

Circular Agricultural Day

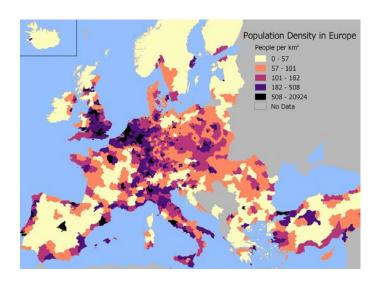
Nederlands Centrum voor Mestverwaarding (Dutch Center for Valorisation of Manure)



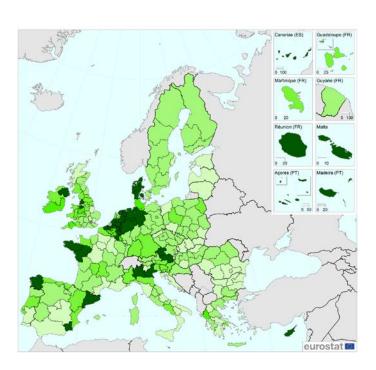
Jan Roefs MSc MBA



About manure in the Netherlands...



Population density



Livestock density



Many anim ls

IV: livestock

I: Deltas



Many people



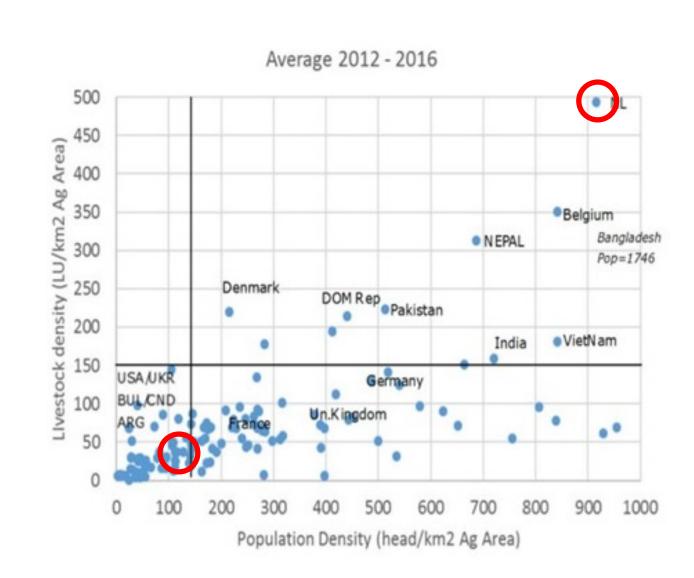
III: Arable areas

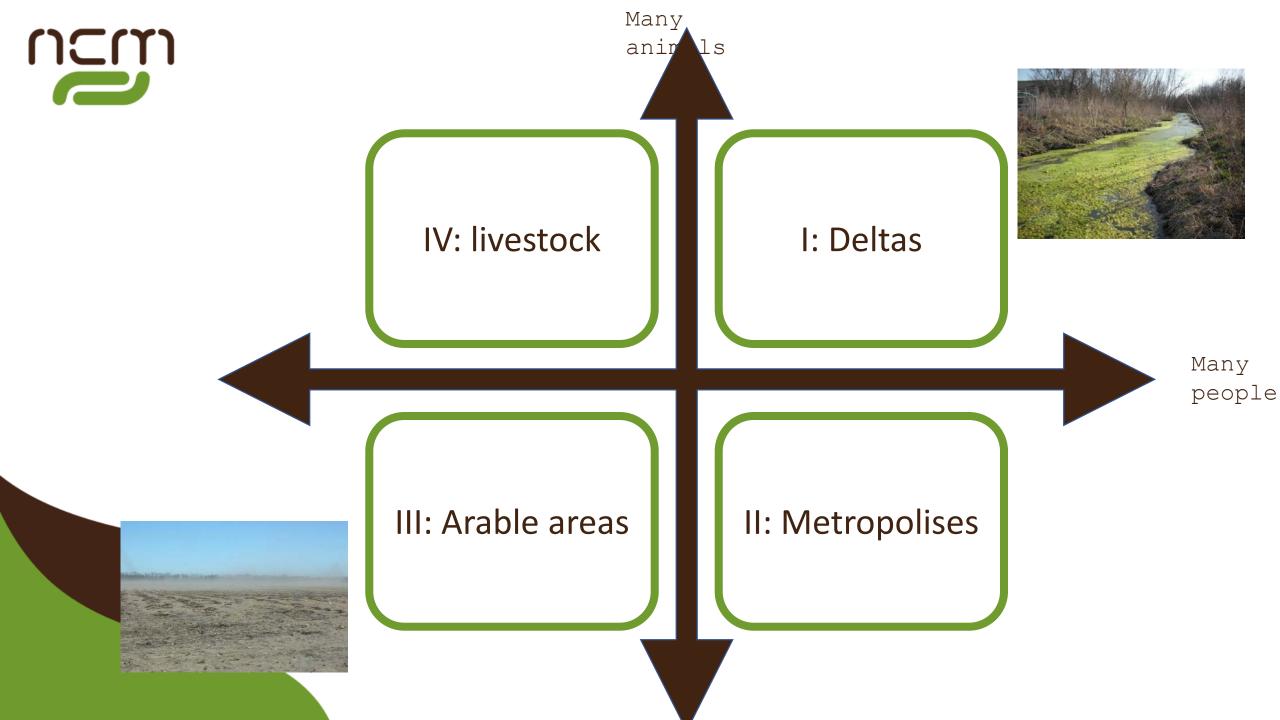
II: Metropolises





Poland vs the Netherlands

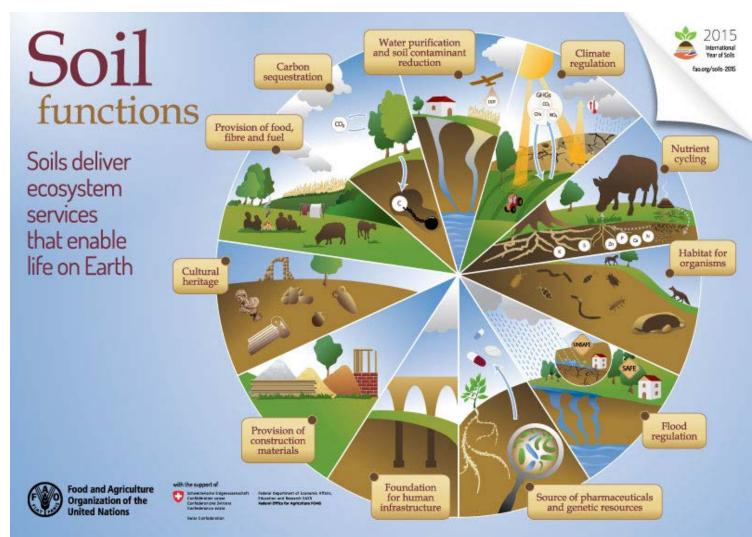






Soil quality is key...







For soil quality, organic matter is key





The rol of manure...

- Supply of a full range of nutrients
- Improving soil quality by supply of essential organic matter
- Further improvement of soil quality by better plant g







Dutch policy regarding manure

• Protect the environment and nature

• Closing nutrient cycles

• Keep a strong agricultural s





Regulations regarding manure

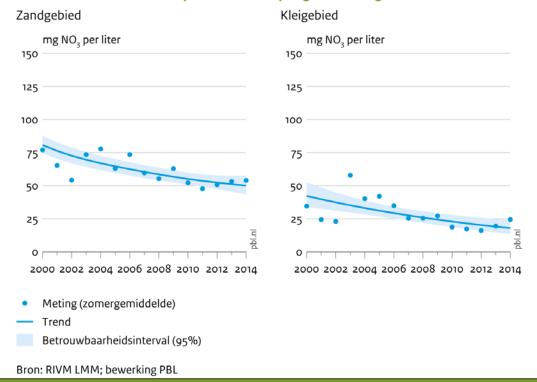
- Quantity of N and P
- Quantity, period and way of application of manure
- •Other obligations for crop and soil management
- Regulation about the trade and manure
- Maximum number of animals (per
- Mandatory manure treatment



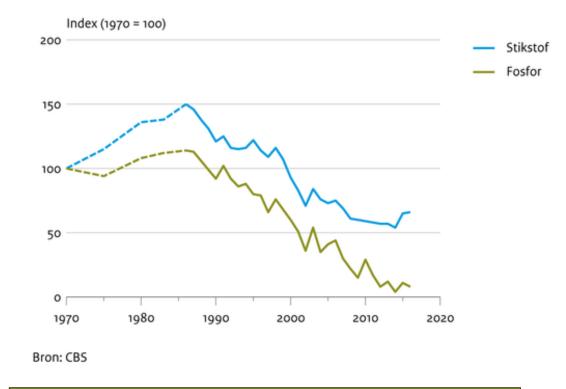


Nitrate and phosphate

Nitraatconcentratie in uitspoelend water per grondsoortgebied



Nutriëntenoverschot in landbouw



National surplus N and P

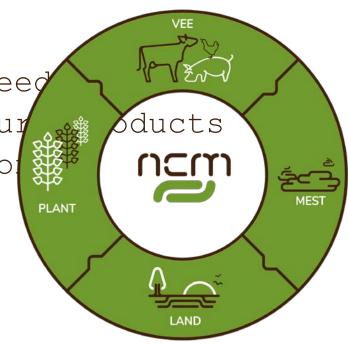
Nitrate concentrations in

surface water



NCM: Dutch Center for valorisation of manure

- Started in 2018
- Collaboration between government, agribusiness and knowledge institutes
- Tasks:
 - Knowledge center
 - Set up and facilitate the projects need
 - Support of value driven sales of manua
 - Promote collaboration and coordination





Thank you for your attention!

Tip: come to

Manu
RE

Source



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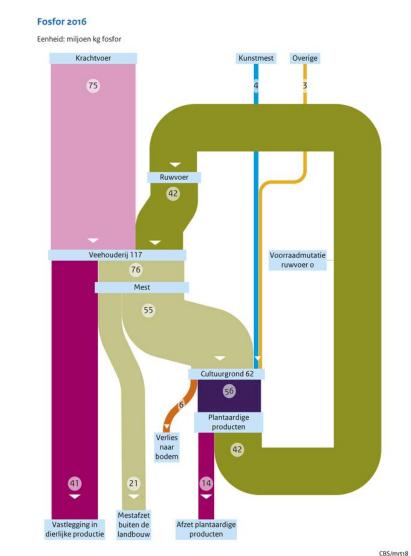
www.mestverwaarding.n







Dutch phosphate balance



2,29 kg P = 1 kg P_2O_5

www.clo.nl/nloog517