



Netherlands Enterprise Agency

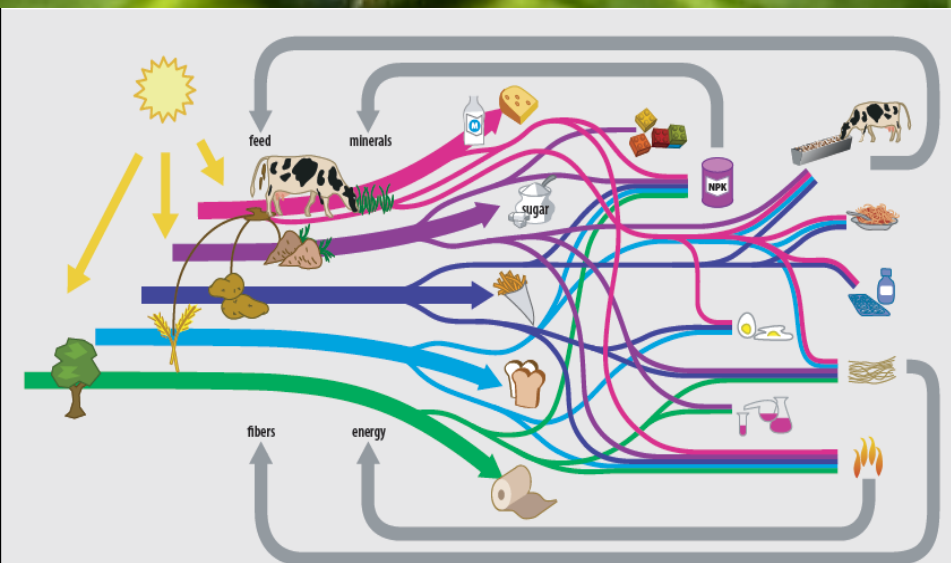


Biofuels as part of Renewable Energy policy in the Netherlands

Paul Sinnige

Ispra, 15 May 2019

IEA Bioenergy task 39





The Netherlands

17 million inhabitants

on 40.000 sq. km

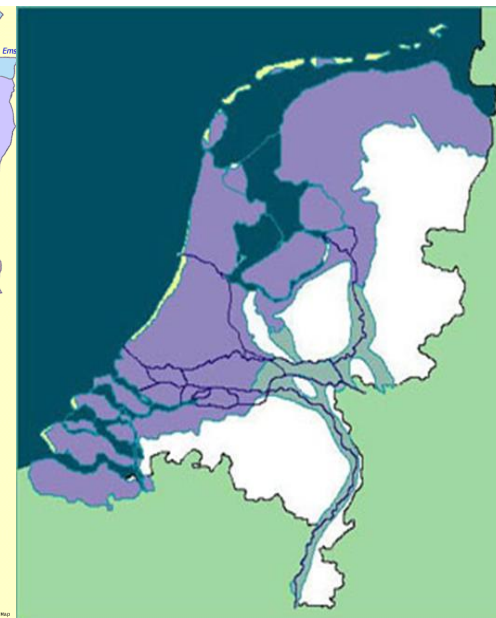
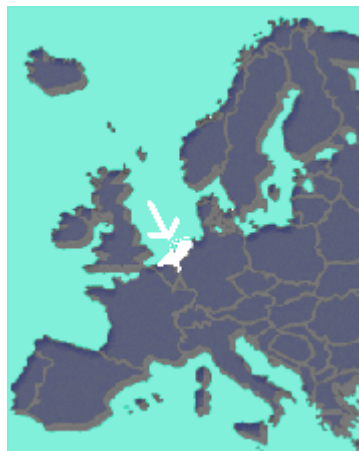
46.073 US\$ GDP/Cap

390 municipalities

Consumption fuels 11 Mton

Consumption biofuels: 0,5 Mton

Production biofuels: 1,9 Mton

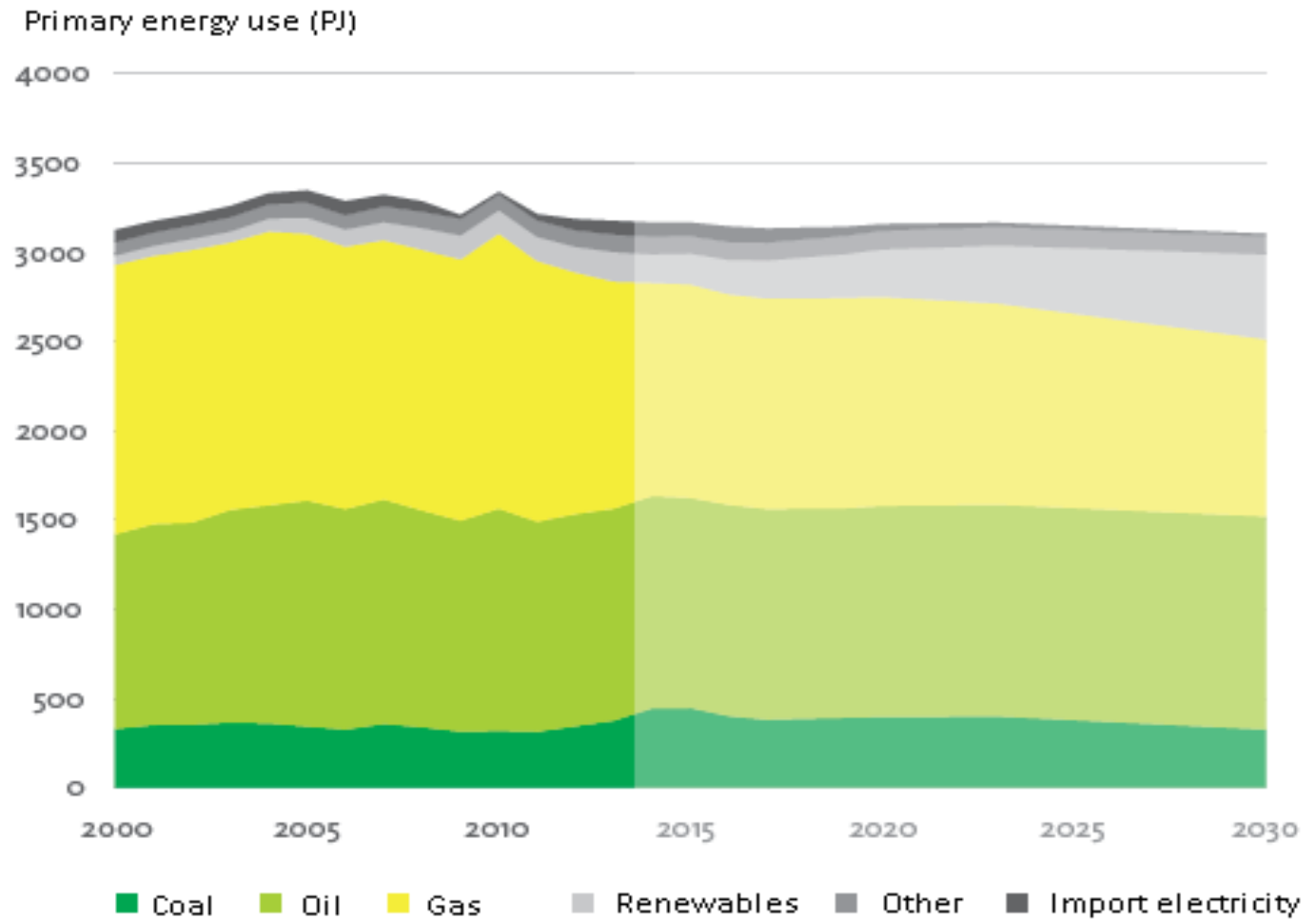


- Delta downstream large European rivers, 2/3 of the country below sea level
- Surrounded by industrialized area's of Belgium, Germany





Primary energy use





2020 Obligation to suppliers

- $\geq 10\%$ RED (primary) and $\geq 6\%$ FQD (secondary)
- Contribution transport ≥ 36 PJ to over-all RED target
 - > *(over 8% without double counting)*
 - >
- (sub)targets
 - Limit on conventional biofuels 5%
 - Sub target advanced biofuels (Annex IX A) 0,5%
- Double Counting of Annex IX fuels (A+B)

RESULT: National obligation to suppliers 2020 NL 16,4%



2030 Obligation RED2

Target 14% renewables*

Subtarget for transport:

* min. 3,5% advanced biofuels
(Annex IX A)

Caps:

max. 7% from food/feed crops

* max. 1% higher than 2020 share

* high ILUC $\leq$ share in 2019

decrease from 2023 to 0% in 2030

* max. 1,7% annex 9 B (UCO)

Multipliers for renewables:

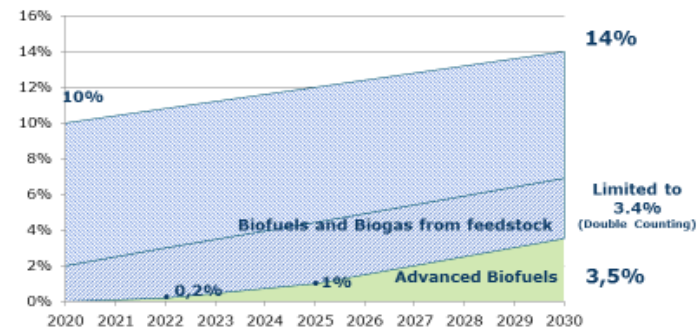
* 4x electricity road, 1,5x electricity rail

* 1,2x aviation and maritime sectors

* 2x fuels from annex IX (optional)

CLEAN ENERGY FOR ALL EUROPEANS

MAINSTREAMING RENEWABLE ENERGY IN TRANSPORT



➤ **Conventional** biofuels, bioliquids and biomass from food and feed crops frozen around 2020 levels

➤ **High ILUC risk** biofuels first frozen, and then gradually reduced towards 0% by 2030

Multipliers





Draft Climate Agreement



- 49% CO₂ reduction 2030 (Paris)
- Multistakeholder proces
- 5 sector tables: Urban environment, Mobility, Industry, Agriculture and land use, Electricity.
- Mobility 7,2 Mton CO₂-reduction
 - Electrification (2 mln EV)
 - Biofuels 27 PJ plus
 - Various efficiency measures



Mobility in Draft Climate Agreement

- 27 PJ is additional to the estimated 33 PJ from the EU obligation (2 Mton CO₂ red).
- € 200 mln subsidy to stimulate production advanced biofuels NL
- Transport levy might contribute to Green Truck Fuel
- Separate appointments on Aviation and Shipping outside the 27 PJ (no Paris)
- Integral sustainability requirements biomass





NL post 2020 policy on renewable fuels

- 2030 Blending mandate of $33 + 27 = 60$ PJ
- Focused on energy and WTW CO₂ emissions
- Politic claim all growth in advanced biofuels
- Sustainability demands maybe beyond RED
- Separate targets on Aviation (14%), inland shipping (B30) and sea shipping IMO 20%
- Looking at more instruments to support advanced biofuels



Thanks for your attention!

