



NL Agency
*Ministry of Economic Affairs,
Agriculture and Innovation*

Country update Biogas production in the Netherlands

IEA-Bioenergy Task 37 meeting
April 2013 in Bern

Mathieu Dumont
NL Agency

» *Focus on sustainability,
innovation and international*

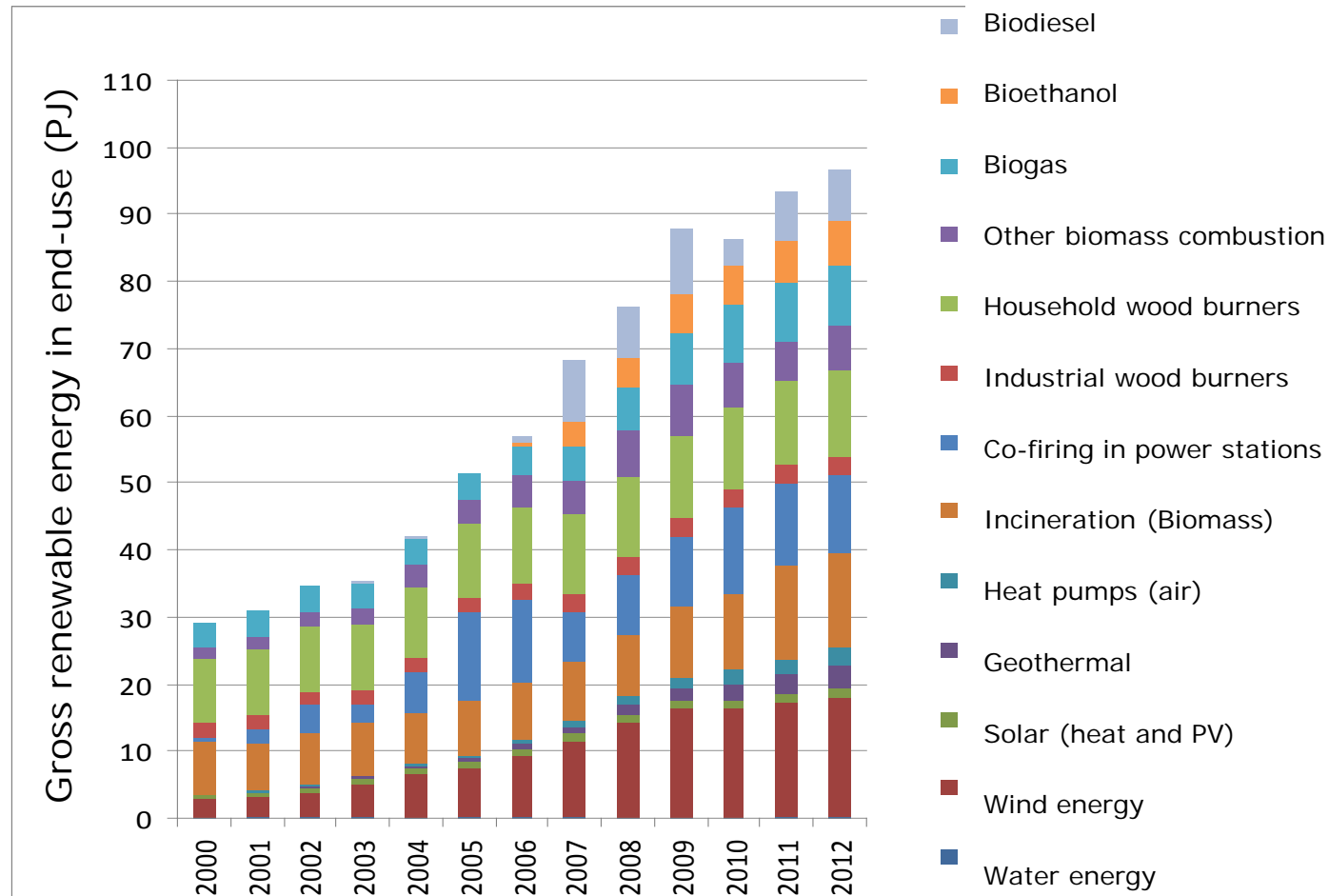


Content

- Statistics Renewable Energy situation in NL
- SDE+ support schemes 2013
- Overview project development and filling stations biomethane
- Study tour biomethane within IEE-Green Gas Grids projects

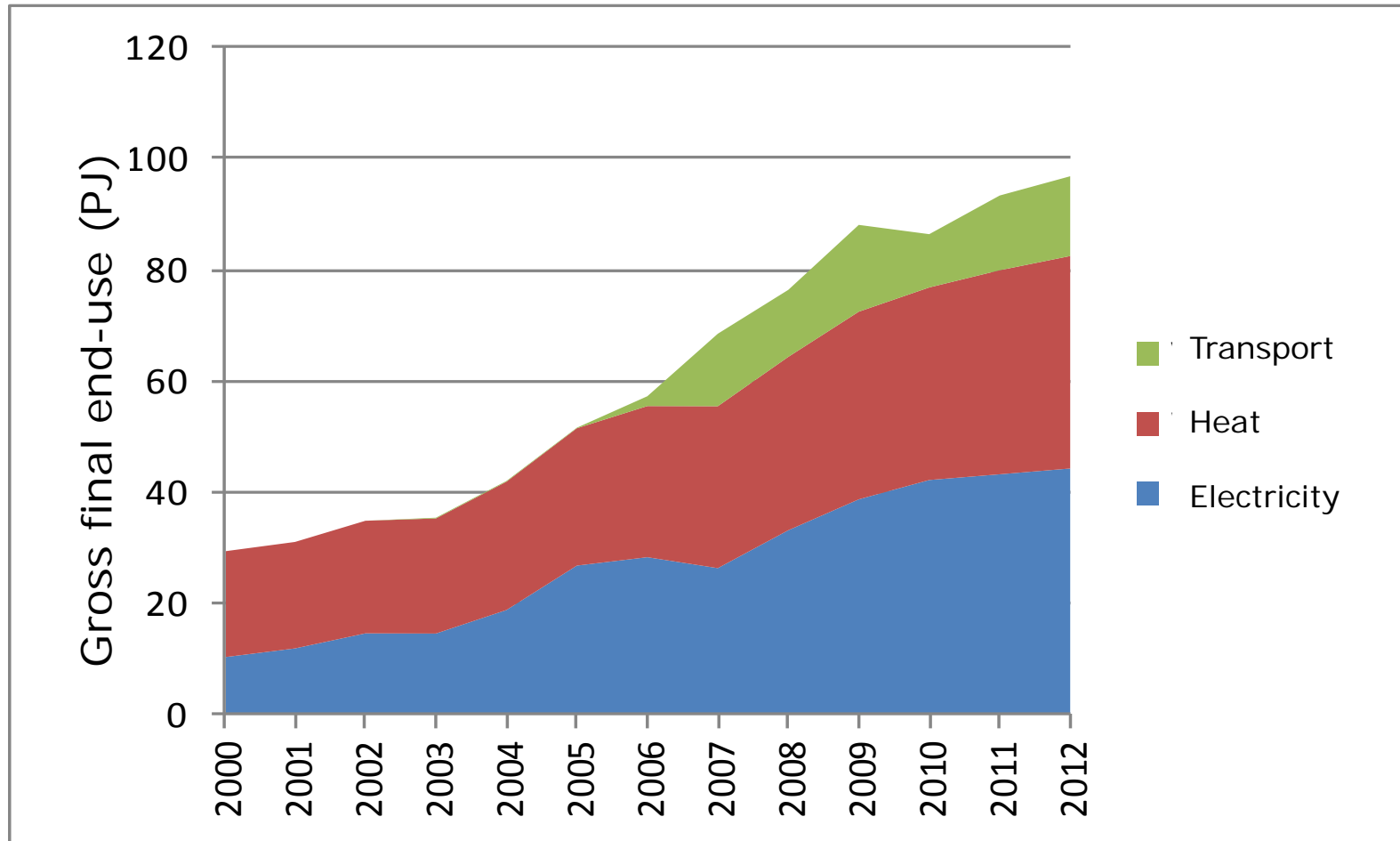


Contribution of different RE options to RE production NL



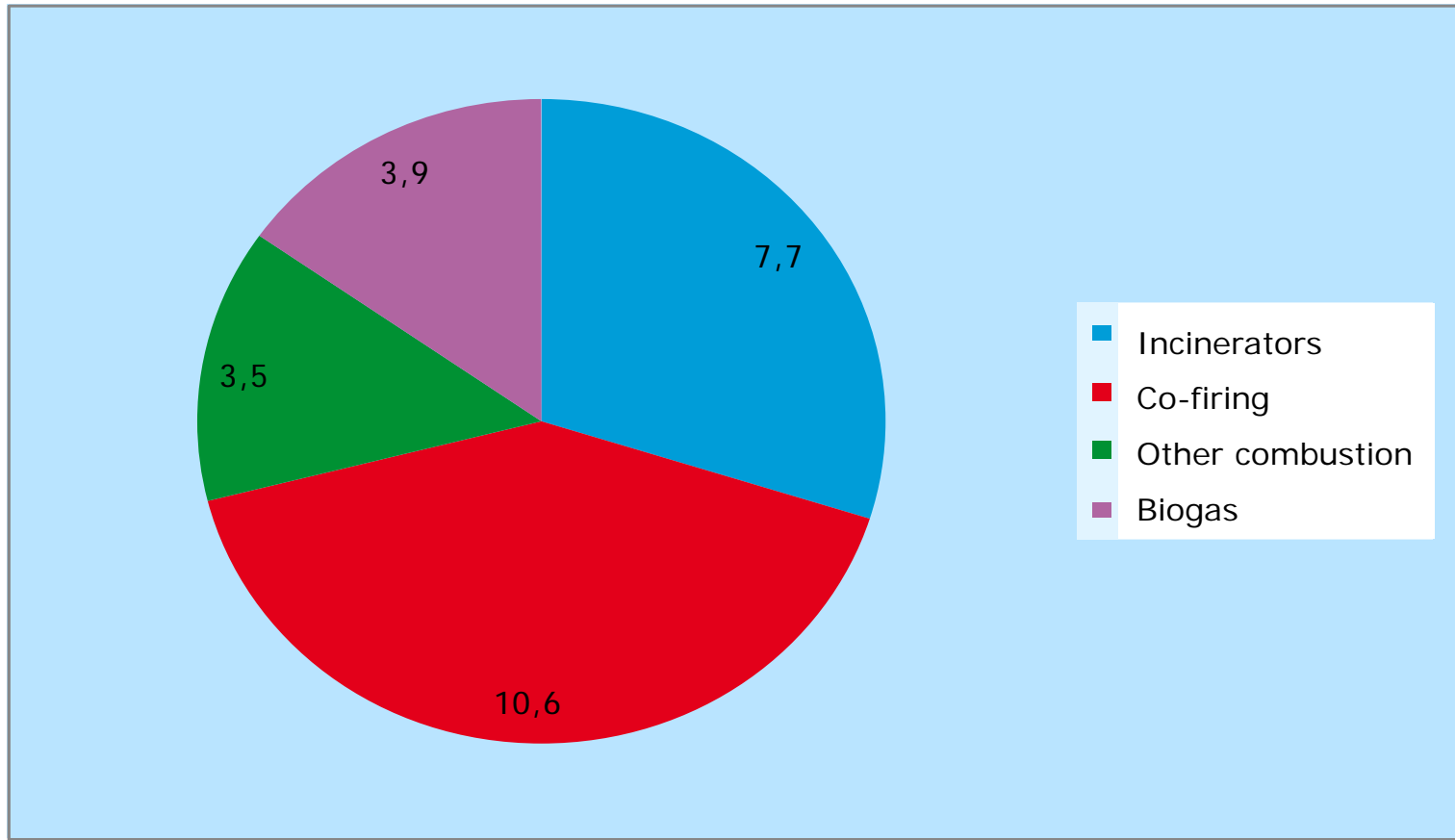


Development final application RE in (El., heat and transport) in PJ



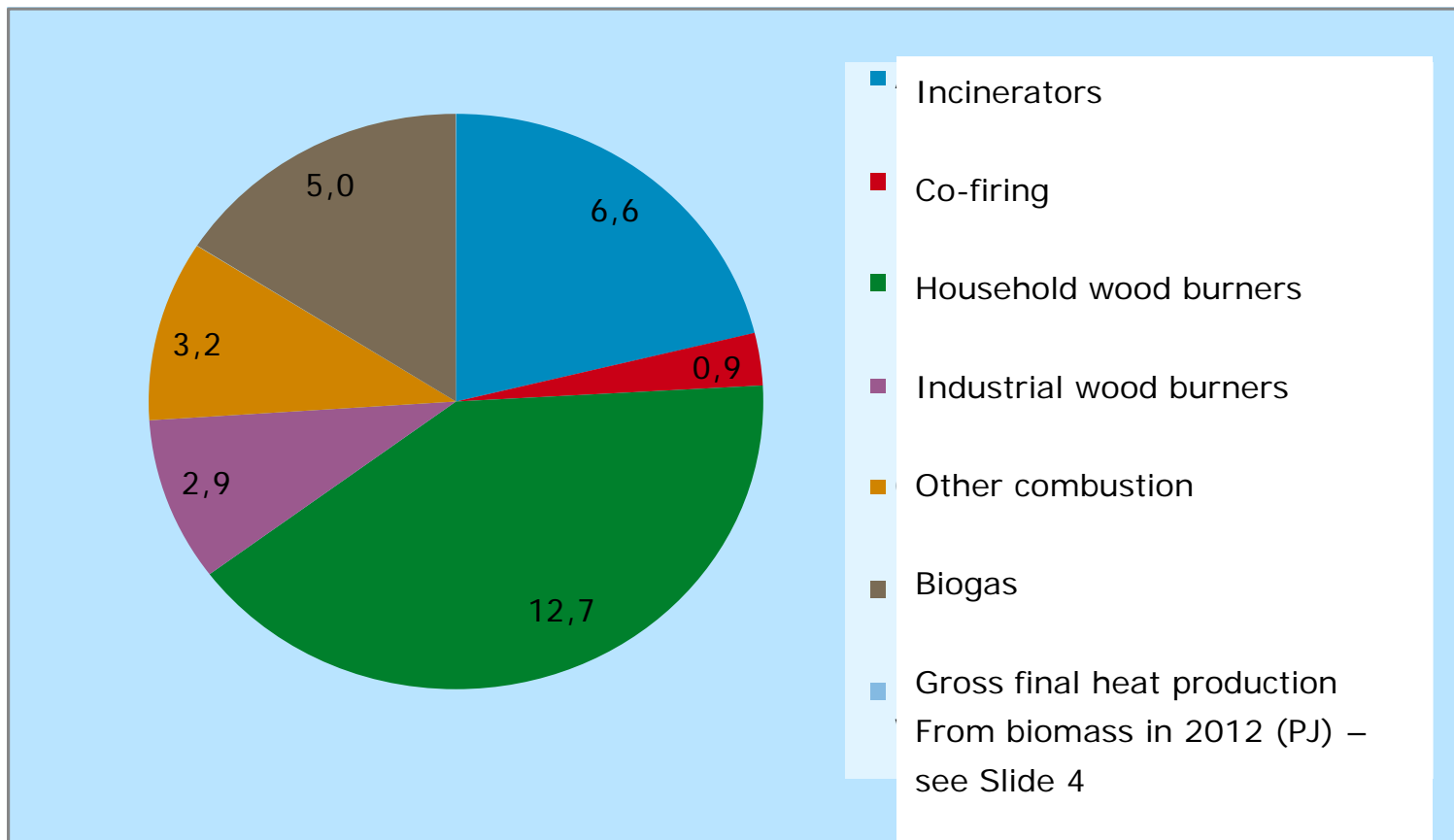


Gross final electricity production from Bioenergy (2012; PJ)



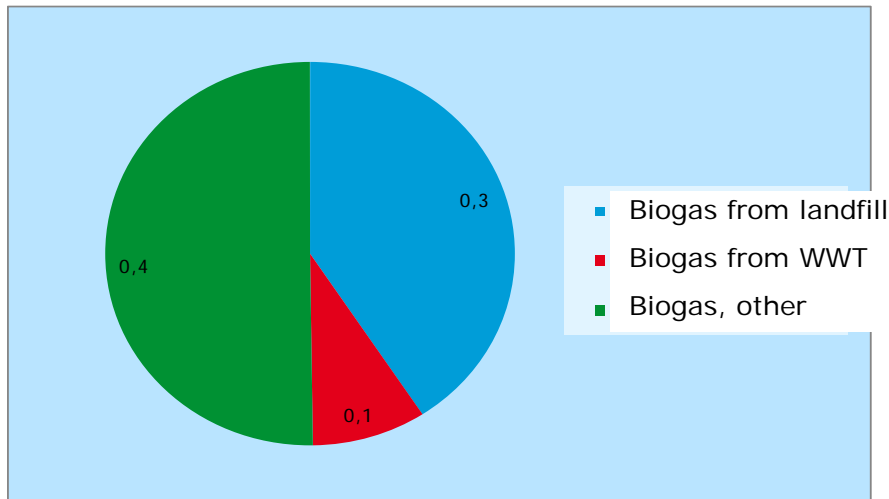


Gross final heat production from Bioenergy (2012; PJ)

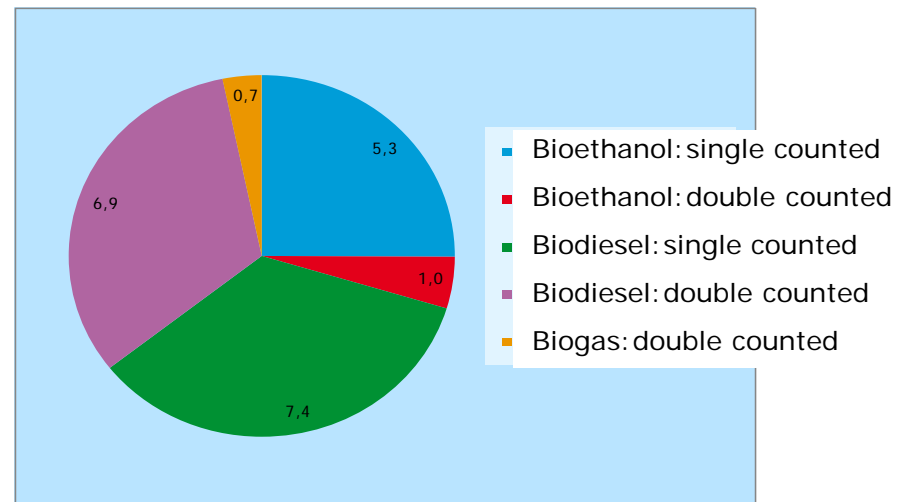




Indicational biogas upgrading to biomethane and contribution biomethane to biofuel obligation (PJ)



Biomethane production from biogas 0,8 PJ
2011



Biomethane contribution to the biofuel obligation; 2012



SDE+ support schemes 2013 (3 billion €); 6 different stages

Phase	Opening	Max. Electricity (€/kWh)	Max. Heat/CHP (€/GJ)	Max. Gas (€/Nm ³)
1	4 april	7	19,444	48,28
2	13 may	8	22,222	55,17
3	17 june	9	25,000	62,07
4	2 sept	11	30,556	75,86
5	30 sept	13	36,111	89,66
6	4 nov	15	41,667	103,45



Overview of filling stations for natural gas/green gas in NL: www.fuelswitch.nl



FUELswitch

maak de switch naar schone brandstoffen en aandrijftechnieken

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RIJDEN OP SCHONE BRANDSTOFFEN VOERTUIGEN KOSTEN TANKSTATIONS IN DE PRAKTIJK AGENDA CONTACT

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print

TANKSTATIONS NEDERLAND

Aardgas / Groengas

Tenzij anders aangegeven beschikken de getoonde tankstations ook over normale diesel en benzines

- [online lijst](#): Bekijk de lijst met aardgas / Groengas tankstations online.
- [pdf file](#): Download de pdf file met aardgas / Groengas tankstations.

TOMTOM

Voeg de locatie van alle tankstations direct toe aan je tomtom door de knop hieronder te gebruiken.



- [ov2 file](#): het is ook mogelijk een losse ov2 file te downloaden en later op uw tomtom te plaatsen. Deze bevat alle aardgas/ groengas tankstations.



De tankstations op deze kaart bieden **naast de reguliere brandstoffen** ook de aangegeven **schone brandstoffen** aan



Bioenergy in NL at: www.b-i-o.nl



Filter op geografie

Filter op type installatie

Installatietype:
[Dropdown menu: Alles]

Groen gas invoeding:
 Ja
 Nee
 Beide

Filter op vermogen

Filter op overig

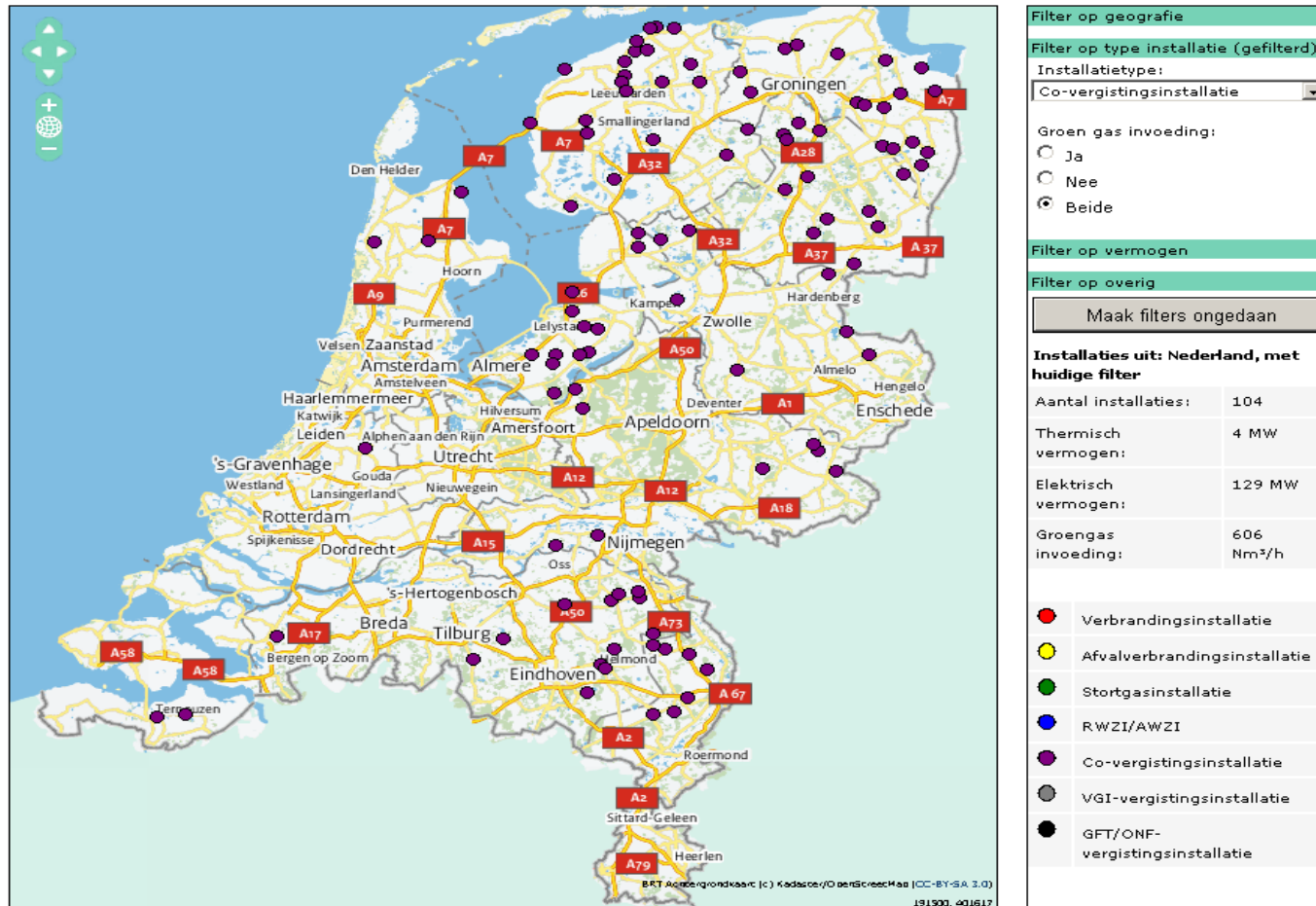
Installaties uit: Nederland

Aantal installaties:	484
Thermisch vermogen:	1.768 MW
Elektrisch vermogen:	1.439 MW
Groegas invoeding:	8.761 Nm ³ /h

- Verbrandingsinstallatie
- Afvalverbrandingsinstallatie
- Stortgasinstallatie
- RWZI/AWZI
- Co-vergistingsinstallatie
- VGI-vergistingsinstallatie
- GFT/ONF-vergistingsinstallatie



Co-digestion plants including biomethane production





RE production at waste water treatment plants (WWTP)



Filter op geografie

Filter op type installatie (gefilterd)

Installatietype:
RWZI/AWZI

Groen gas invoeding:
 Ja
 Nee
 Beide

Filter op vermogen

Filter op overig

Maak filters ongedaan

Installaties uit: Nederland, met huidige filter

Aantal installaties:	83
Thermisch vermogen:	7 MW
Elektrisch vermogen:	48 MW
Groengas invoeding:	295 Nm ³ /h

- Verbrandingsinstallatie
- Afvalverbrandingsinstallatie
- Stortgasinstallatie
- RWZI/AWZI
- Co-vergistingsinstallatie
- VGI-vergistingsinstallatie
- GFT/ONF-vergistingsinstallatie



Biogas upgrading plants at: www.b-i-o.nl



Filter op geografie

Filter op type installatie (gefilterd)

Installatietype: Alles

Groen gas invoeding:

Ja

Nee

Beide

Filter op vermogen

Filter op overig

Maak filters ongedaan

Installaties uit: Nederland, met huidige filter

Aantal installaties:	21
Thermisch vermogen:	5 MW
Elektrisch vermogen:	12 MW
Groengas invoeding:	8.761 Nm ³ /h

- Verbrandingsinstallatie
- Afvalverbrandingsinstallatie
- Stortgasinstallatie
- RWZI/AWZI
- Co-vergistingsinstallatie
- VGI-vergistingsinstallatie
- GFT/ONF-vergistingsinstallatie



Agentschap NL
Ministerie van Economische Zaken



Fact sheet

Green Gas Grids study tour 2013

From Monday the 17th until Thursday the 20th of June 2013 a green gas study tour will be organised. The tour is supported by the international programme Green Gas Grids (www.greengasgrids.eu), NL Agency and the Green Gas Green Deal. The tour will go along several companies engaged with green gas and installations in the Netherlands.

Purpose of the study tour is to demonstrate the latest developments in the production of Green Gas in the Netherlands and to share knowledge and experience of the Dutch industry and research organizations. This creates opportunities for doing international business to participants and to the companies that are visited.

The Green Gas Grids study tour will be a four day tour. In the morning several presentations will be held (by producers, research organizations and grid operators), followed by a lunch and plant visits in the afternoon. Divers kinds of (upgrading) technologies will be visited during the tour and we intend to include presentations about the latest developments in research, pretreatment of biomass, certification, etcetera. More information about the programme, the plant visits and presentations can be found on the website www.gggstudytour.nl



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