

FESTFORELÆSNING

ER VI PÅ VEJ IND I BIOALDEREN?

HENRIK WENZEL



Nations Unies

Conférence sur les Changements Climatiques 2015

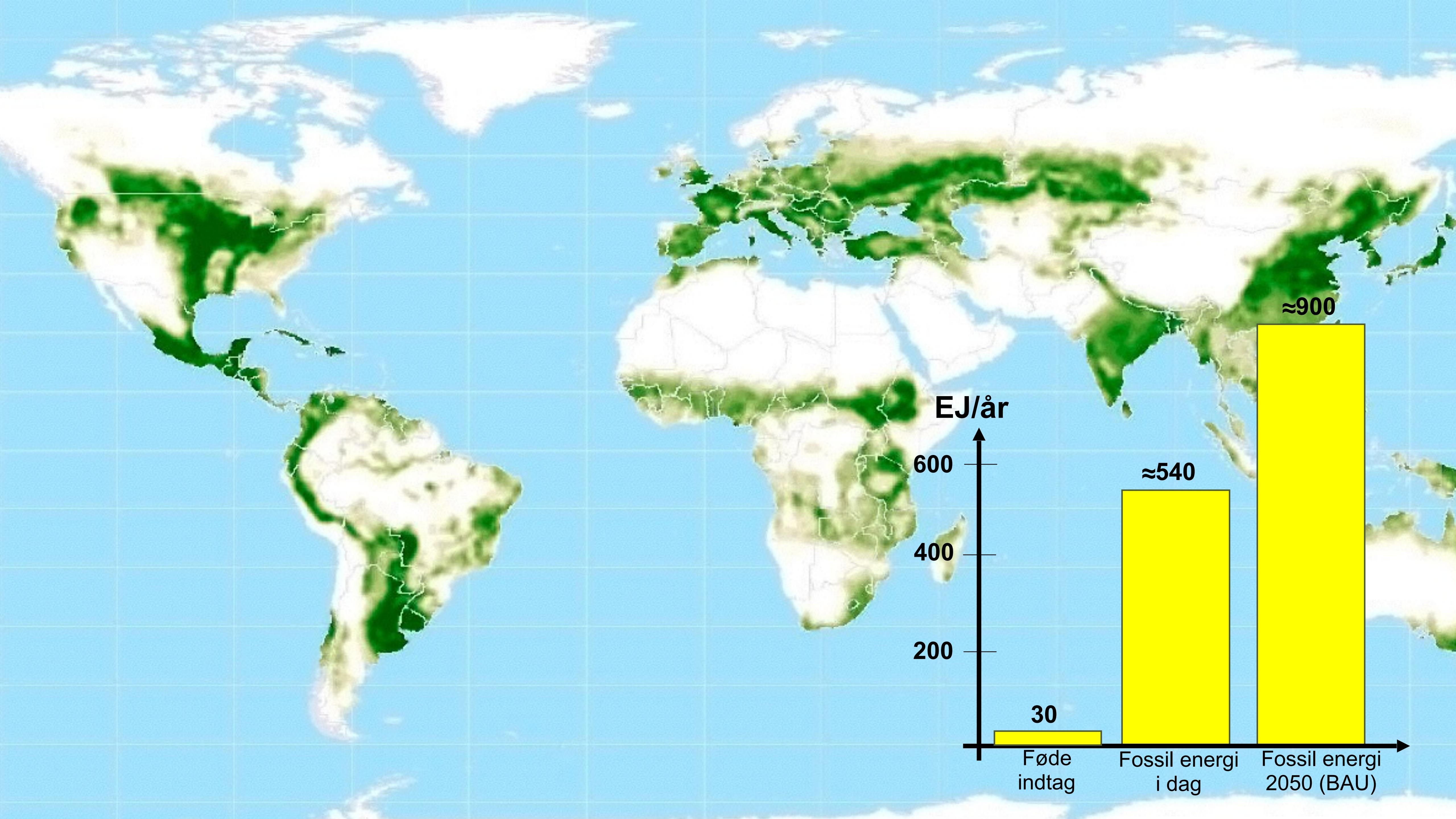
COP21/CMP11

Paris France



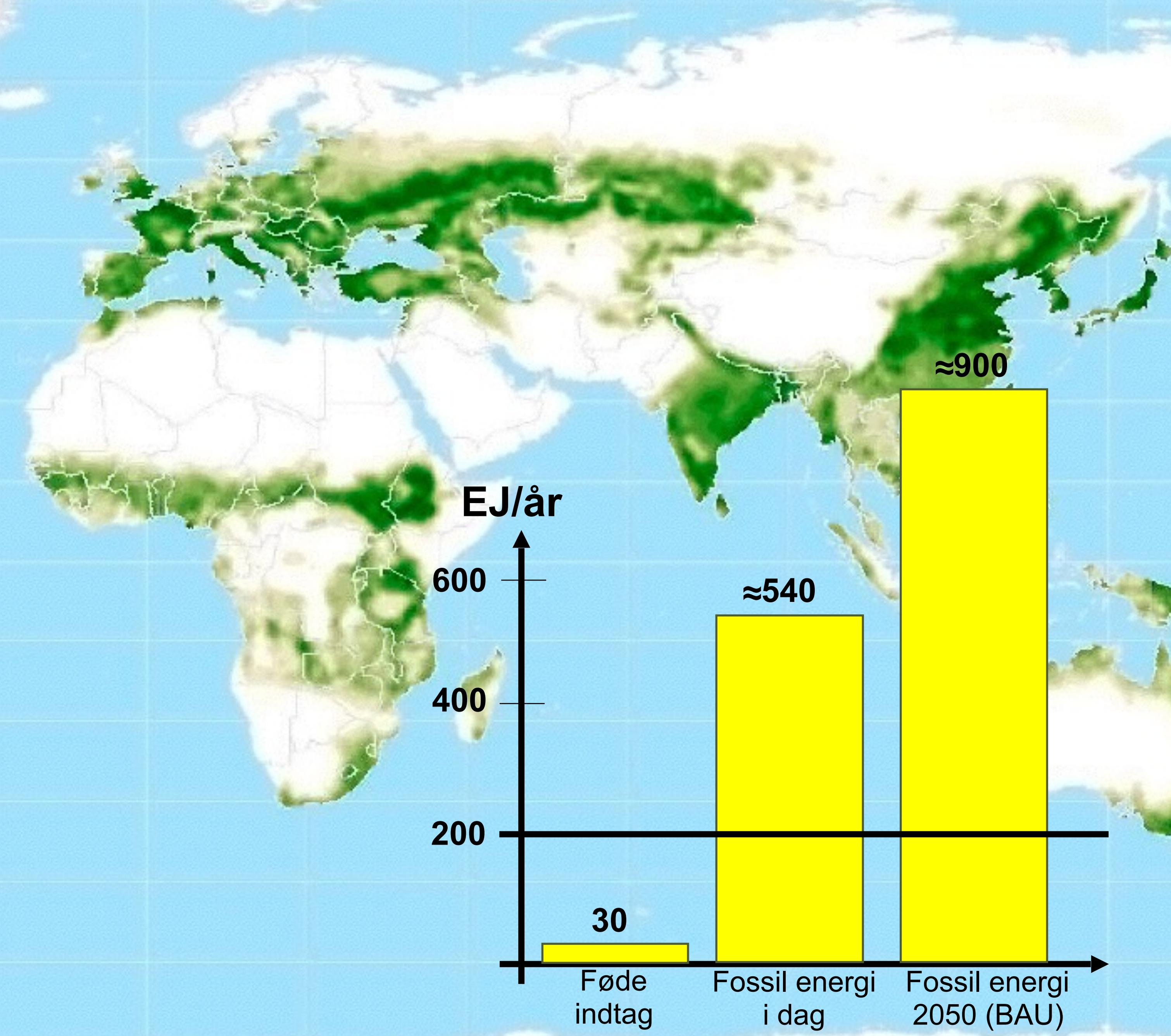


- Alm. el-forbrug
- Individuel varme
- Fjernvarme - små net
- Fjernvarme - store net
- Procesvarme
- Let transport
- Tung, lang transport



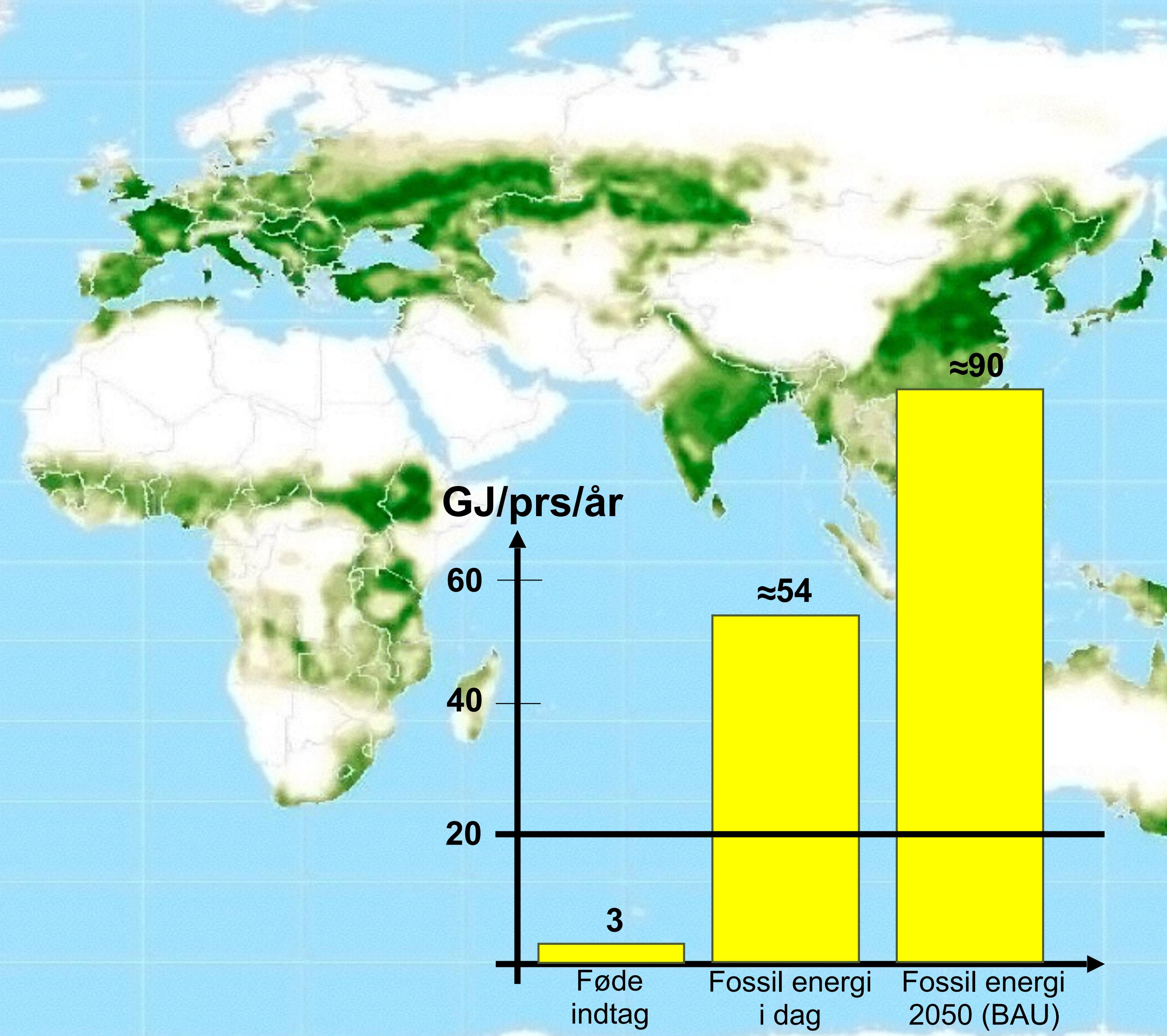


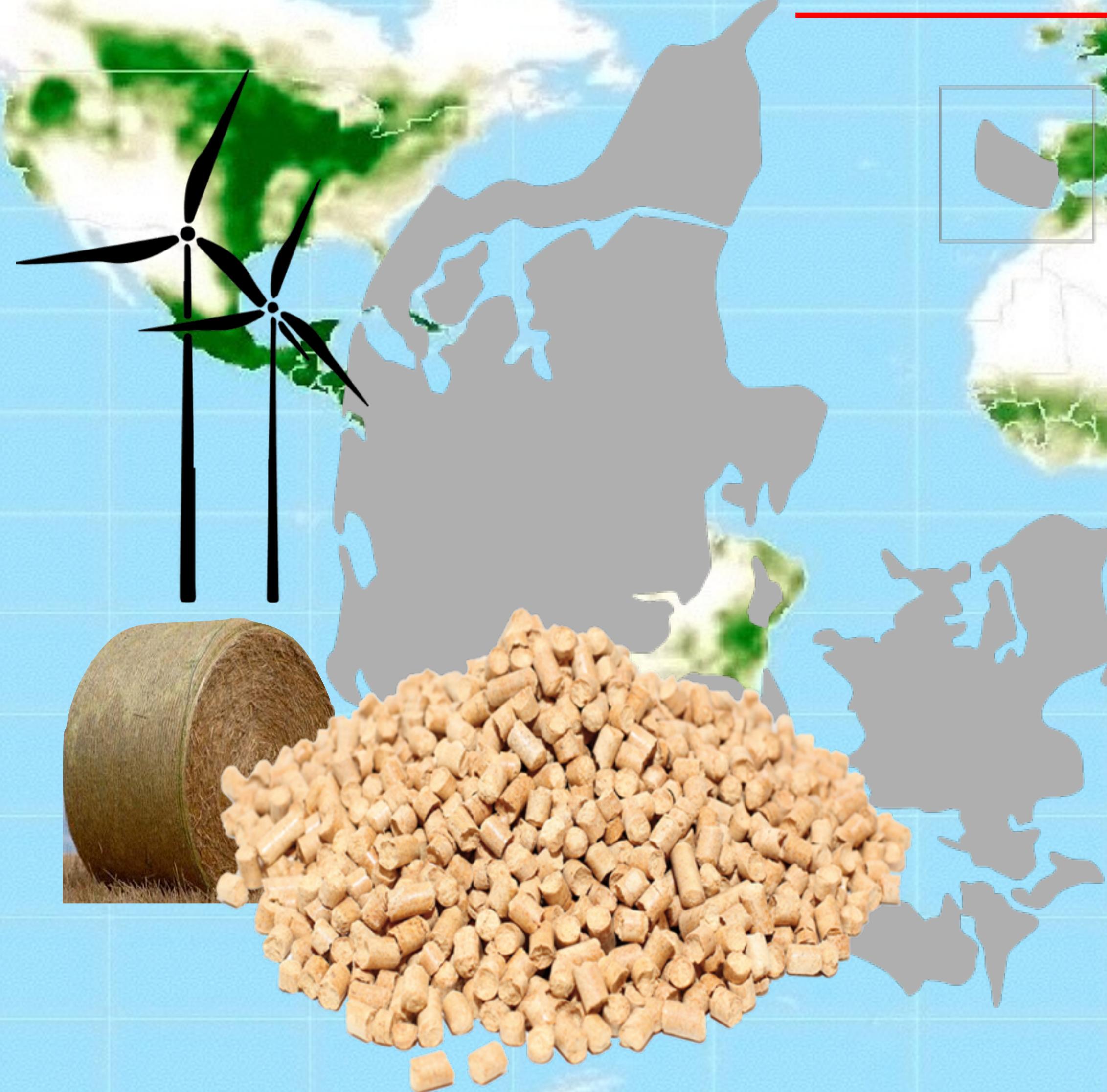
Chum et al. 2011
100-300 EJ/år





Chum et al. 2011
100-300 EJ/år





120 GJ/prs/år – bioenergi-strategien i dag

GJ/prs/år

60

40

20

0

Føde
indtag

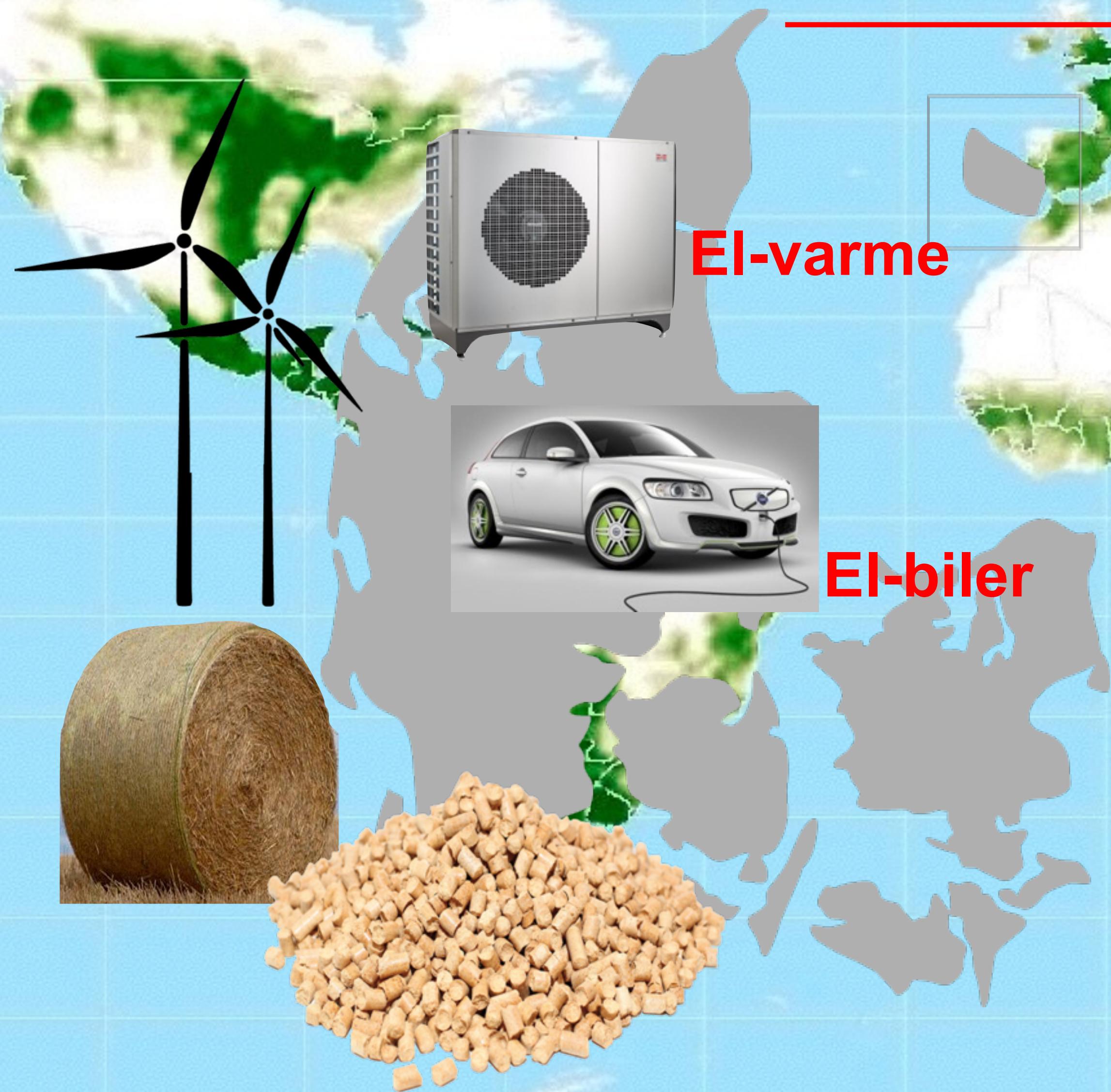
≈54

≈90

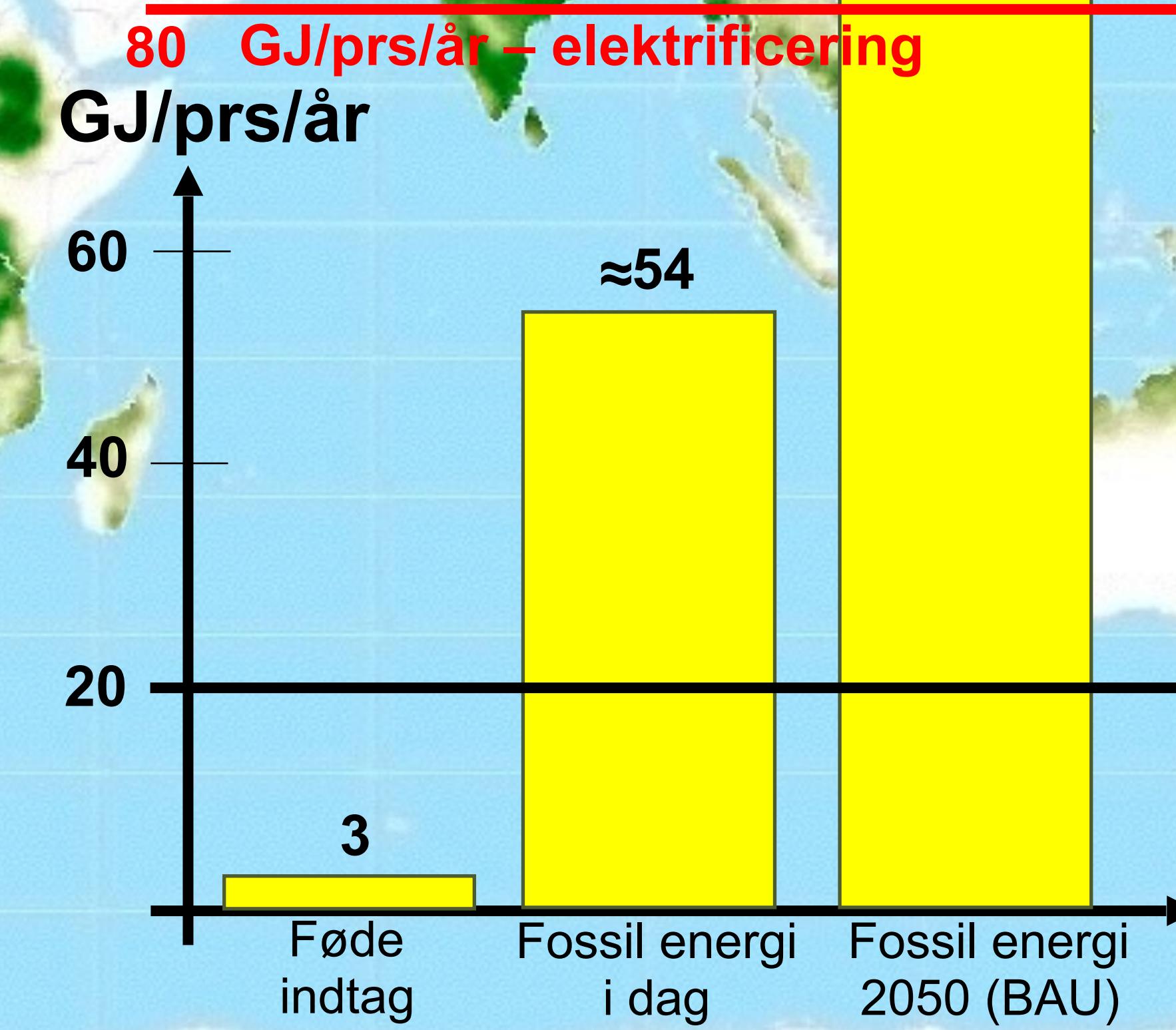
Fossil energi
i dag

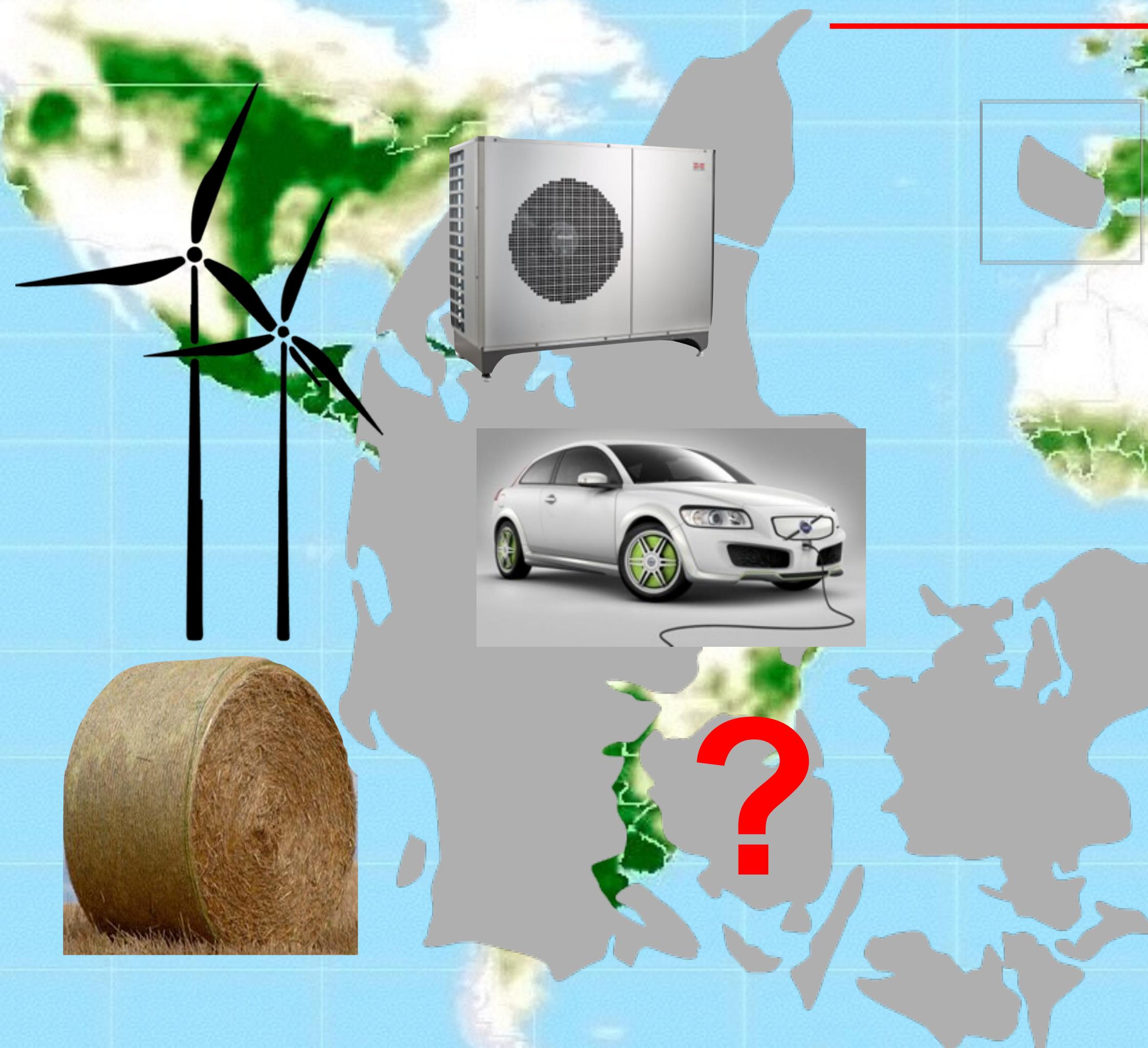
Fossil energi
2050 (BAU)

3



120 GJ/prs/år – bioenergi-strategien i dag





120 GJ/prs/år – bioenergi-strategien i dag

80 GJ/prs/år – elektrificering

GJ/prs/år

60

40

20

3

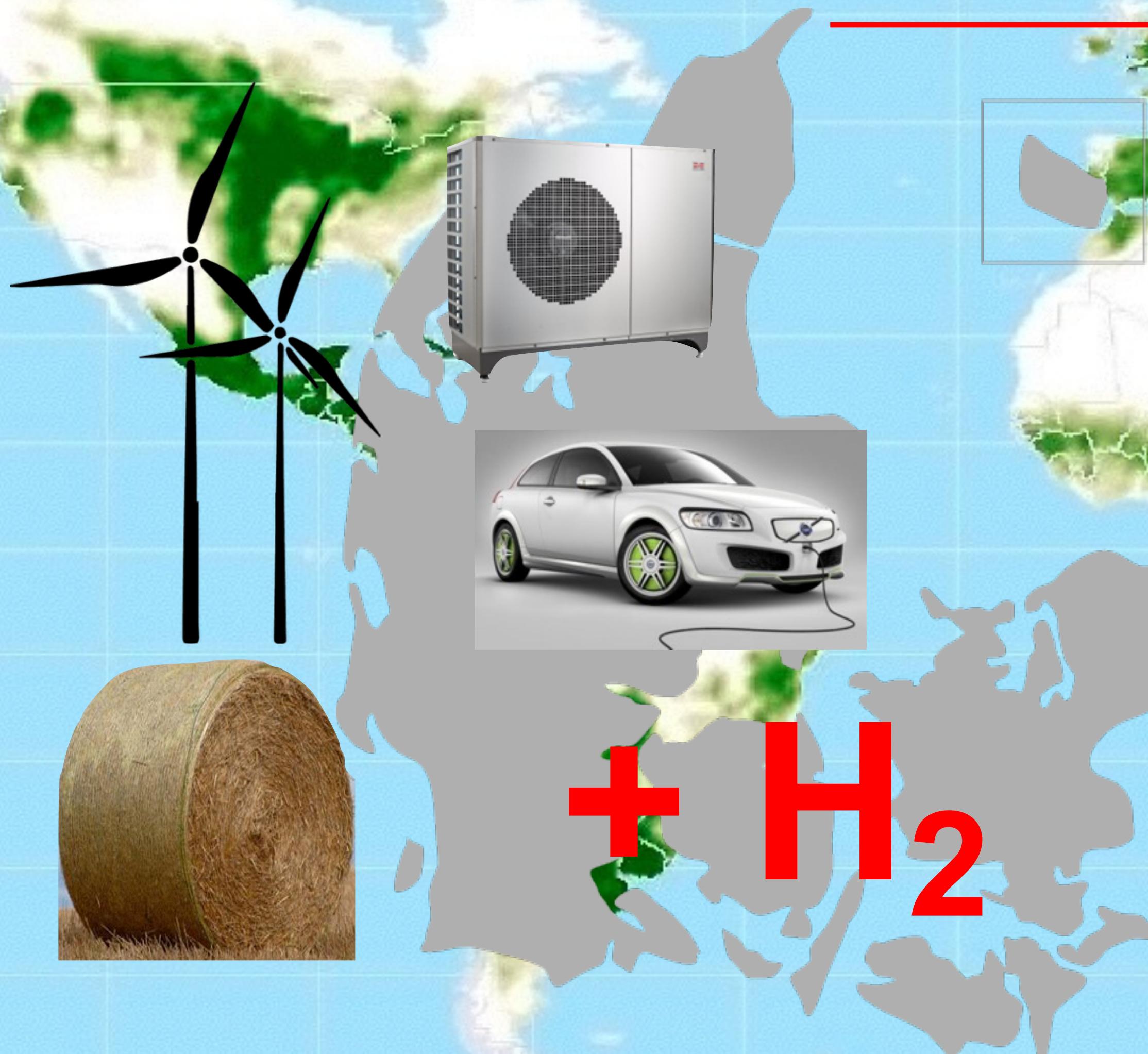
Føde
indtag

≈54

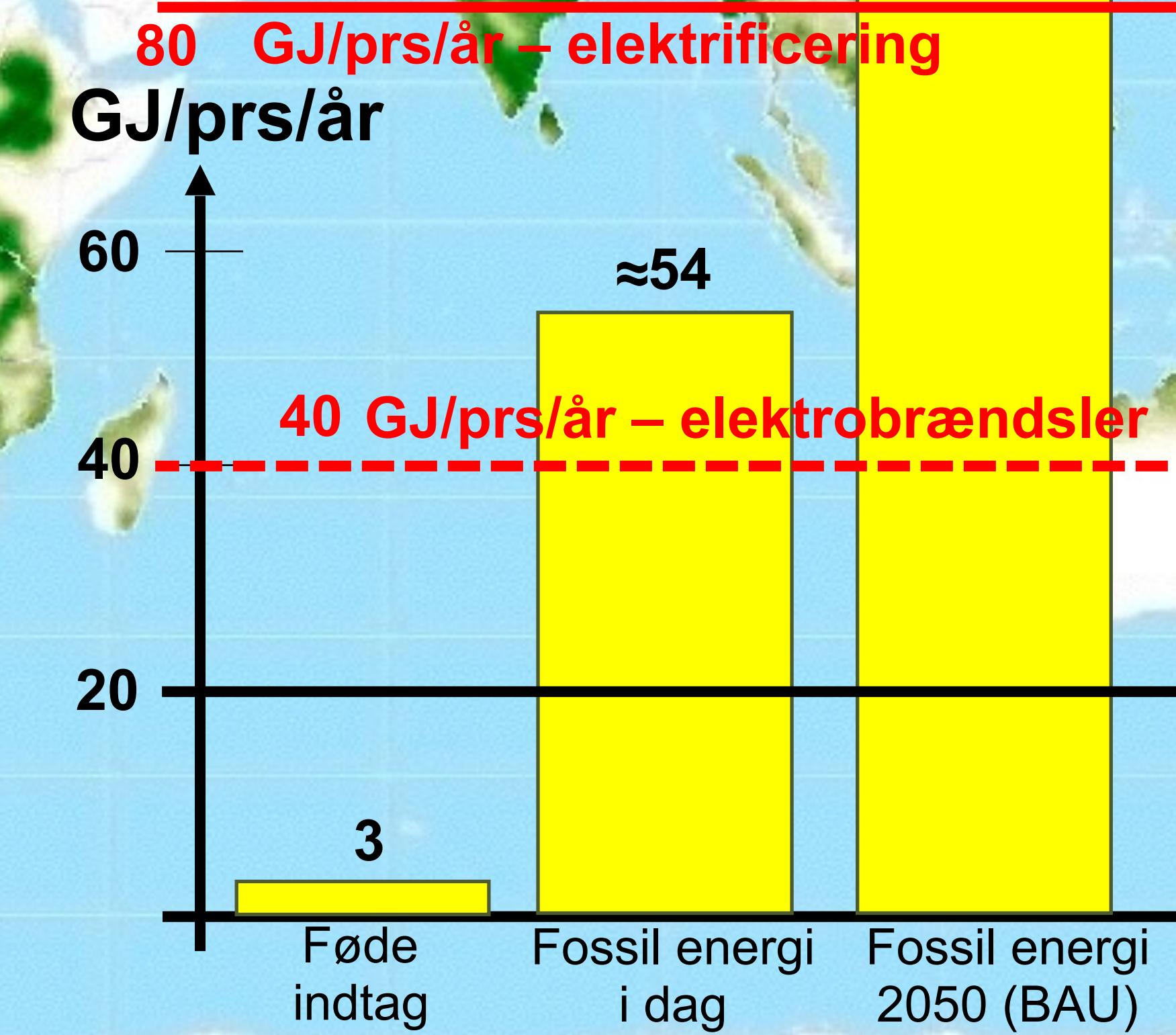
Fossil energi
i dag

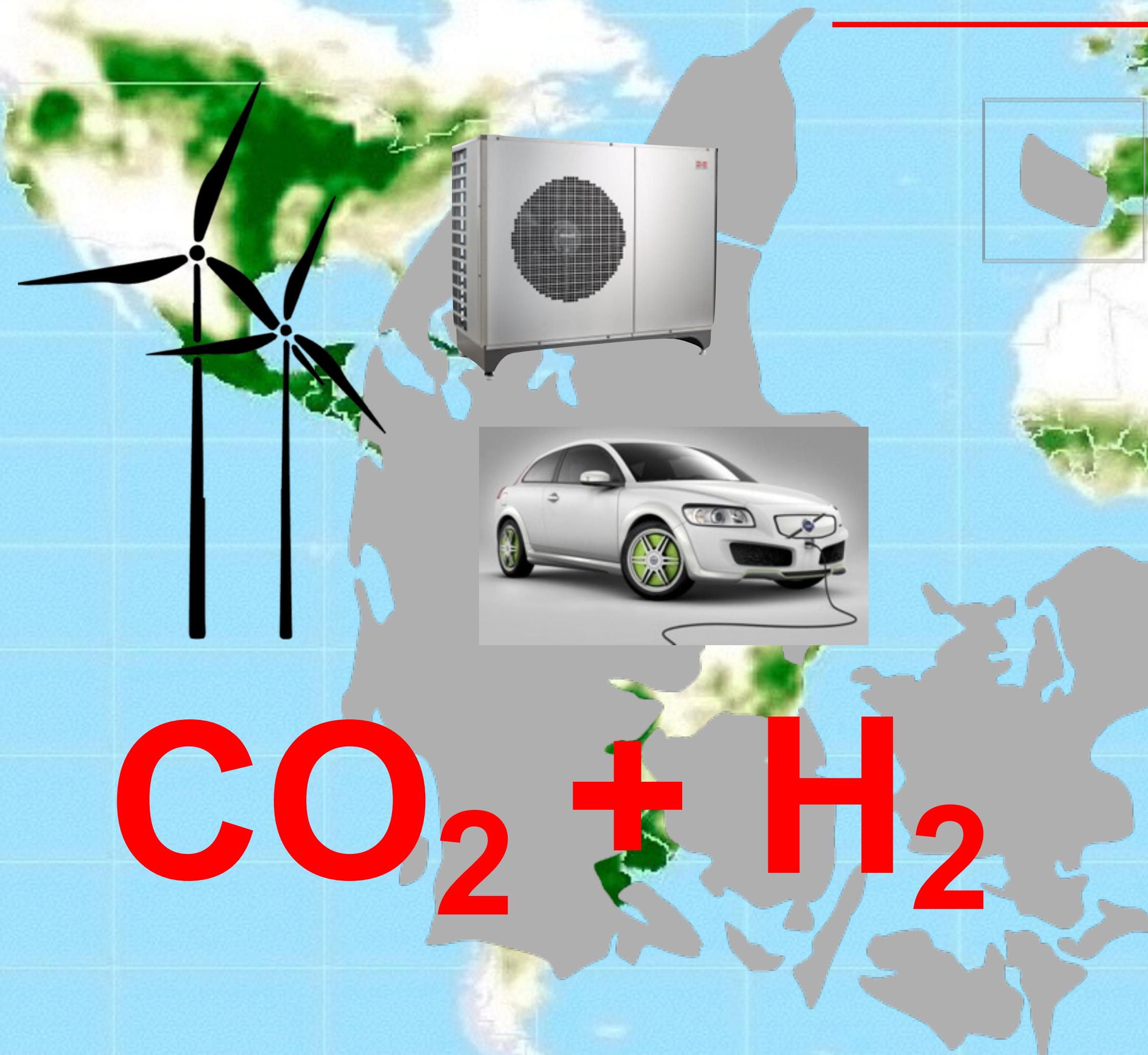
≈90

Fossil energi
2050 (BAU)

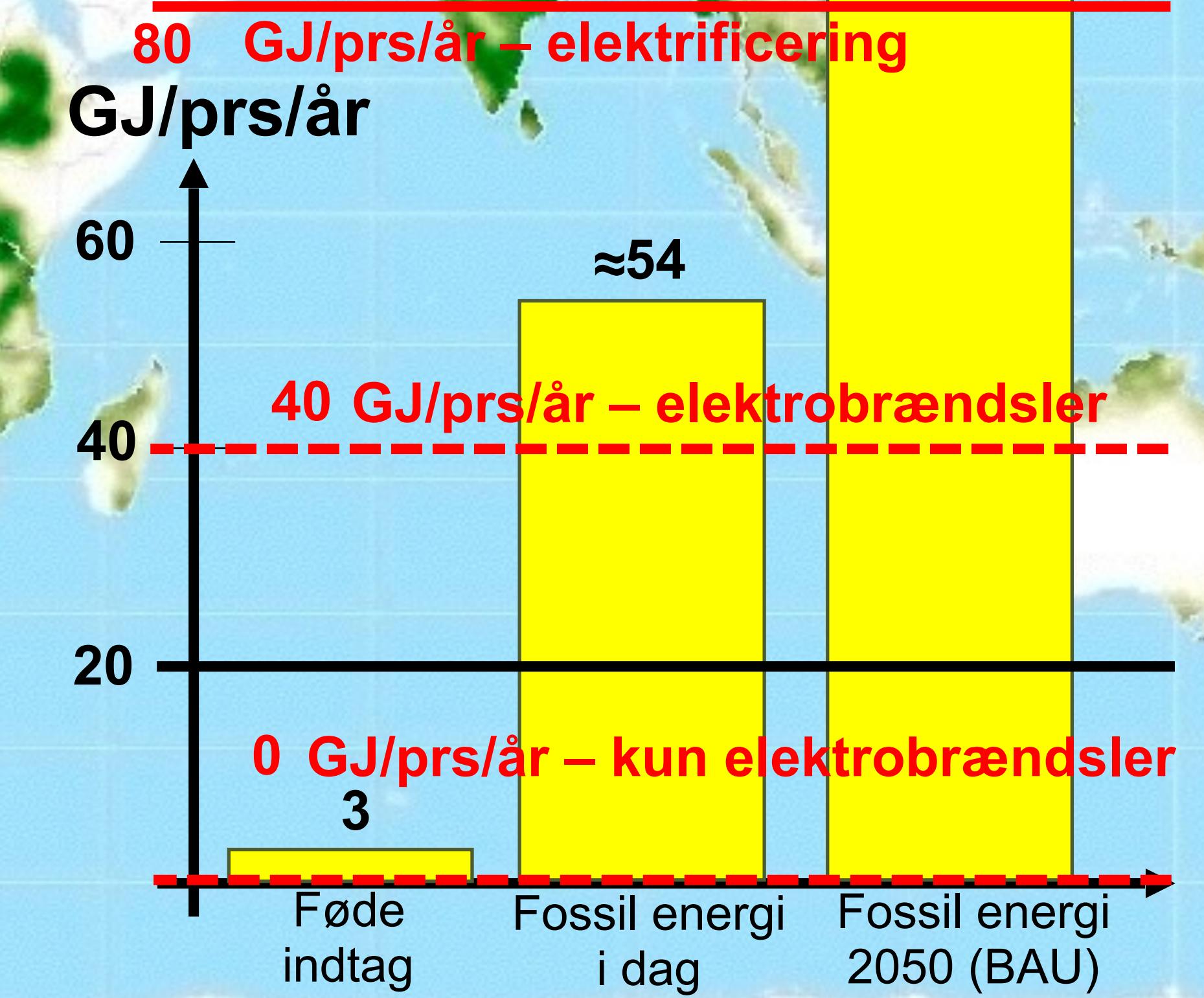


120 GJ/prs/år – bioenergi-strategien i dag

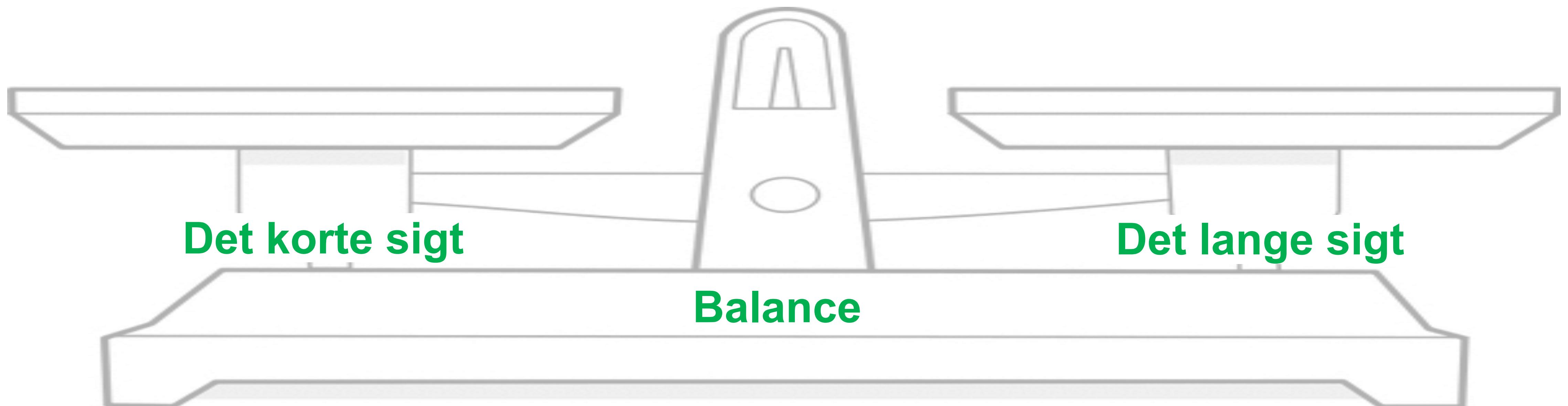




120 GJ/prs/år – bioenergi-strategien i dag



At række efter månen?



At række efter månen?



0,7 % af BNP

DANIDA

0,7 % af BNP

2 % af BNP



Det korte sigt



Balance

0,5 % af BNP



Det lange sigt

FREE POWER
- the millennium gift to mankind