



Ministry of Economic Affairs

Manure: a valuable resource

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Polish delegation, Oss, 26 January 2017





Outline of the presentation

1. Fertilization in the Netherlands
2. Export processed manure
3. European Animal byproduct regulation
4. European fertilizer regulation





Fertilization in the Netherlands

- Livestock manure is the basis
- Both in grassland as in arable crops
- Trade of livestock manure is therefore important





Transport regulation

National

- Automatic registration of loading and unloading (GPS, date and time available to authorities)
- Document must accompany the load
- Loads must be weighed, sampled and analyzed for Nitrogen and Phosphate

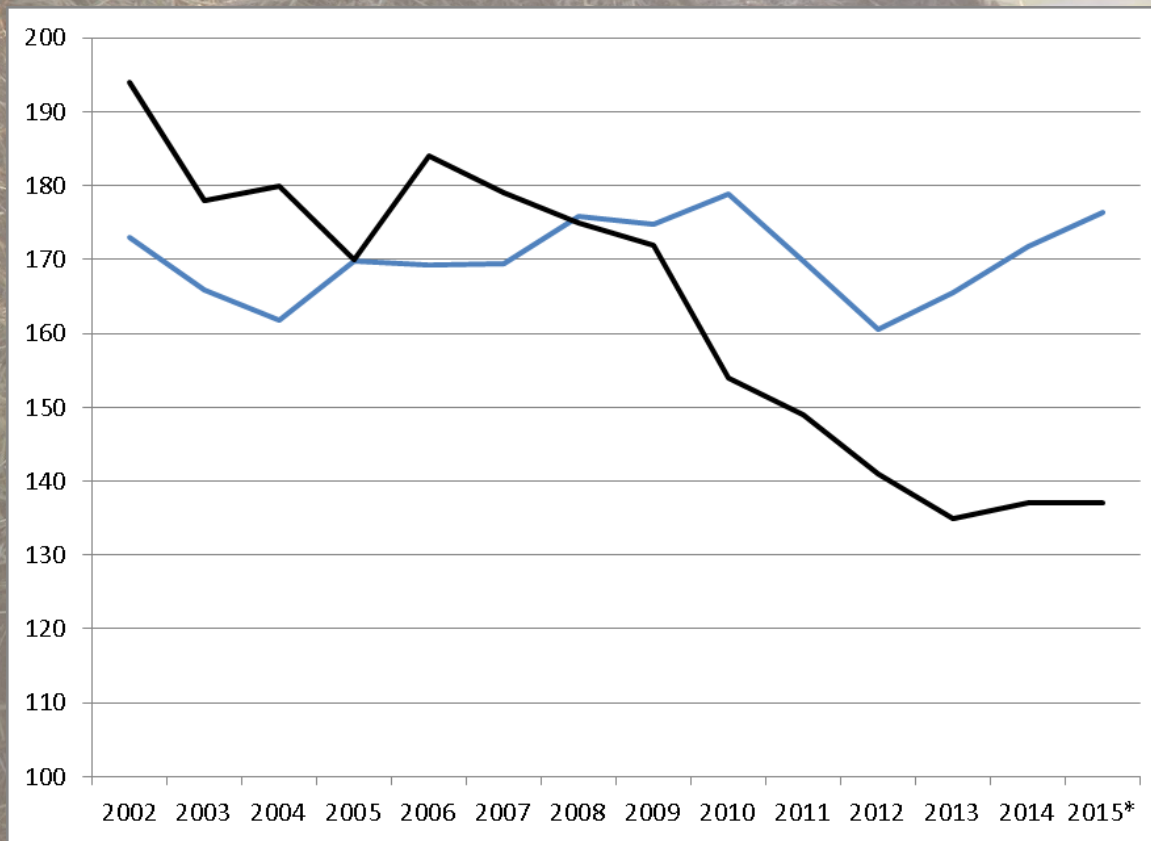
Intra EU trade

- National requirements
- Animal by-product regulation (1069/2009 and 142/2011)





Manure production vs use in Netherlands



Structural
Surplus



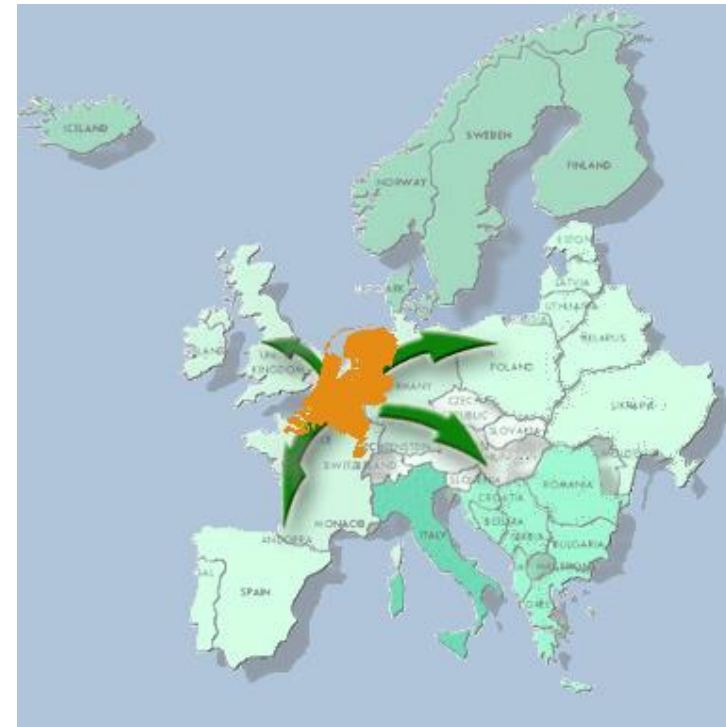
Manure processing

Goal: Place part of the Dutch animal manure outside the Dutch agriculture.

Examples:

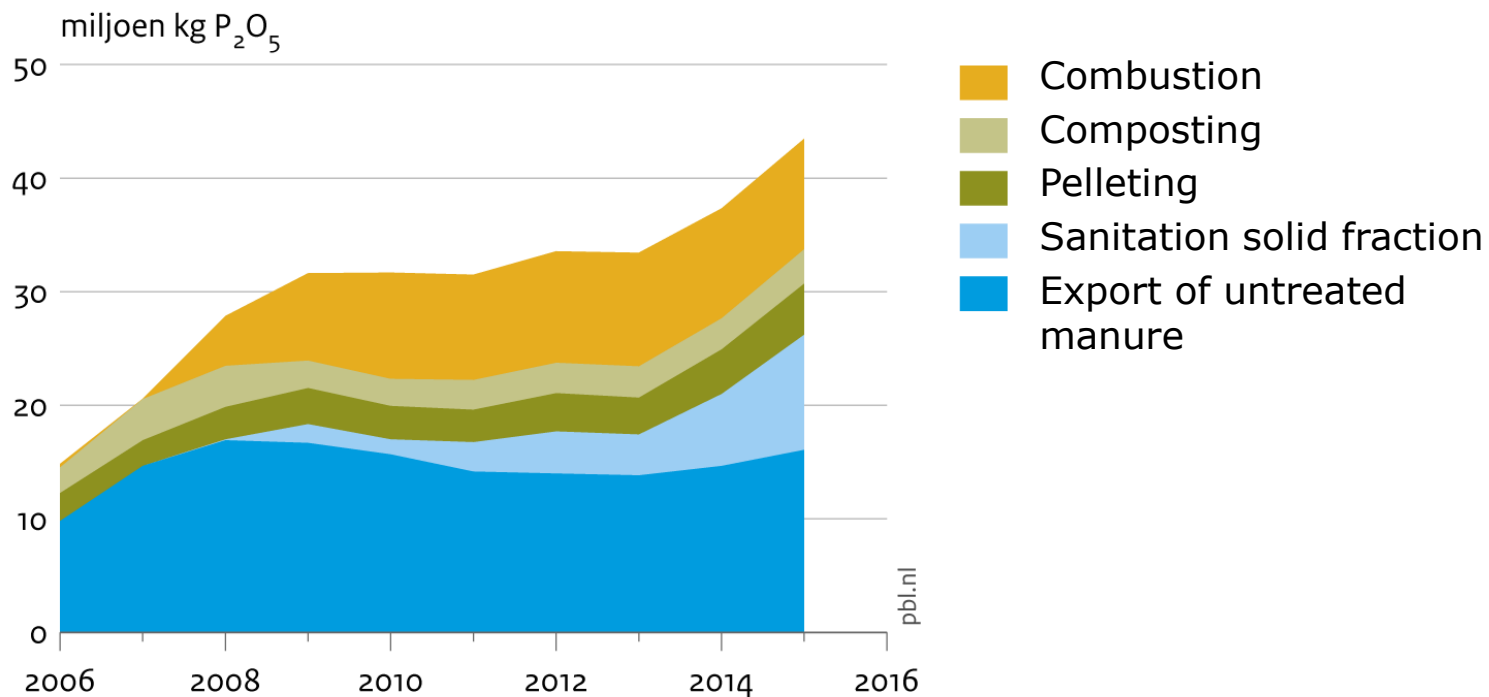
- Separating
- Drying
- Pasteurization
- Combustion

} Export





Processing of manure



Bron: CBS; bewerking PBL



Incineration



Pelleting



Composting

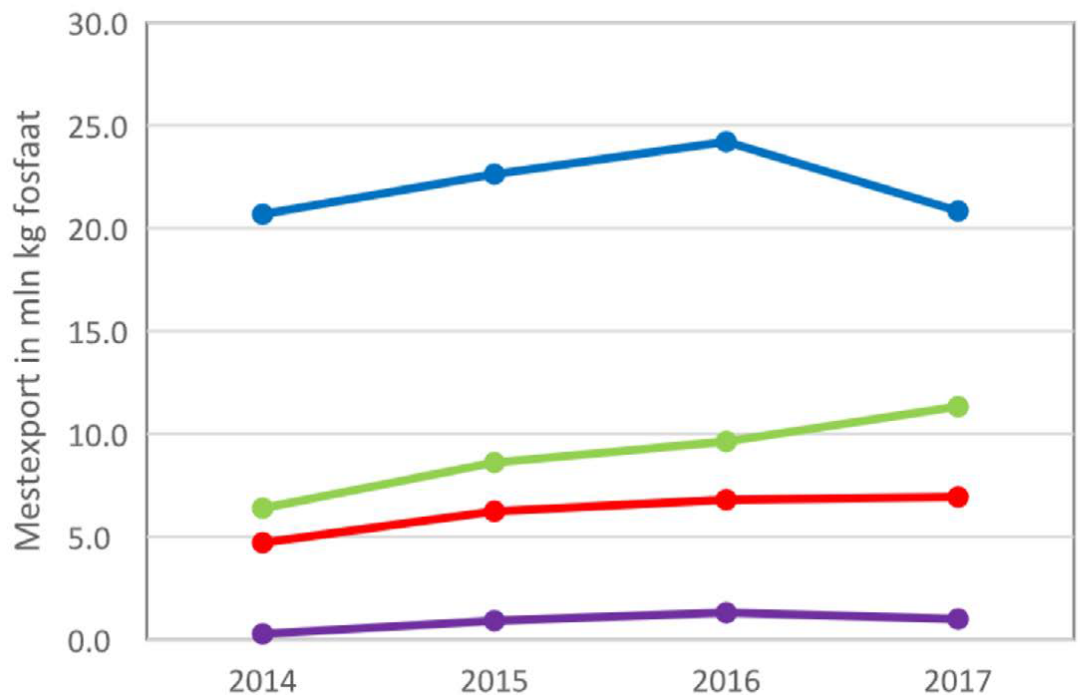

T PRODUCTS



Digestion



Export of livestock manure



- Germany (DE)
- France (FR)
- Belgium (BE)
- Other countries

Export of livestock manure
(million kg P2O5)



Clean and healthy products

- Livestock manure is distributed to EU-member states or 3rd Countries under Animal byproduct regulation (EU 1069/2009 and EU 142/2011)
- Prevention of (animal) diseases is essential
- Sanitation by heating (bv 1h - 70°Celsius or alternative method).
- Netherlands Food and Consumer Product Safety Authority (NVWA)
- List of approved plants handling animal byproducts –category 2
- Process is authorized by NVWA
- Load is weighed and samples are analyzed for Nitrogen and Phosphate (NL)





Animal byproduct regulation

- Organic fertilisers shall only be traded with if they meet the following criteria:
 - ✓ are made from category 2 or 3 material
 - ✓ are produced according to the rules of pressure sterilisation or a comparable treatment. Installations receive NVWA-recognition
 - ✓ come from registered production facilities
 - ✓ are produced in accordance with the conditions for pressure sterilization or with other conditions to prevent risks arising to public and animal health (Art 32 of EG 1069/2009).





Export regulation

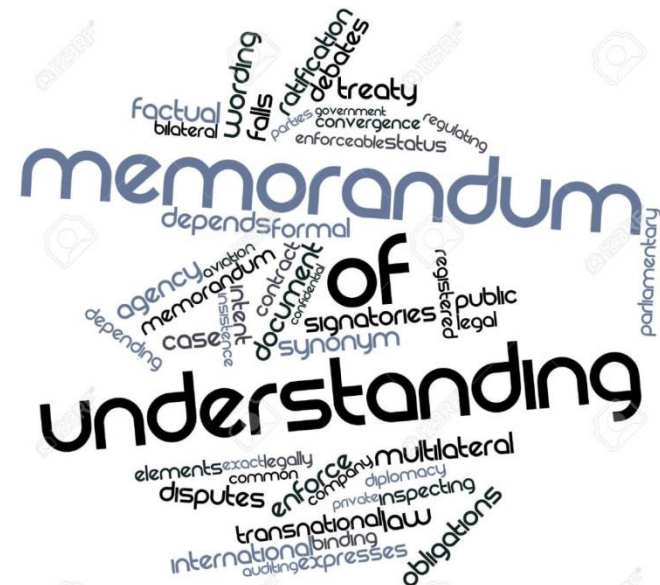
- Trade document, Annex III, EU-regulation nr. 142/2011
- Transport vehicle is cleaned and disinfected before loading on a certified truckwash
- Exporters apply for export documents at least 12 hours before export
- Exports are registered in the CLIENT-system
- Exports are accompanied with export documents and trade document and a national transport document for livestock manure
- During transport these documents are present for controls
- Export none-processed manure also accompanied with health certificate and registered in Traces
- 3rd countries just processed manure





Memorandum of Understanding

- Control and enforcement on export outside national borders is limited
- The NL Government is willing to share information with control bodies in other member states about livestock manure exports with the aim of information exchange and mutual understanding.
- In recent years we made a MoU with;
 - ✓ Flanders (BEL)
 - ✓ Nord-Rhein Westphalen (GER)
 - ✓ Niedersachsen (GER)
 - ✓ Sachsen-Anhalt (GER)





European Fertilizer Regulation

- Revision of Fertilizer Regulation Europe (EU 2003/2003) completed
- Currently only chemical fertilizers
- Include also organic fertilizers

- Harmonisation of the rules for trading fertilizers through the Union

- NL government is supporting the new regulation with clear rules for organic fertilizers.





Substitution of chemical fertilizer

Next step: Closing the loop

Products derived from manure processing should replace chemical fertilizer

At first, liquid fractions from livestock manure are suitable

- Little organic matter
- Contain N and K_2O

These products will be discussed
In the upcoming JRC-report:
SAFEMANURE





Discussion and questions

- Any remarks or questions?

