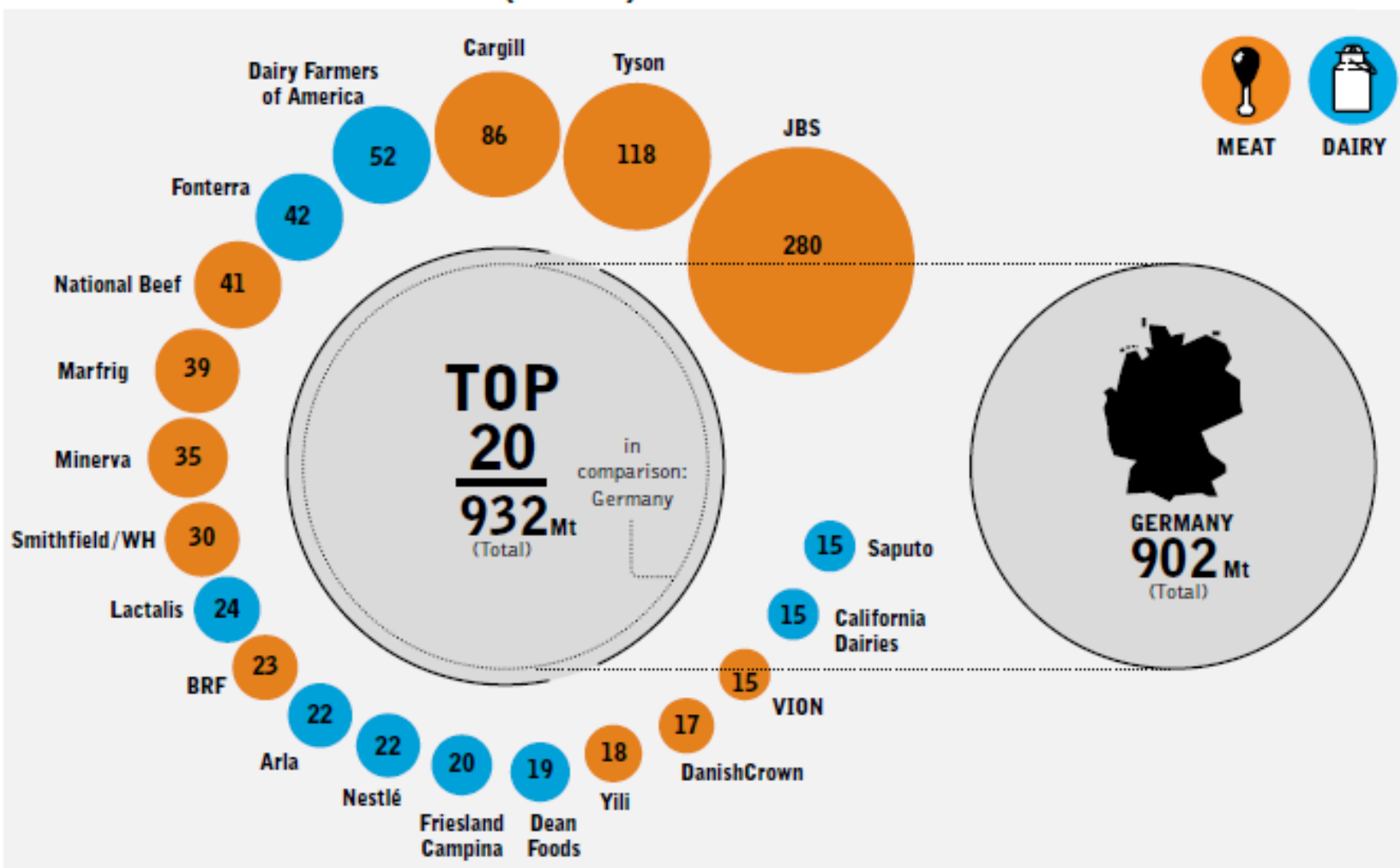
Total cost of the environmental externalities of Arla's total production

Global warming and ammonia emissions stands for more than three quarters of the environmental impact (Stepwis



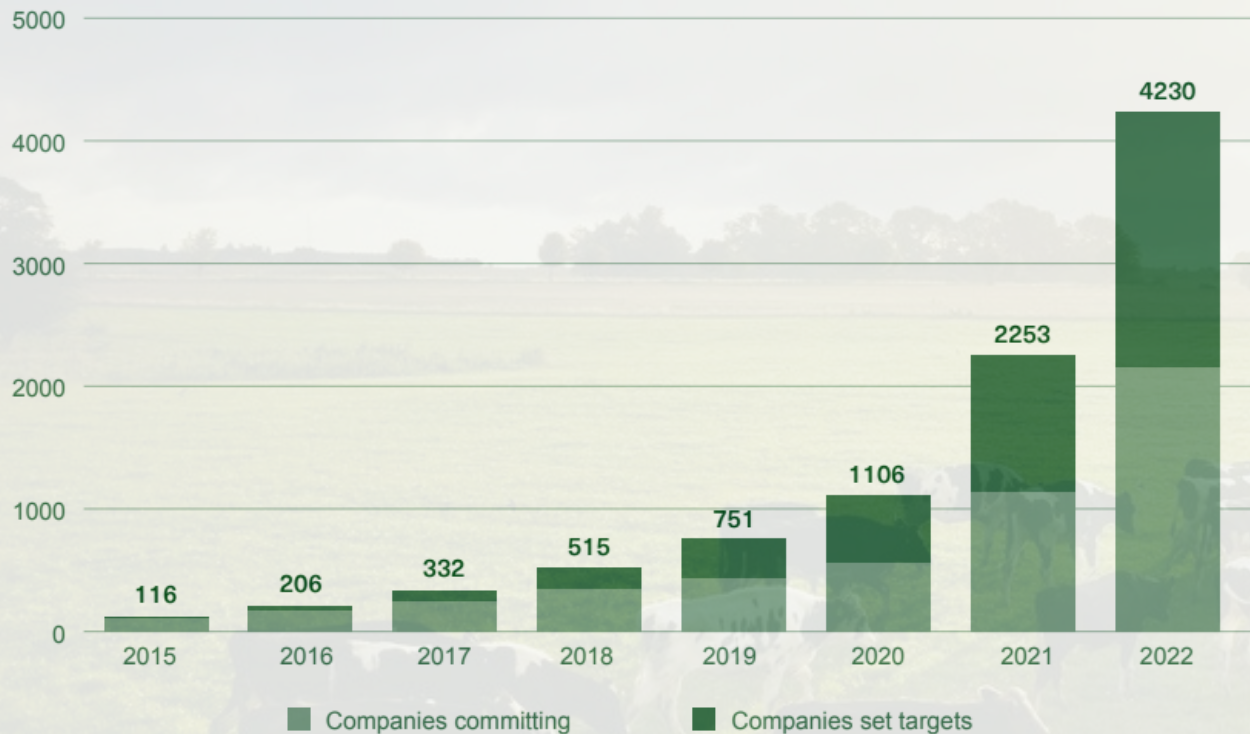
BIG MEAT AND DAIRY'S SUPERSIZED CLIMATE FOOTPRINT

THE TOP 20 MEAT AND DAIRY CORPORATIONS EMIT MORE GREENHOUSE GASES (GHGs) THAN GERMANY



SBTI AT A GLANCE

Annual cumulative number of companies with approved targets and commitments, 2015–2022^{10 11}



- Voluntary for companies to sign up
- No annual costs to be ‘member’ of SBTi (*a one-time fee is paid for the target validation process*)
- Not static! – standards and methods are evolving alongside climate science and policies
- Sector-specific guidance is being developed to cater for differences between business areas
- Companies from all sectors and of all company sizes can join
- There is a special (and lighter) process for small companies

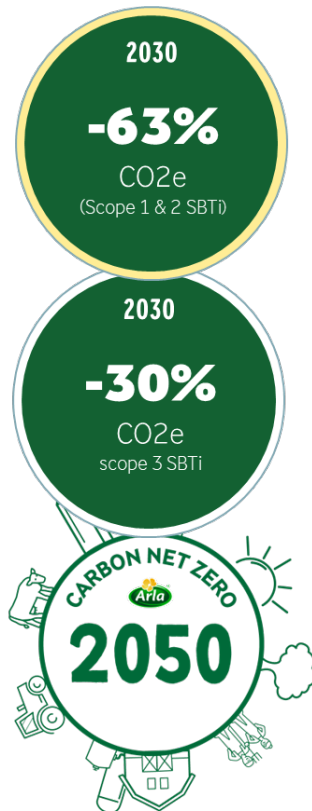
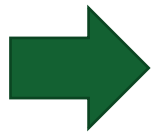
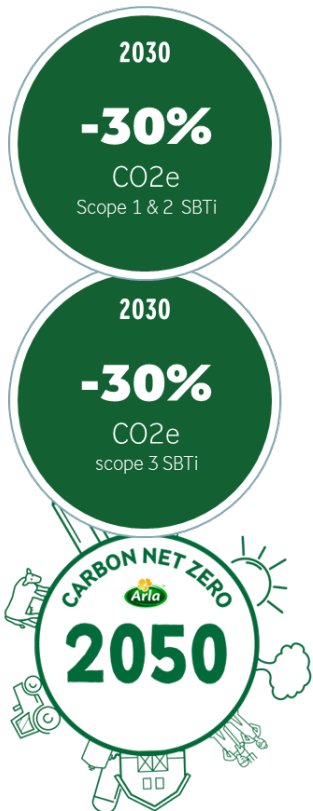
SCIENCE BASED TARGETS IN ARLA FOODS

FLAG Emission coverage

2019:

2021:

20xx:



New FLAG guidance (published 2022):
Guidance specifically for companies within the Forest, Land and Agriculture sector to set science-based targets

Companies in the following sectors are required to set a FLAG target:

- Forest & Paper Products
- Food Production – Agricultural Production
- Food Production – Animal Source
- Food & Beverage Processing
- Food & Staples Retailing
- Tobacco

Emission categories covered:

- Land Use Change
- Land Management
- Carbon Removals and Storage



WHERE DO OUR EMISSIONS COME FROM

96% 
SCOPE 3

- Farm emissions (81%)
- Whey (10%)
- Packaging (2%)
- Transport (service),
Waste and other (3%)



1% 
SCOPE 2

Purchased energy

3% 
SCOPE 1

- Transport
(own fleet)
- Production



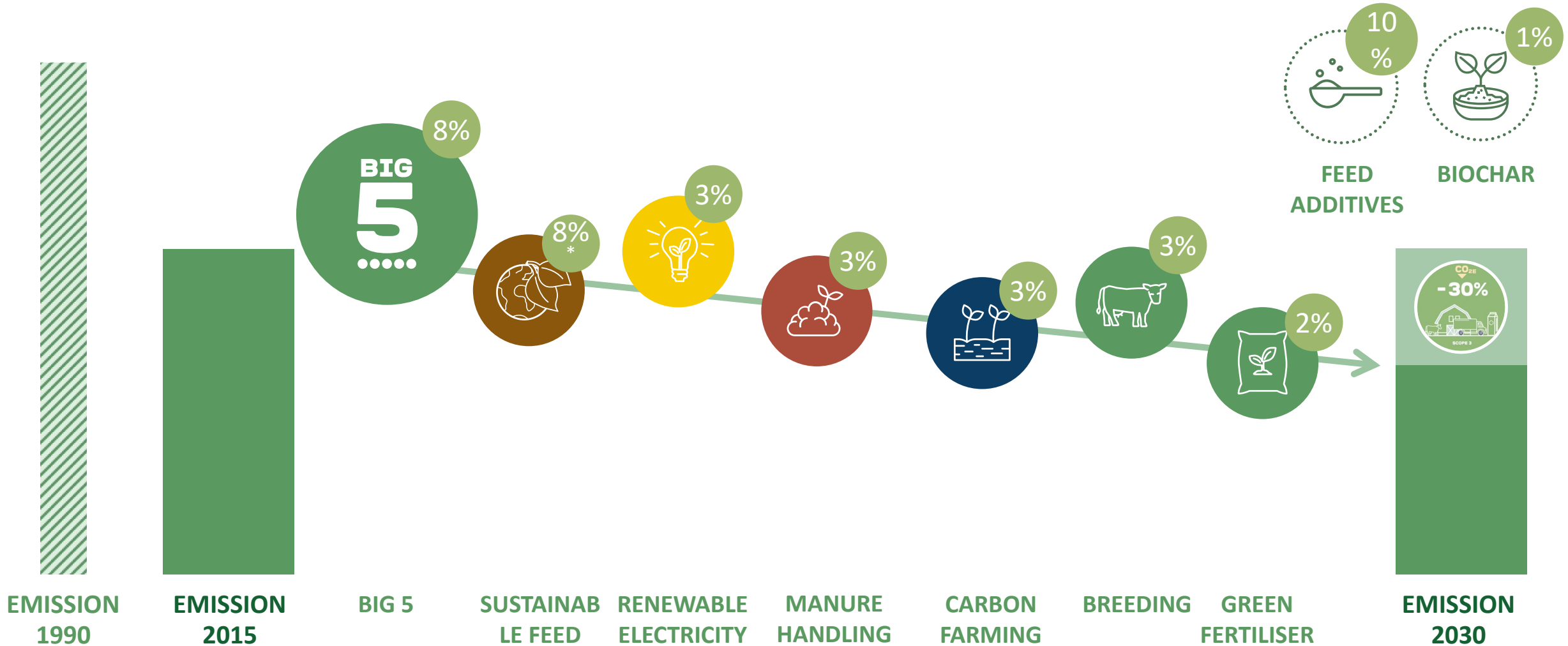


We have Implemented a point-based
Sustainability incentive model
To reward past and future actions

THE SUSTAINABILITY INCENTIVE MODEL BUILDS ON CLIMATE CHECK DATA TO REWARD PAST AND FUTURE ACTIONS



THE MODEL IS BASED ON SCIENCE AND FOCUSES ON THE MAIN LEVERS WE HAVE IDENTIFIED TOWARDS 2030



*Requires direct Land Use Change (DLUC) and carbon sequestration to be included in the Science Based Target and the 2015 baseline to be updated accordingly



EACH POINT LEADS TO 0.03 EUROCENT KG/MILK ON THE MILK PRICE – MORE LEVERS WILL BE ADDED

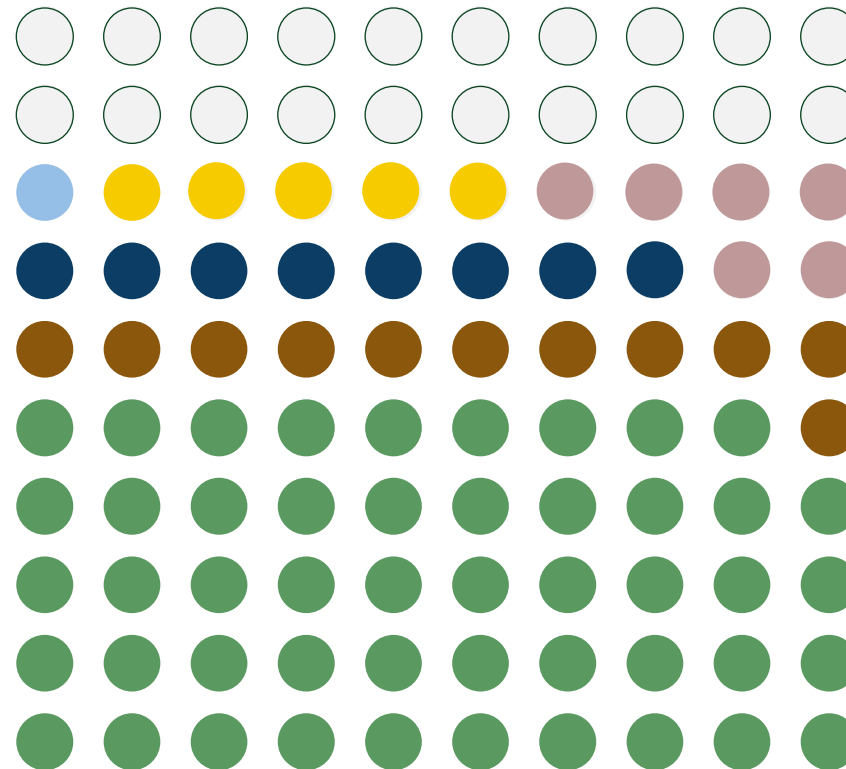


TOTAL POINTS IN THE FUTURE:

**100 POINTS =
3 EUROCENT**

POINTS AVAILABLE FROM 2023:

**80 POINTS =
2.40 EUROCENT**



 FUTURE LEVERS

 KNOWLEDGE BUILDING

 RENEWABLE ELECTRICITY

 MANURE HANDLING

 BIODIVERSITY & CARBON

 FARMING SUSTAINABLE FEED

 BIG 5

WE CAN TURN THIS INTO AN OPPORTUNITY FOR ARLA

Continue to BUILD VALUE INTO THE MILK POOL



Arlagården



Climate Check



Sustainability Incentive



arla brand



1.5° C
2030



BIG 5



Renewable electricity



POO Power & Biogas

Special Milk Concepts



24
TIMER FRA GÅRD TIL BUTIK



ARLA UK
360



bio
"GUTES BRAUCHT ZEIT"



ÄNNU BÄTTRE DJURMSÖRG



REGENERATIVE

Customer partnerships

- ✓ Partnerships and value-added concepts for private label
- ✓ Ensure that costs on farm can be covered



DAIRY FARMERS HAVE MANY POSITIVE HANDPRINTS



Cows are
UP-cyclers



cows eating grass
benefit the ecosystem



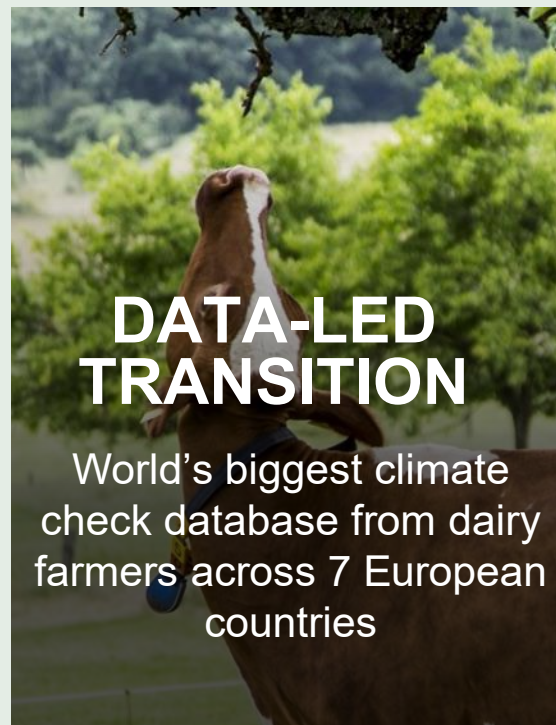
renewable Energy
producers

ARLA'S STRONG SUSTAINABILITY POSITION IS RECOGNISED BY OUR CUSTOMERS



**1.15KG
CO₂E**

Amongst the most dairy climate-efficient farmers in the world with a CO₂e/kg milk well below global average



**DATA-LED
TRANSITION**


World's biggest climate check database from dairy farmers across 7 European countries



**COMMITTED TO
1.5°C**

Ambitious targets and 1.5 °C commitment approved

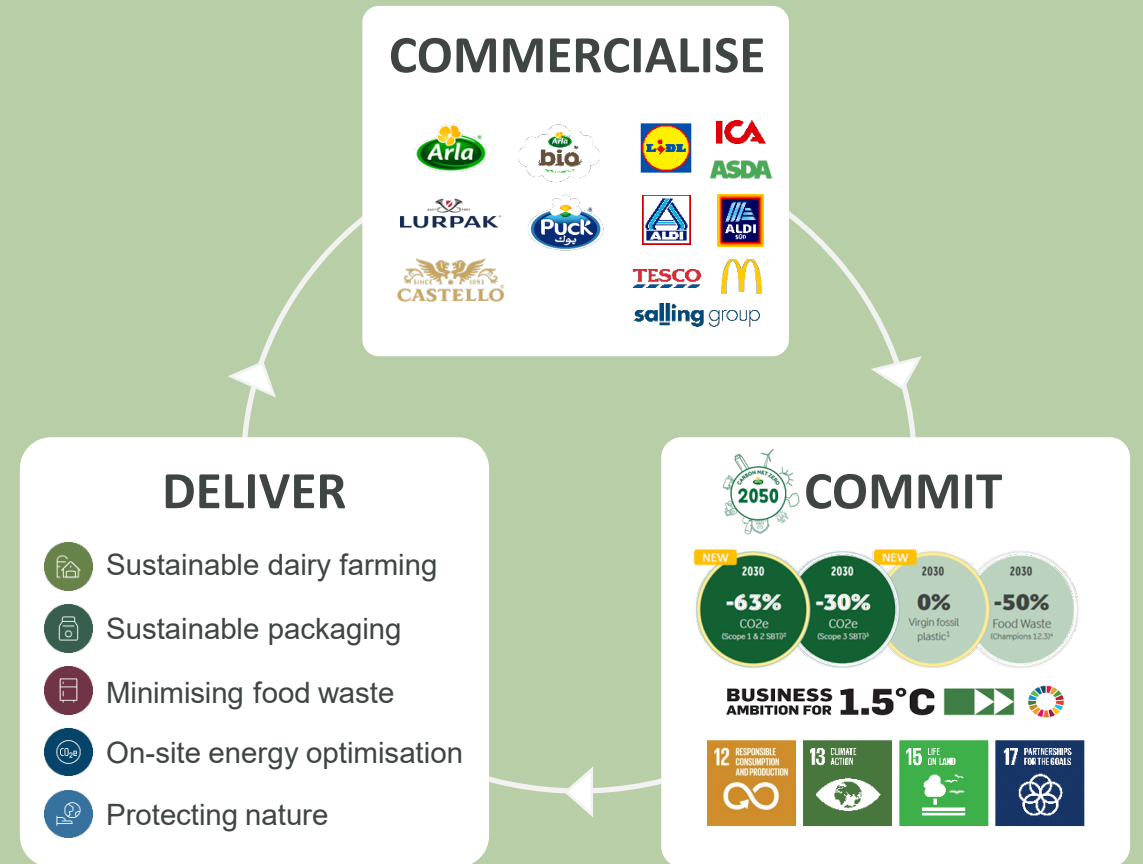
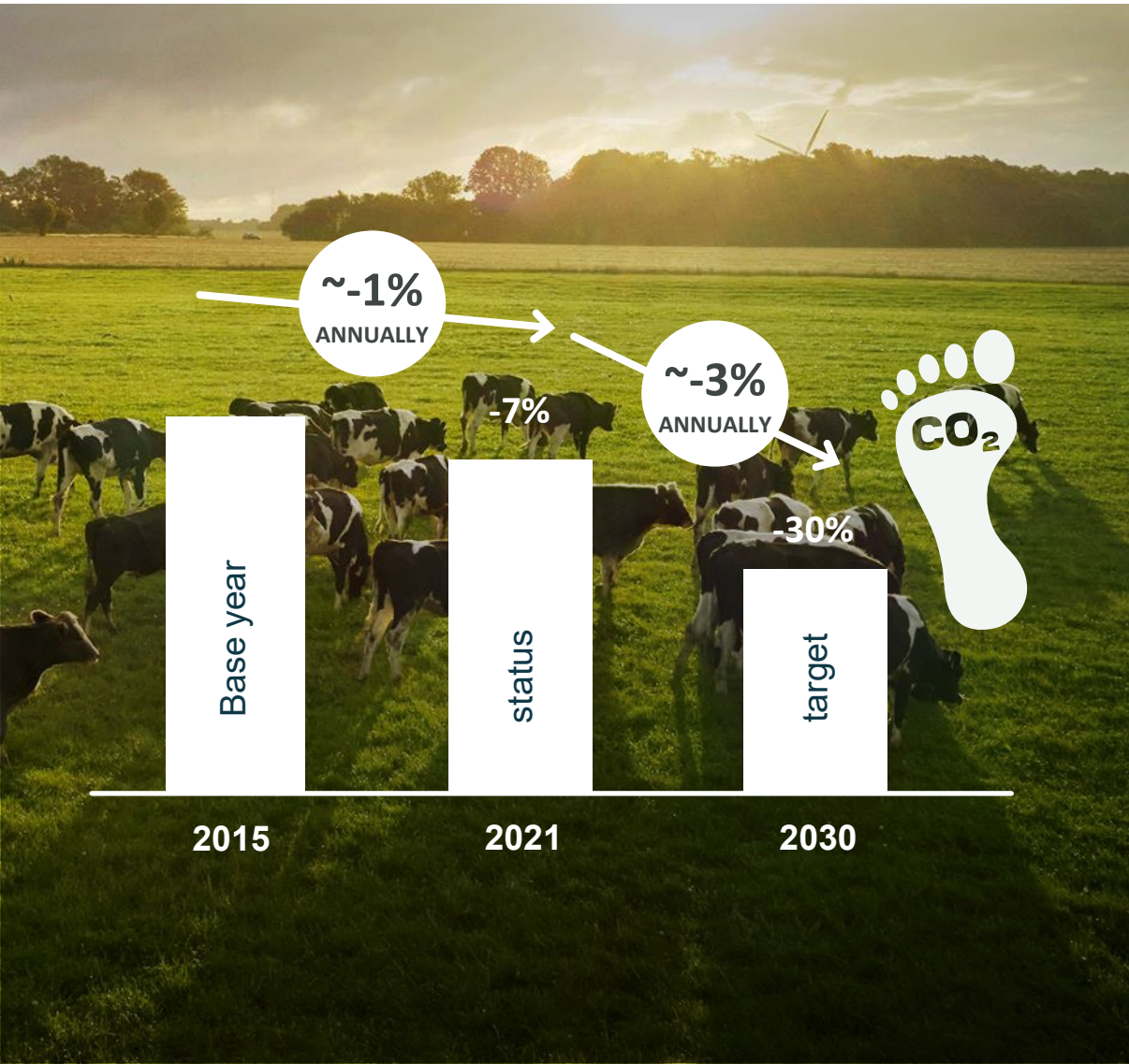
by  SCIENCE
BASED
TARGETS



**SUSTAINABLE
DAIRY BRAND**

Arla brand perceived by consumers as the most sustainable dairy brand in DK & SE
A close #2 in the UK

WE NEED TO ACCELERATE OUR ACTIONS TO REMAIN A LEADING SUPPLIER AND MAINTAIN OUR 'LICENCE TO OPERATE' WITH CUSTOMERS





Thank you!

To make sure coming generations can meet their needs in the future...