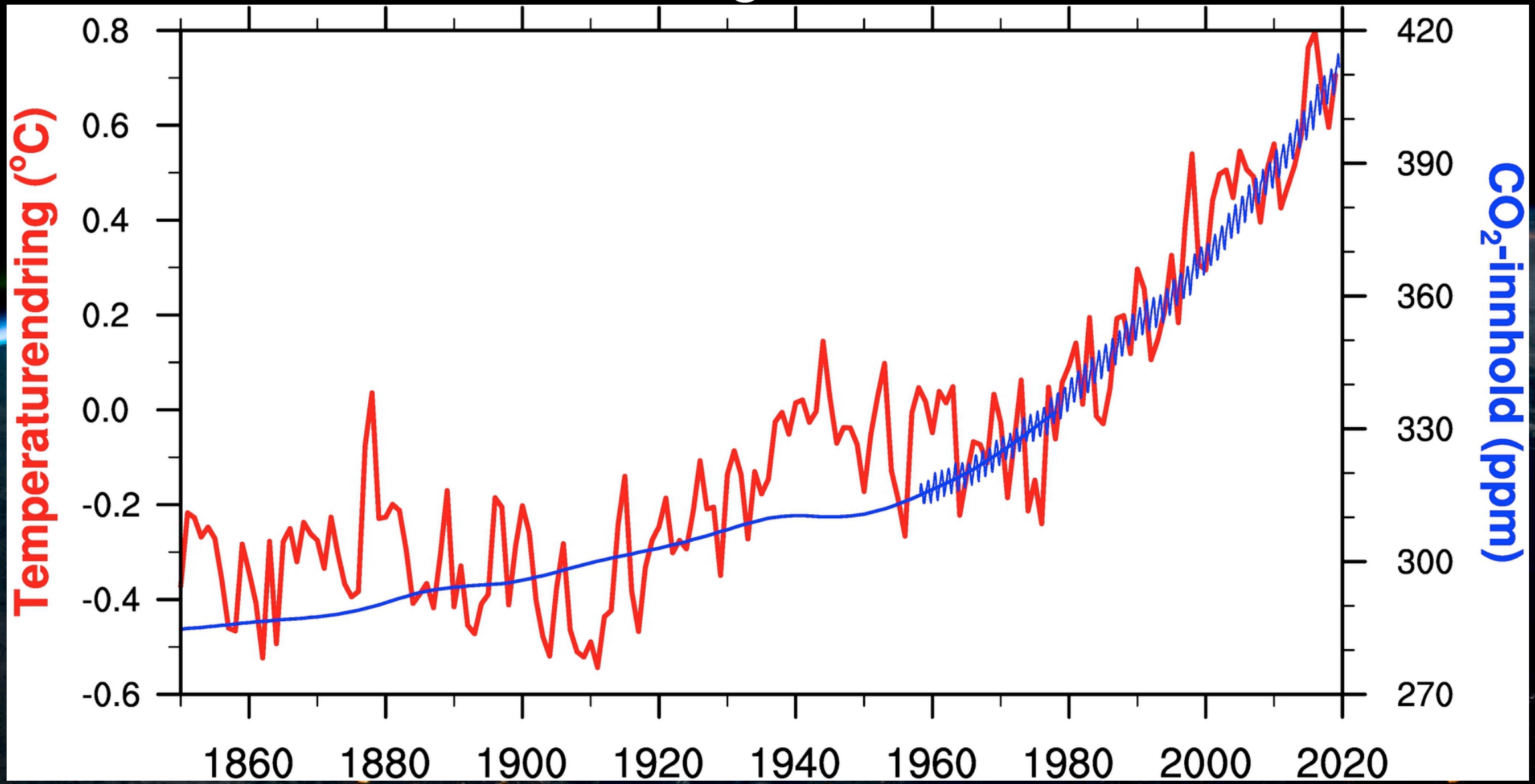
Vi har stadig mindre tid

1300 tonn CO_2 vert sleppt ut i lufta – kvart sekund

(Ca 40 mrd. tonn i 2018)

Credit: NASA, 3. April 2015

Vi har stadig mindre tid



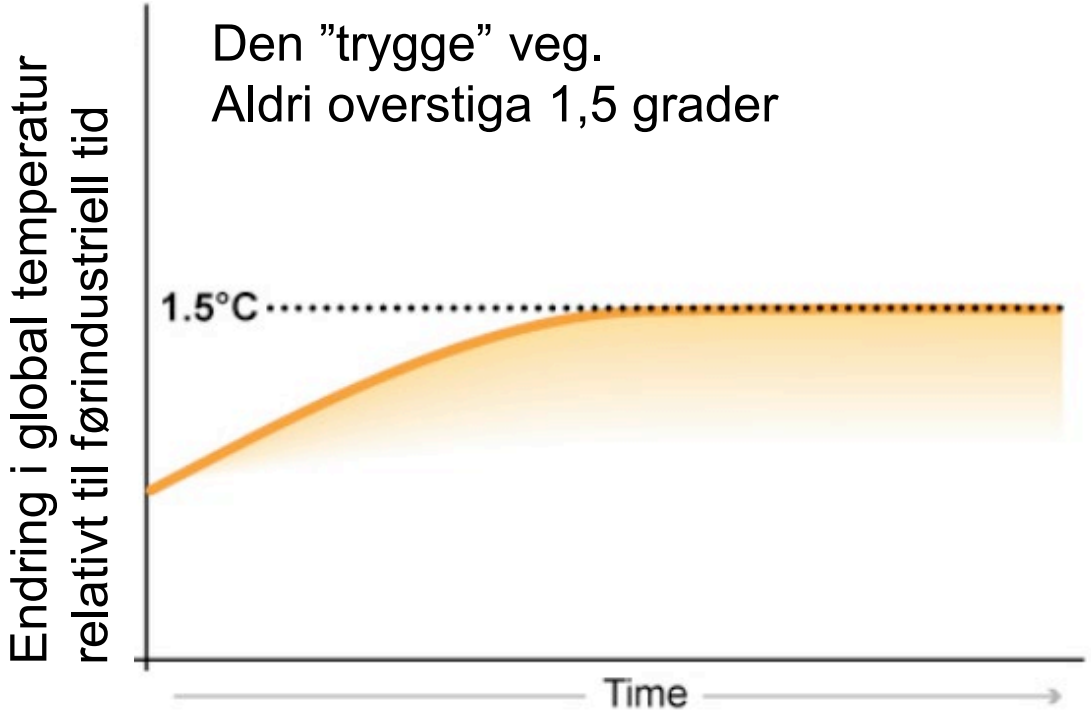
Credit: NASA, 3. April 2015
Helge Drange, Bjerknessenteret / UiB

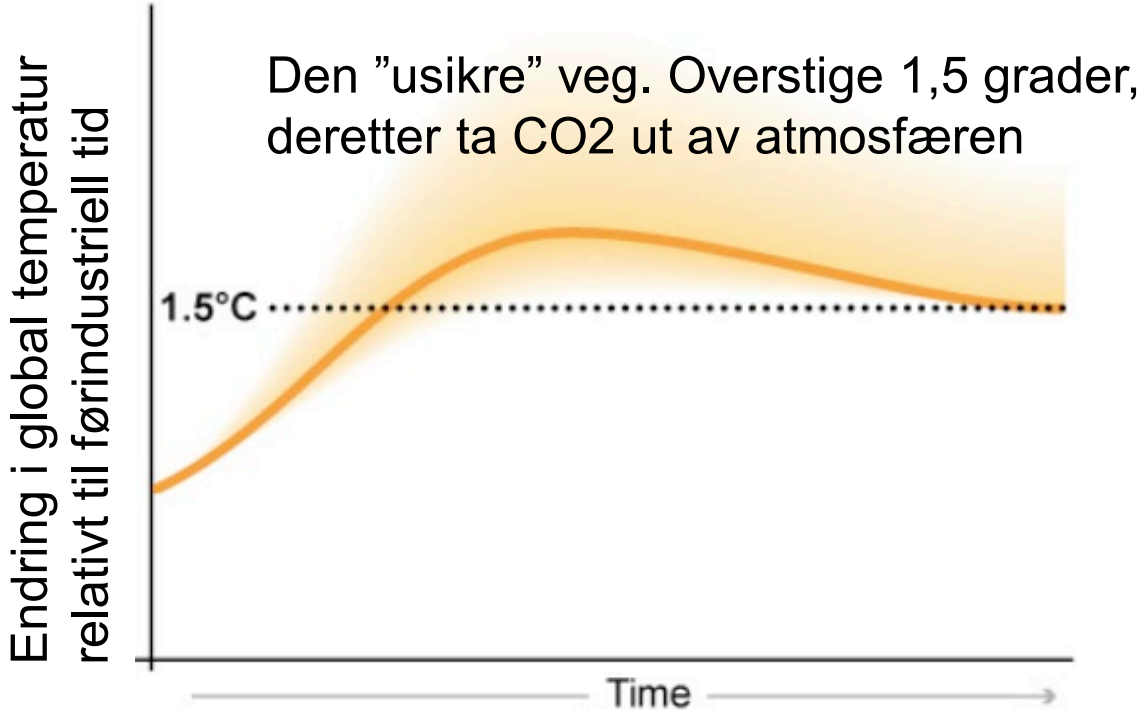
Vi har stadig mindre tid

Med dagens utslepp har me 10-12 år på oss.

Credit: NASA, 3. April 2015
IPCC 1,5 report SPM

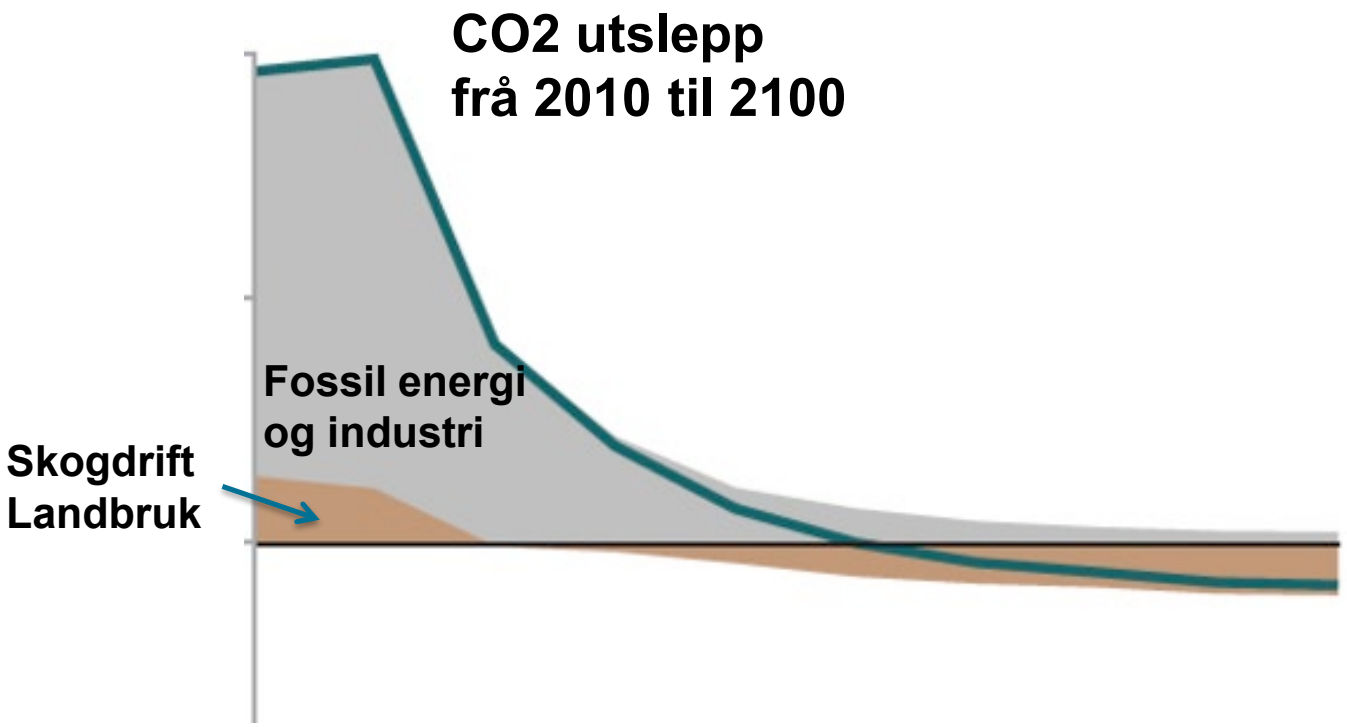
Korleis nå 1,5 gradersmålet?



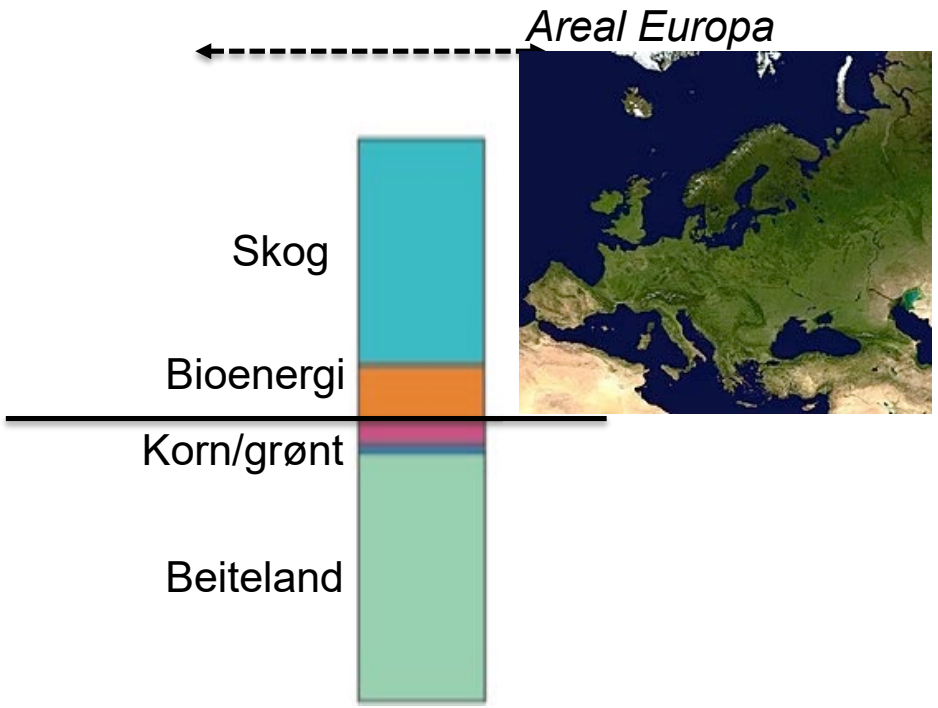


Korleis nå 1,5 gradersmålet den ”trygge” veg?

Scenarie med låg energietterspørsel

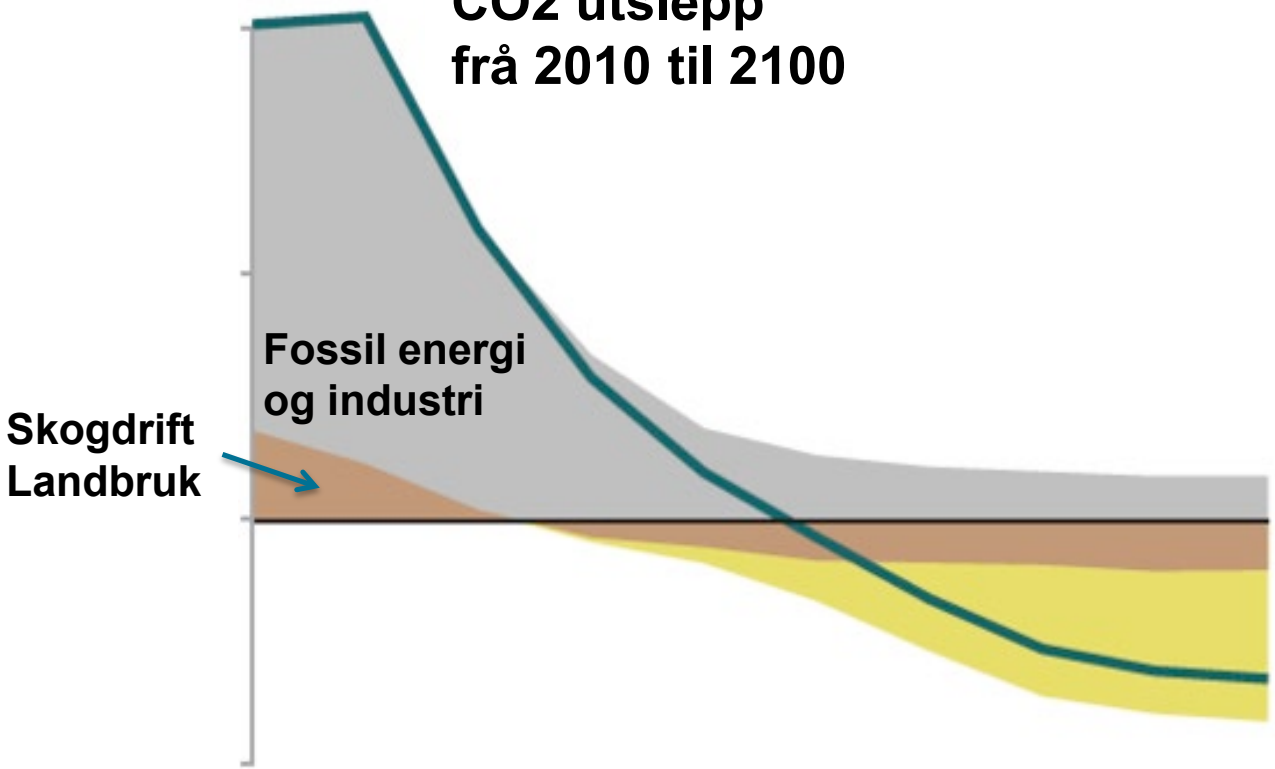


Endring i arealbruk fram til 2100

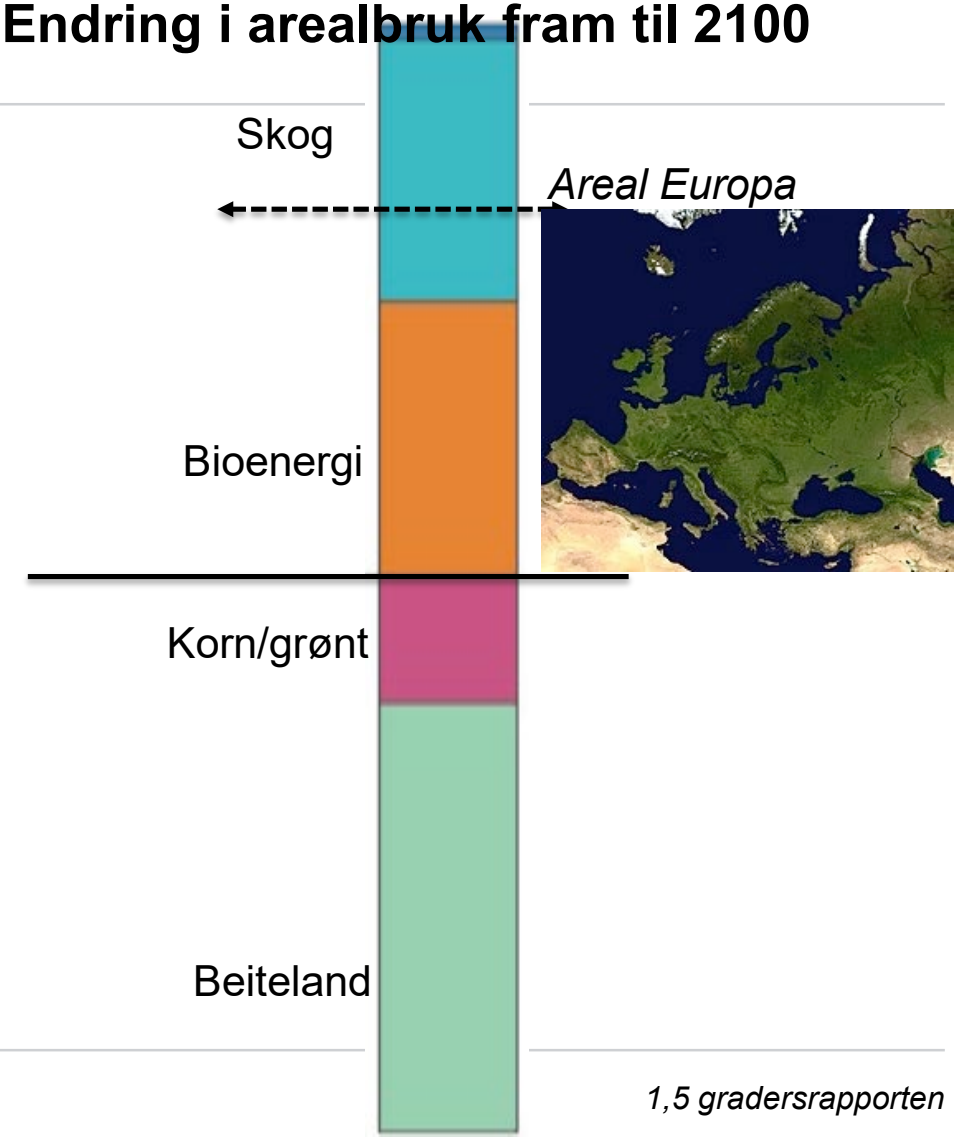


Korleis nå 1,5 gradersmålet den ”usikre” veg?

Scenarie med høg energietterspørsel



Endring i arealbruk fram til 2100



1,5 gradersrapporten

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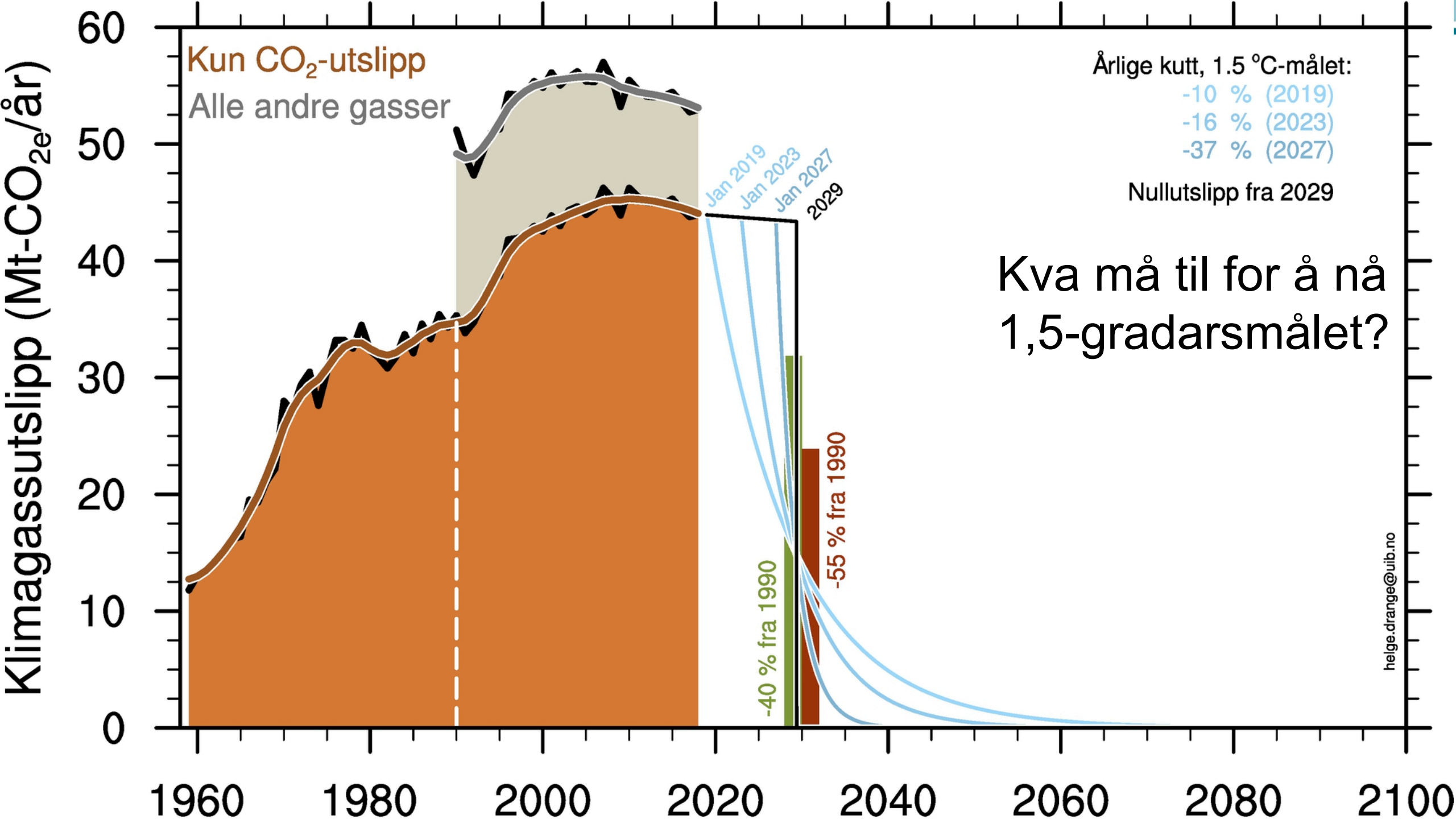
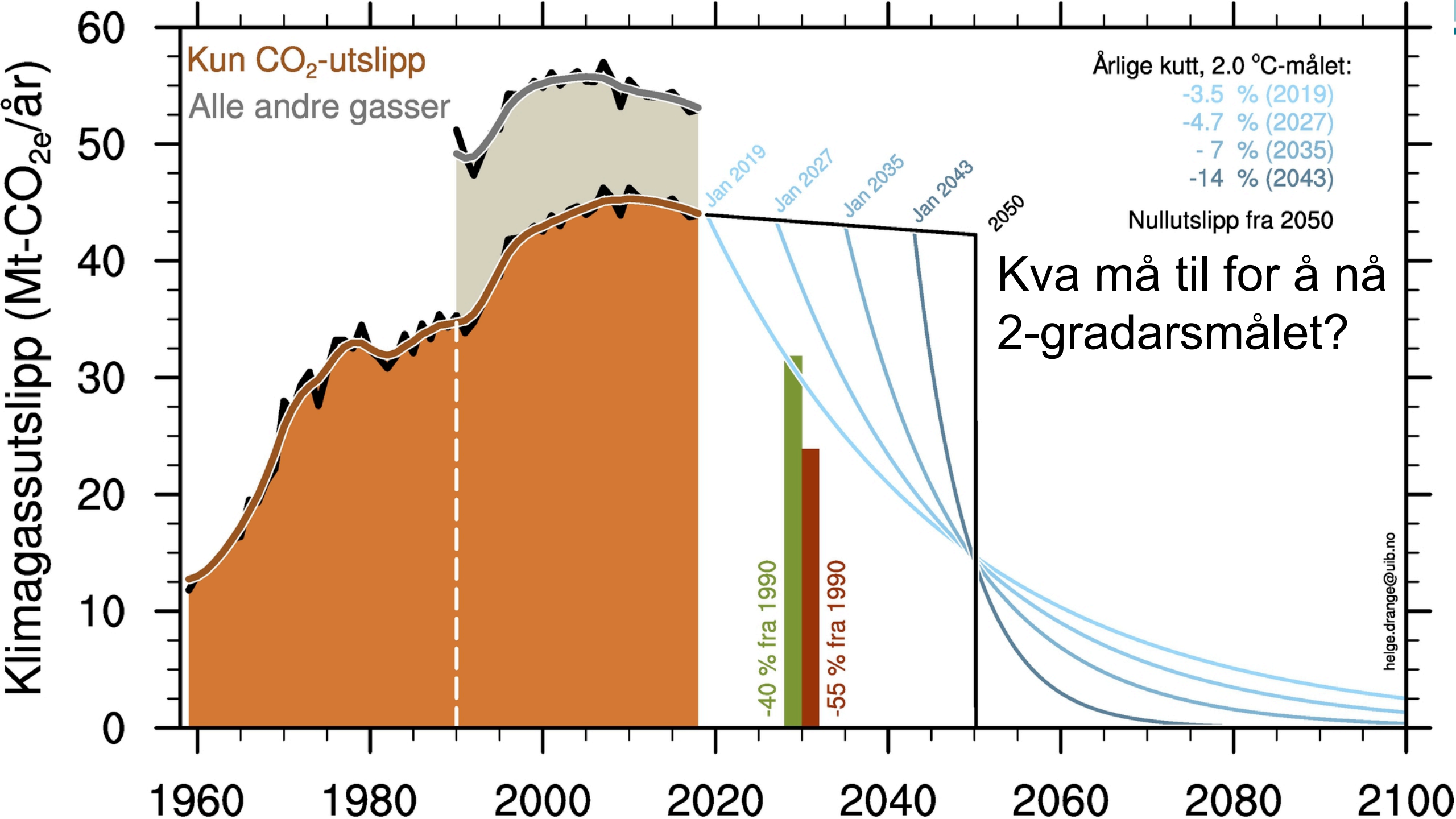
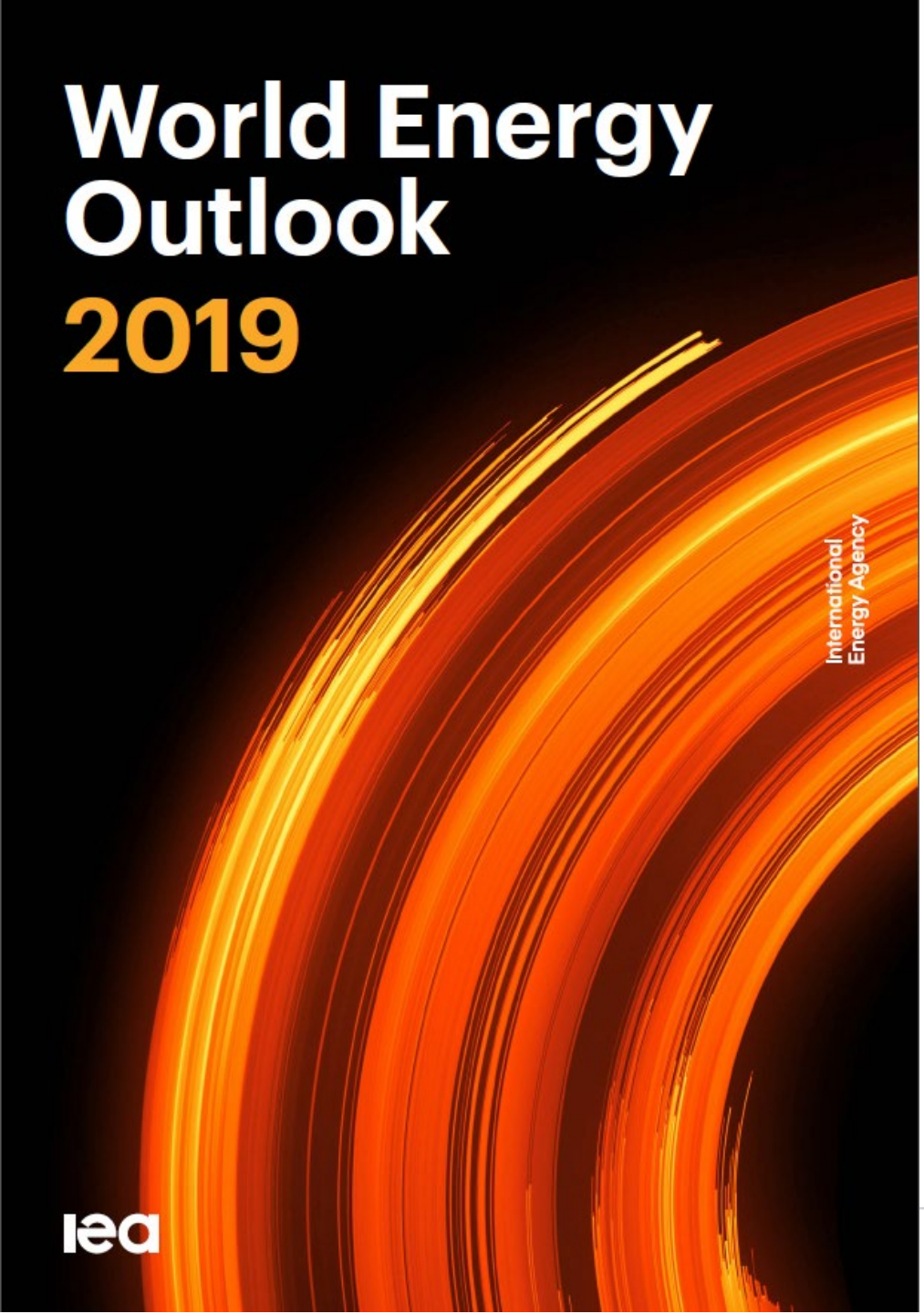
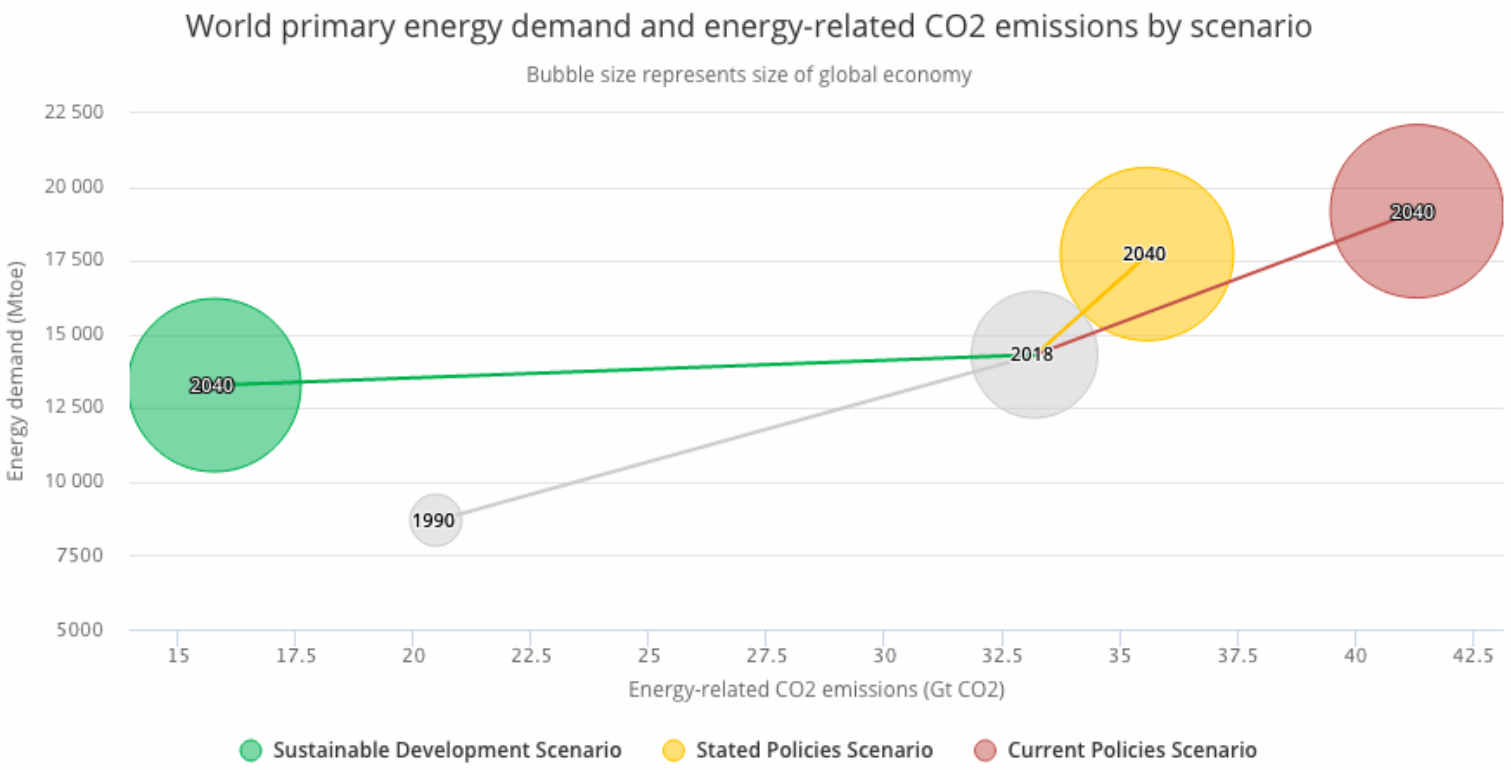


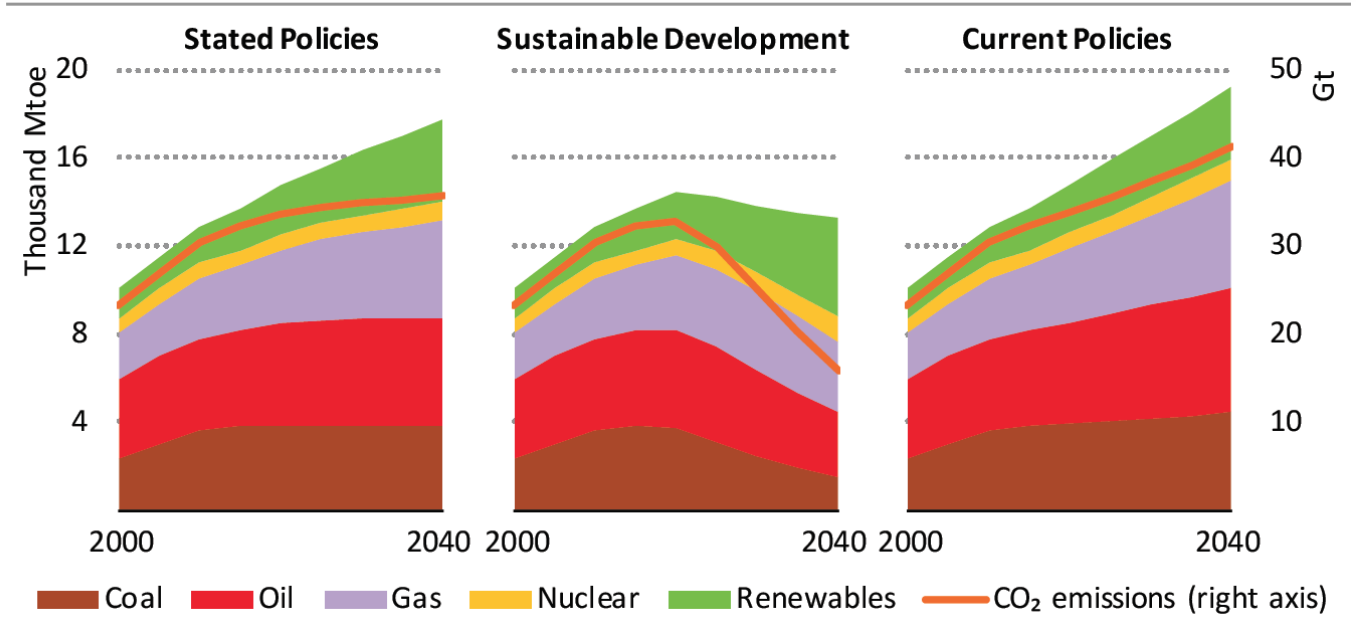
Kva må til for å nå 1,5-gradarsmålet?



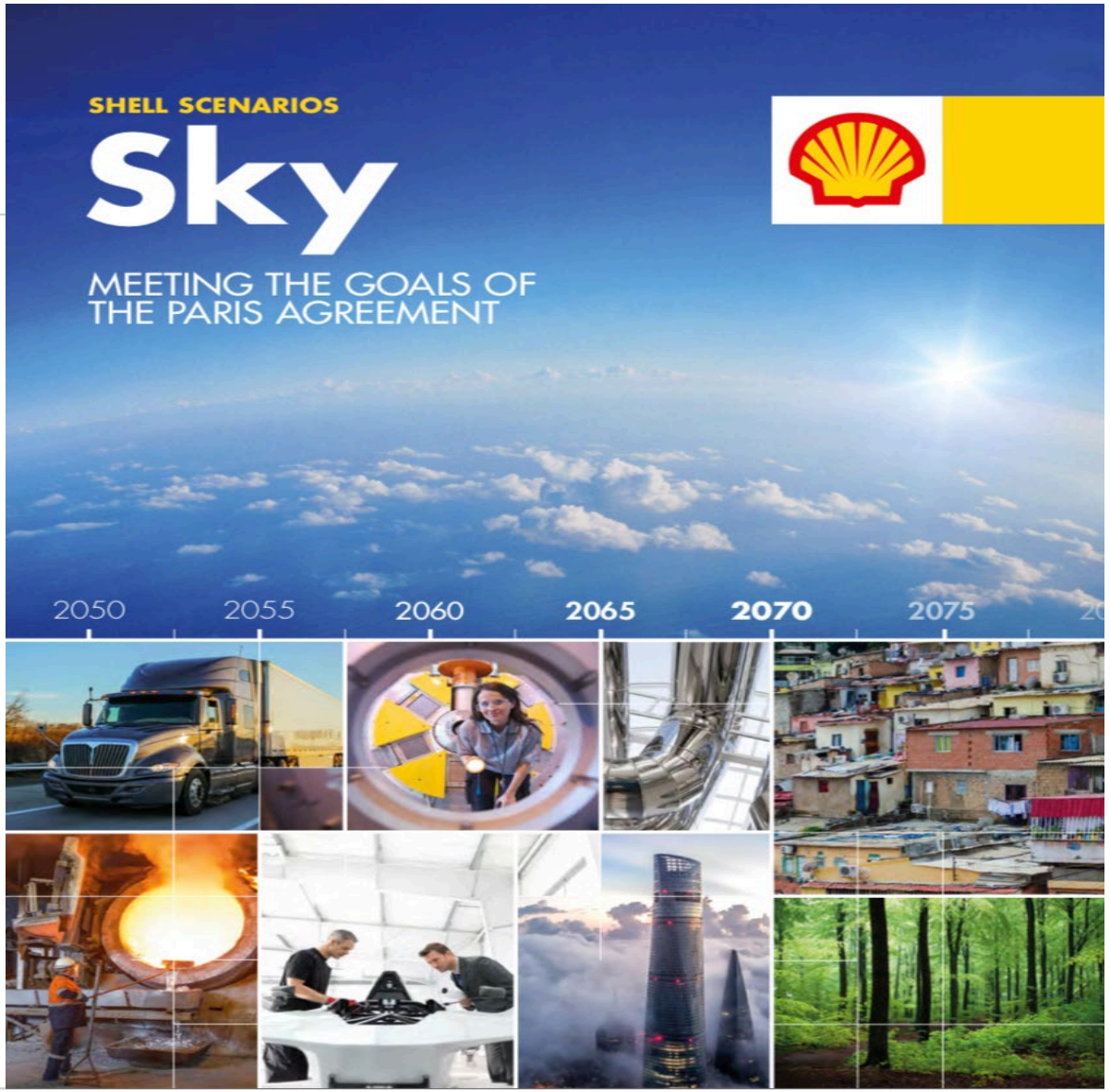
Kva må til for å nå 2-gradarsmålet?


World Energy Outlook
2019
International Energy Agency
iea


World primary energy demand and energy-related CO2 emissions by scenario
Bubble size represents size of global economy
Energy demand (Mtoe)
22 500
20 000
17 500
15 000
12 500
10 000
7500
5000
15
17.5
20
22.5
25
27.5
30
32.5
35
37.5
40
42.5
Energy-related CO2 emissions (Gt CO2)
2040
2040
2040
2018
1990
Sustainable Development Scenario
Stated Policies Scenario
Current Policies Scenario


Stated Policies
Sustainable Development
Current Policies
Thousand Mtoe
20
16
12
8
4
Gt
50
40
30
20
10
2000
2040
2000
2040
2000
2040
Coal
Oil
Gas
Nuclear
Renewables
CO₂ emissions (right axis)

WEO 2019



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