

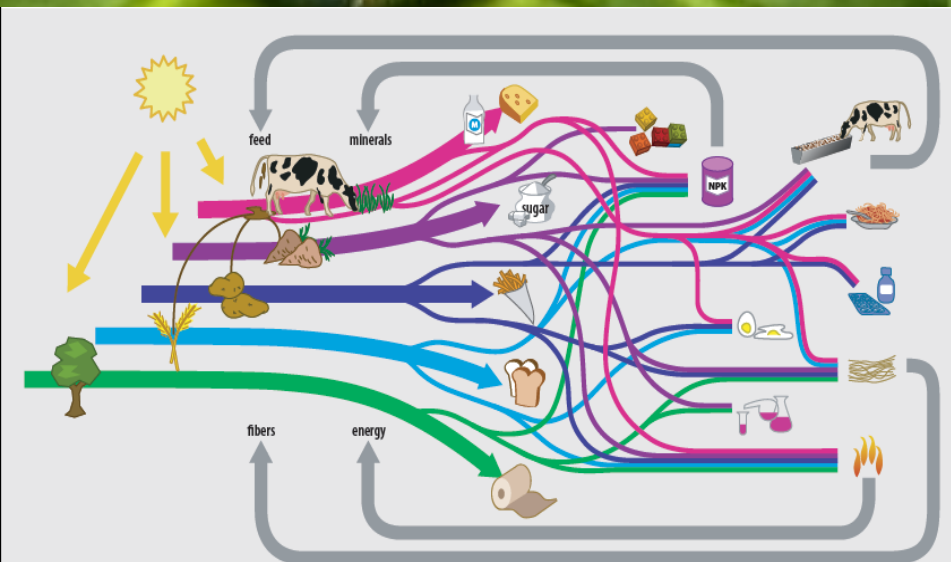


Netherlands Enterprise Agency



Biofuels as part of Renewable Energy policy in the Netherlands

IEA Bioenergy task 39
Paul Sinnige
19 April 2021





The Netherlands

17 million inhabitants

on 40.000 sq. km

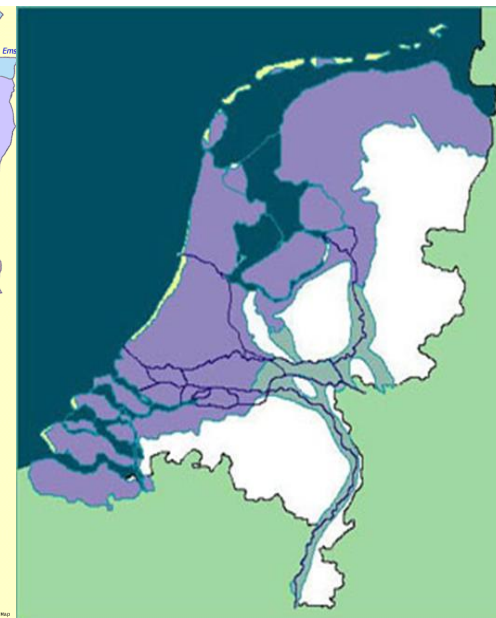
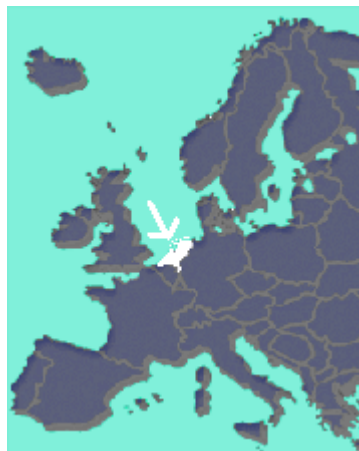
46.073 US\$ GDP/Cap

390 municipalities

Consumption fuels 10 Mton

Consumption biofuels: 0,8 Mton

Production biofuels: 2,1 Mton



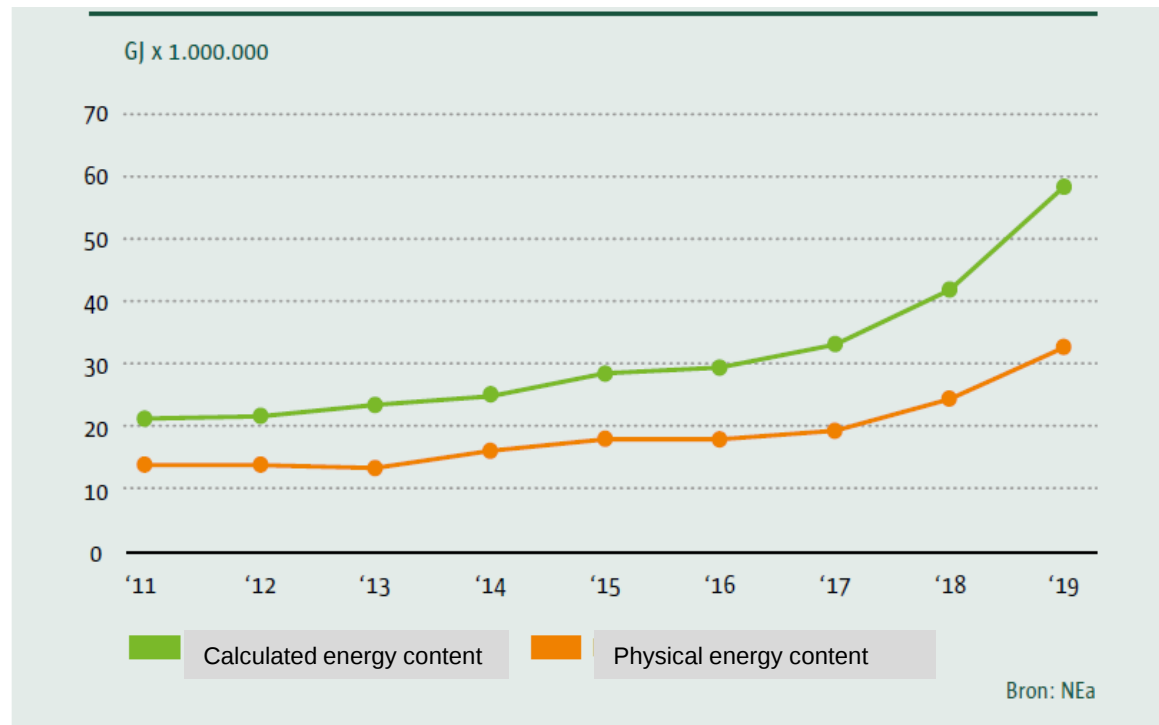
- Delta downstream large European rivers, 2/3 of the country below sea level
- Surrounded by industrialized area's of Belgium, Germany





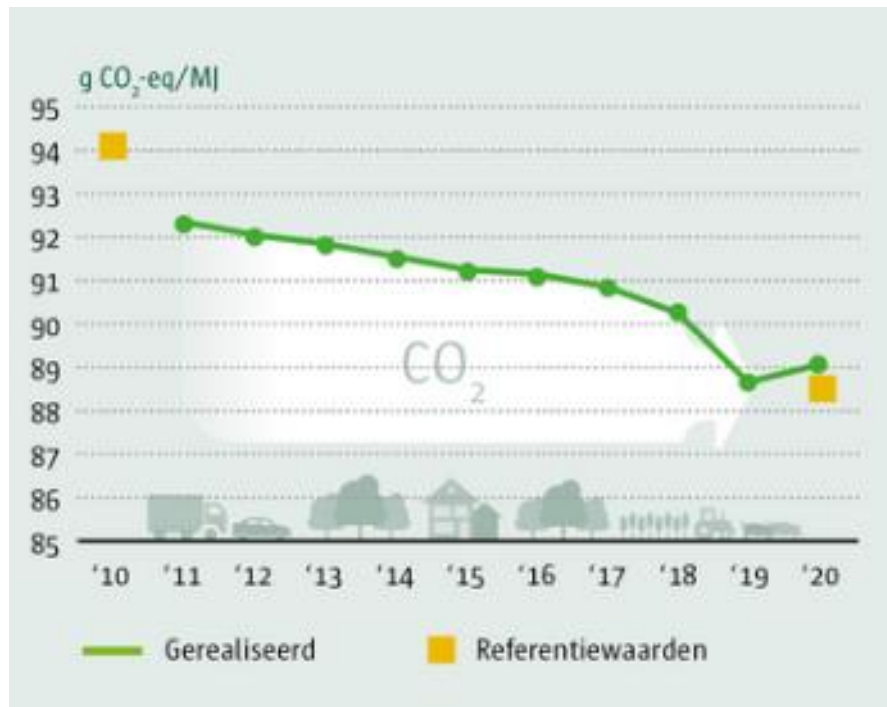
Contribution to the 10% EU target 2020

- Dutch obligation 16,4% (all use)
- Aiming 11,5% EU
- Covid reduced fuel cons. 13%
- And Marine fuels took 30% in 2020, not counting for EU target.
- Still make 10% RED





Trend CO₂reduction



- FQD reduction CO₂ target 6% to 2010
- NL was right on target
- But 30 Marine fuels are not eligible for FQD
- Marine '21 restricted



Top 15 origin feedstock biofuels





Supplier obligation transport '22 – '30

- Dutch Climate agreement adds 27 PJ to estimated 33 PJ 14% EU ('30)
- Inland shipping is added to (road) transport obligation with 5 PJ ('30)
- Total obl. ca 27% incl double counting
- RED2 system rules proposed:
 - V&V equal to 2020
 - Annex XI A share 3,5% physical
 - Annex IX B equal to 2020
 - Opt-in Aviation and Marine until '25
- FQD 6% GHG reduction





Renewable Aviation Fuels

- NL at least 14% in '30
- Aiming for separate obligation from '25
- Preferably EU wide
- 7 MS joint statement on Sustainable Aviation
- ReFuel program
- Action program NL stakeholders

