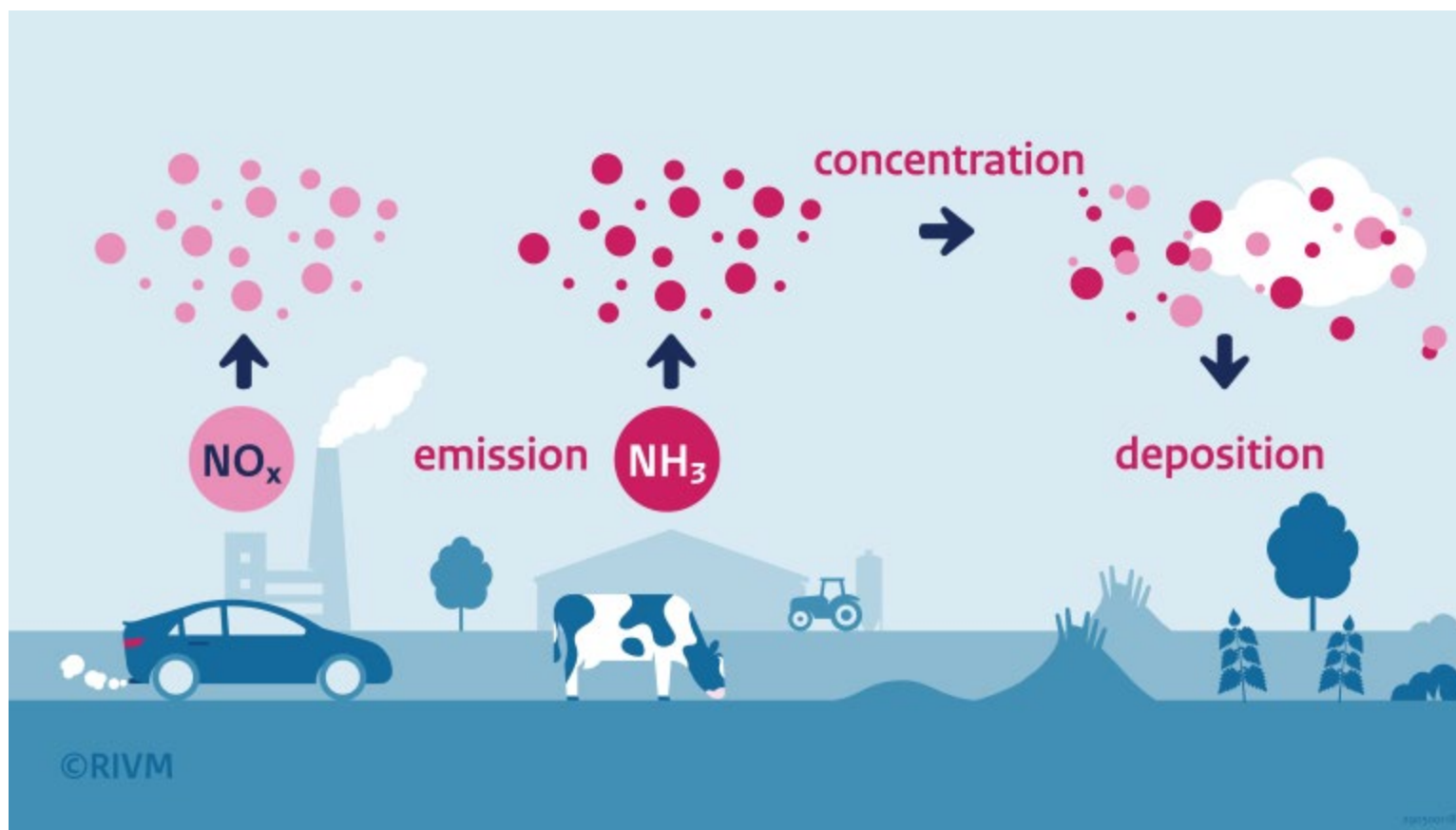


The nitrogen crisis

“my take on it”

The essence of the problem...



Why is this a problem?

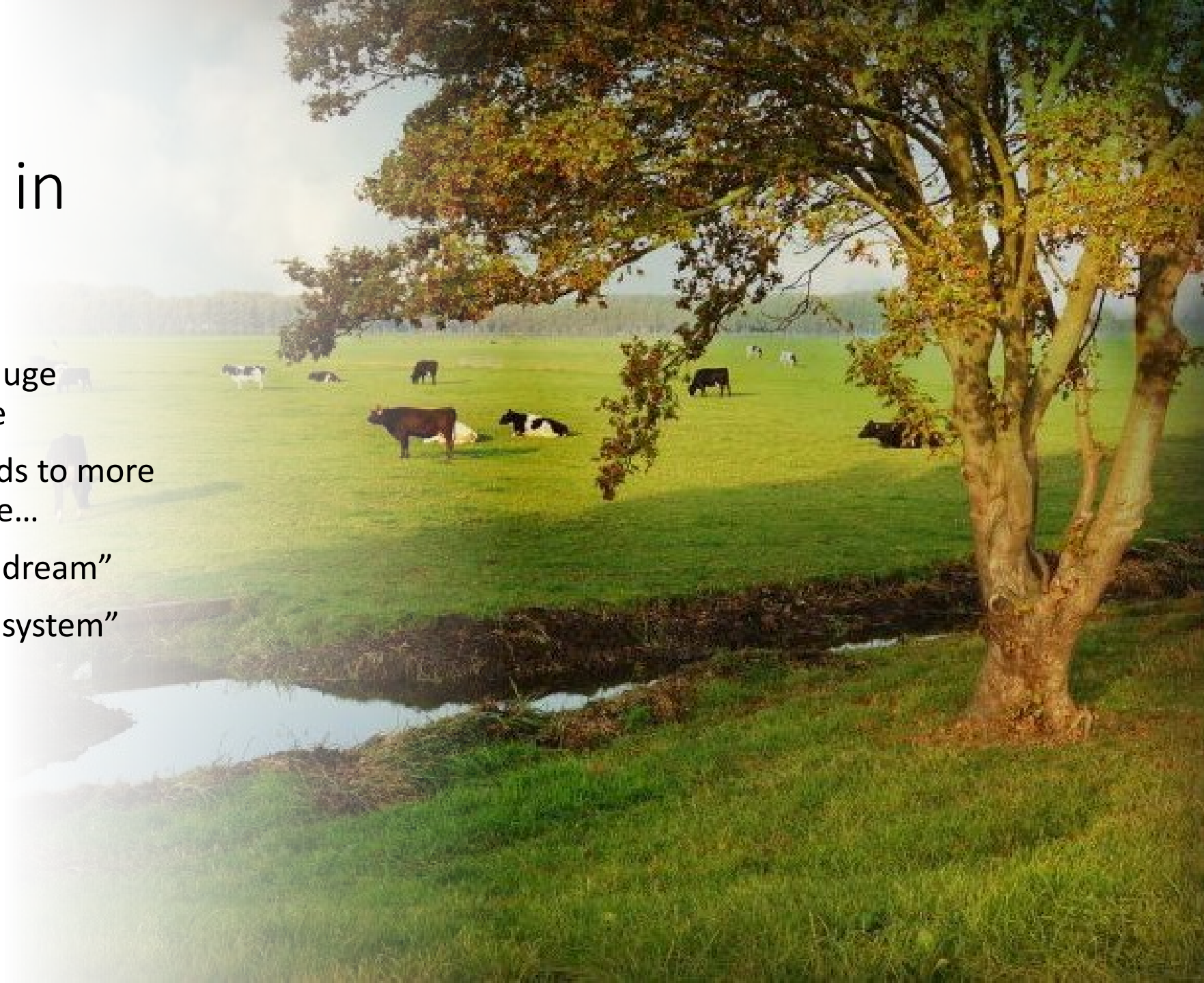
- Biodiversity loss
 - Increased vulnerability to droughts, flooding, plagues (plants/insects)
 - Loss of food production capacity
 - Contribution to climate change (vicious circle)
 - Health problems (asthma, COPB, allergies)
-
- EU regulations
 - Dutch laws/regulation
 - Lock-in (housing, roads, infrastructure (electricity system), etc.)

Why especially in the Netherlands?

- Highest number of livestock per square meter/inhabitant
- Competition for space *and* nitrogen “rights”
- Our history/culture

History of the nitrogen crisis in a nutshell

- Rebuilding after WWII > huge investments in agriculture
- Success of agriculture leads to more investments leads to more...
- Reinforced by “the Dutch dream”
- Reinforced by “the Dutch system”



Stakeholders involved...

farmers

agricultural
industry

banks

the planet

politics

judges

citizens
voters
consumers

NGOs

EU

society

society

Homework for next week!

Challenge: Design and development 'beyond sustainability'



You are invited to....

-listen to a podcast about building a regenerative house in the Pyrenees. (*The first 27 mins is sufficient; 62 mins in total*):

<https://chooselatitude.com/ecological-journal/the-regenerative-way-with-emmanuel-pauwels>

- ...watch a short clip about living in a biophilic community (*approx. 4 mins*):

<https://www.wevideo.com/view/3793561144>