

THE GARDEN OF INTERSECTION

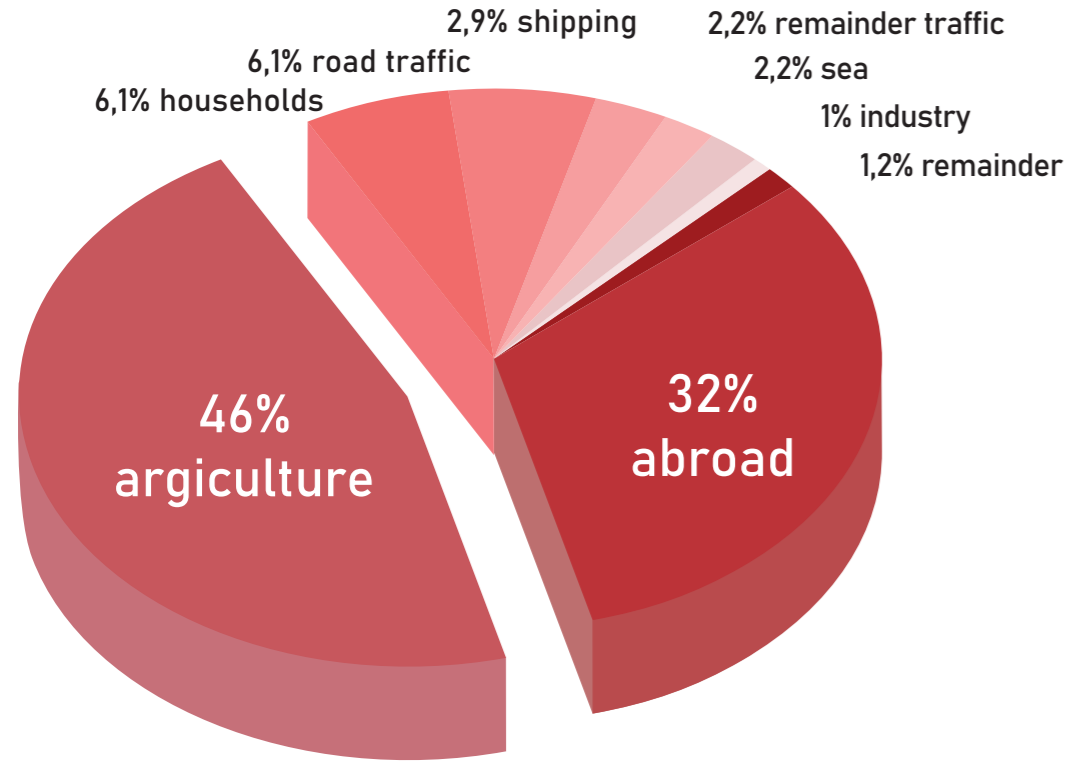
NITROGEN IN RURAL BORDER AREA

Teun Vosters, Crossing Borders 2020

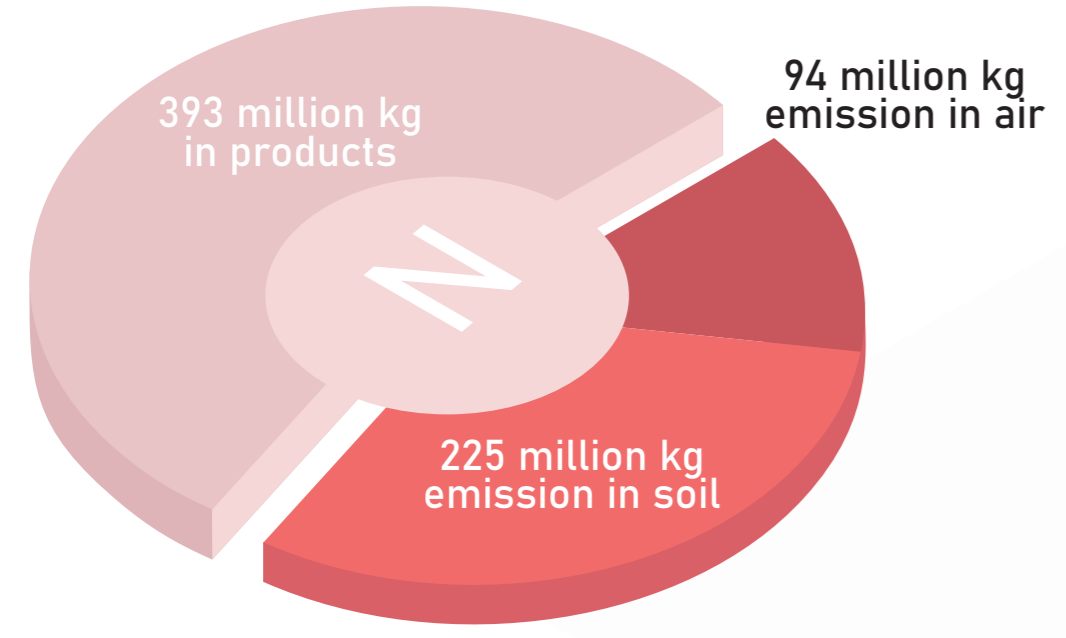
Project statement
 The last years there was a lot of discussion and commotion about nitrogen emissions. This international issue influences the quality of life for man. As well on the ecological and biodiversity in the (near) environment of the farms. At the countryside is intensive livestock the main reason of nitrogen and ammonia emission. Ammonia stays in the air for only a few hours and usually returns to the ground within a few miles. Because of farms locations ammonia en nitrogen ends up in nature or nature reserves. This is also happens in our research area in and around border region Campina. In this region is on both sides of the border place for intensive livestock. Yet both countries differ in approach. On Dutch side there regulations are getting more strict. The consequence is that Dutch farmers moved just a cross the border and build mega stables. Sometimes only a few meters from the border. But ammonia and nitrogen is not limited to the border.

Concept
 The most of the time are farmers are located in remote and quiet places. But in big contrast ammonia and Nitrogen makes the surrounding around a farm to a no-go area. To take over these farms to become an interesting place I will places them in the garden. The garden a place to be. The garden is also an enclosed piece of land or terrain. Strictly regulated by human being. Where a composition is made of spices and spatial interventions. Based on different rules and laws the garden is formed by three measuring instruments. By placing technical instruments around the mega stable on a grid, emission will be measured around the farm. The tree stages of measuring, by wind, by amount of particles and accumulation dictated the futuristic garden. The border in between is the zip lock in between. It symbolized the difference and where the interventions will be happend. By placing 5 types of follies on the intersection of the measuring grid their arises a path trough the garden. With place for research to nitrogen and ammonia in one of those follies. In The Garden of intersection is nitrogen part of the rural border area but there is also space for change.

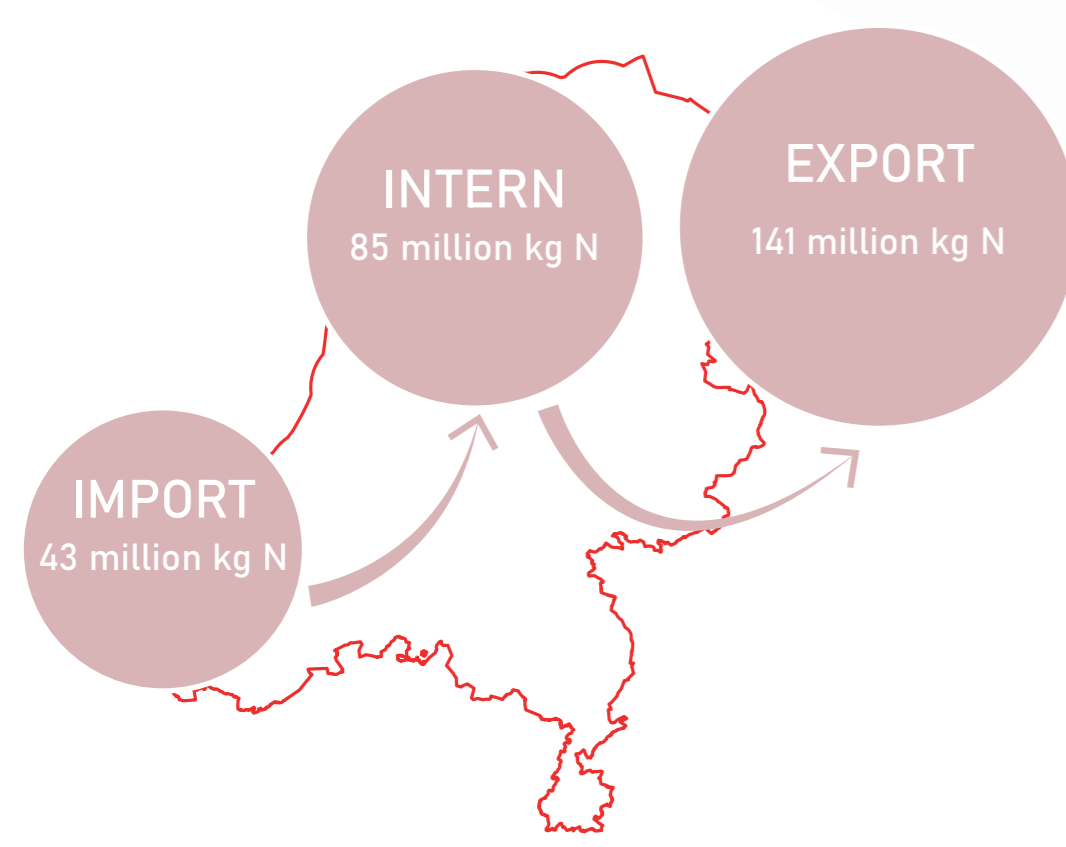
NITROGEN SOURCES IN THE NETHERLANDS 2019



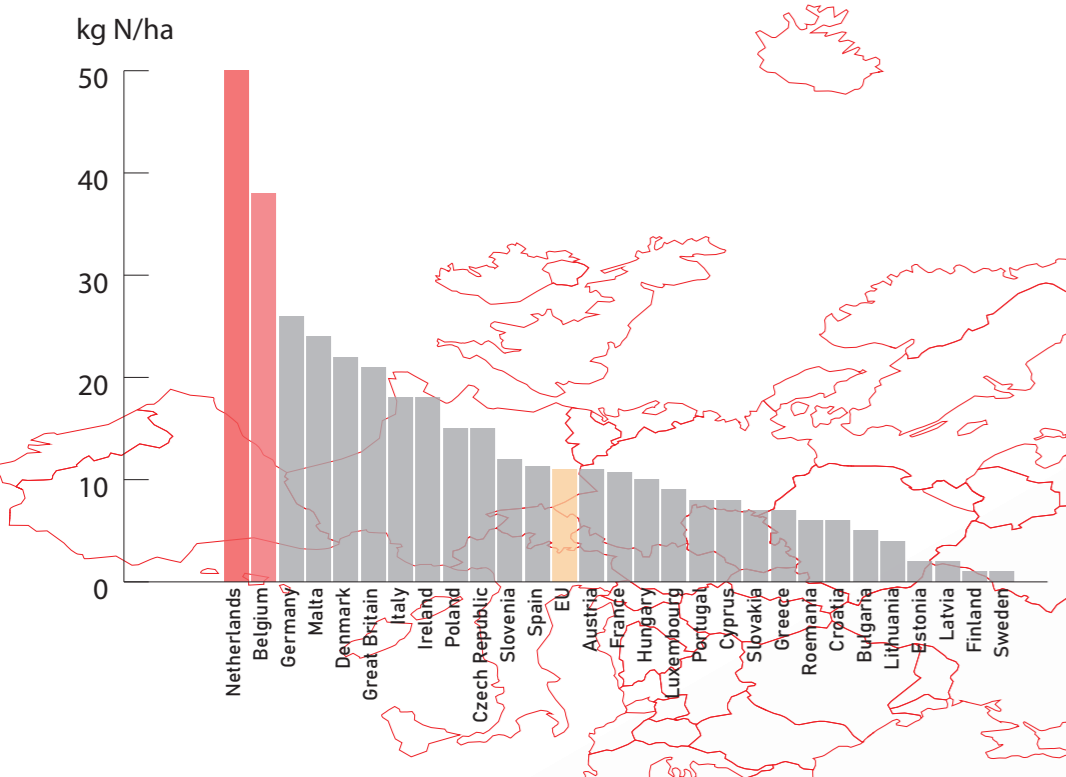
NITROGEN IN THE NETHERLANDS 2019



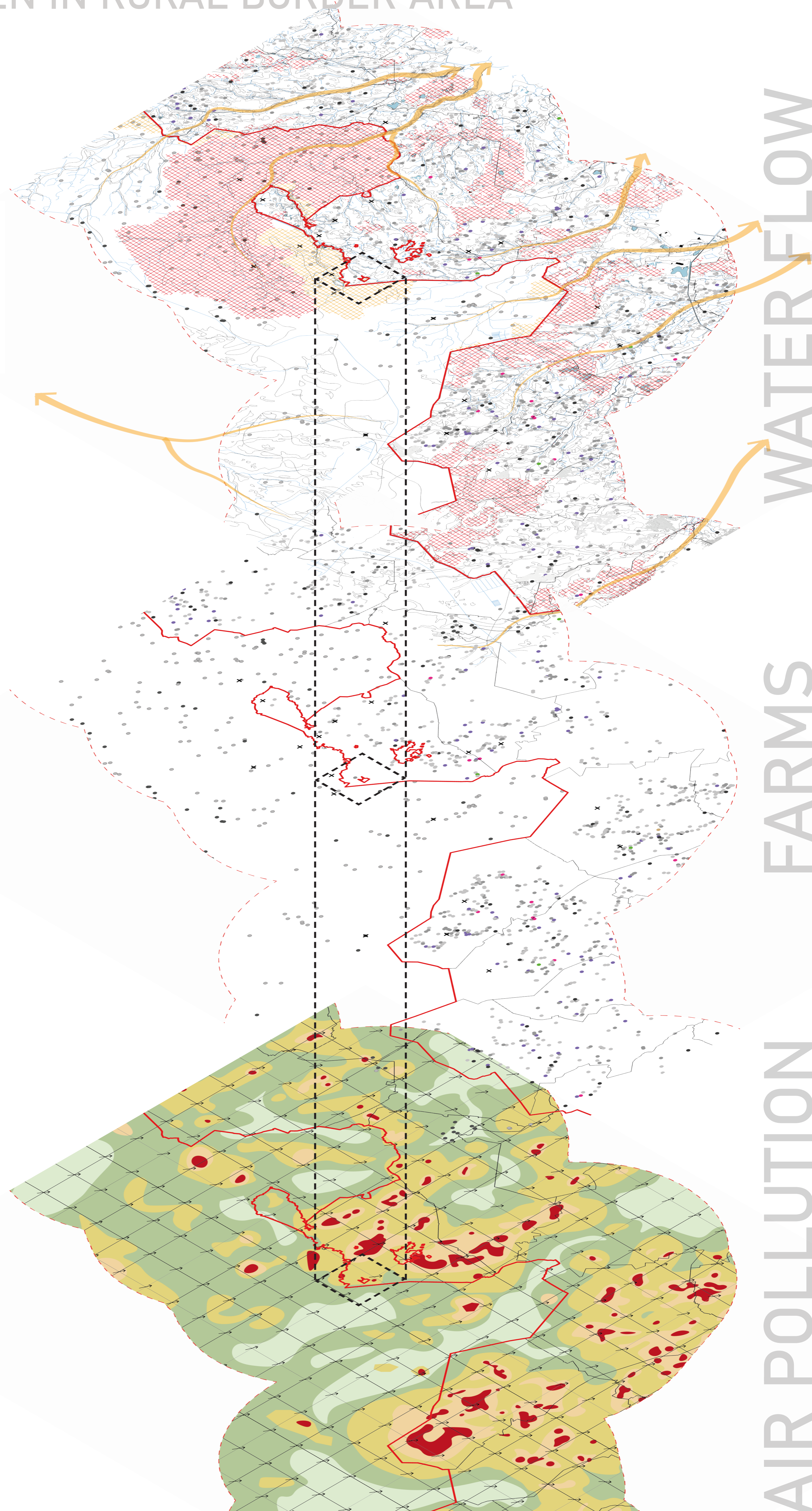
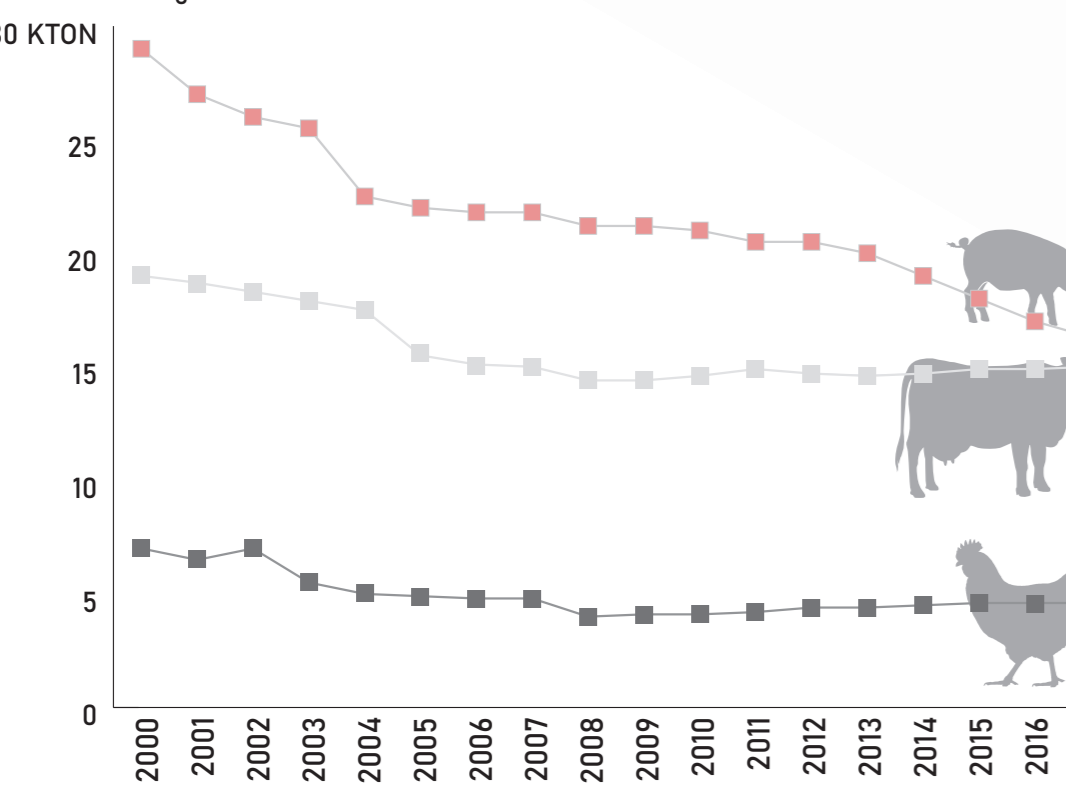
IMPORT AND EXPORT OF NITROGEN IN THE NETHERLANDS 2019



NITROGEN EMISSION PER HA PER EU COUNTRY



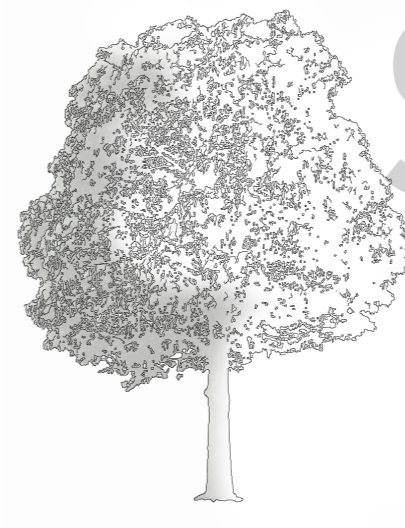
NH₃ EMISSION PER SPECIES



WATER FLOW

FARMS

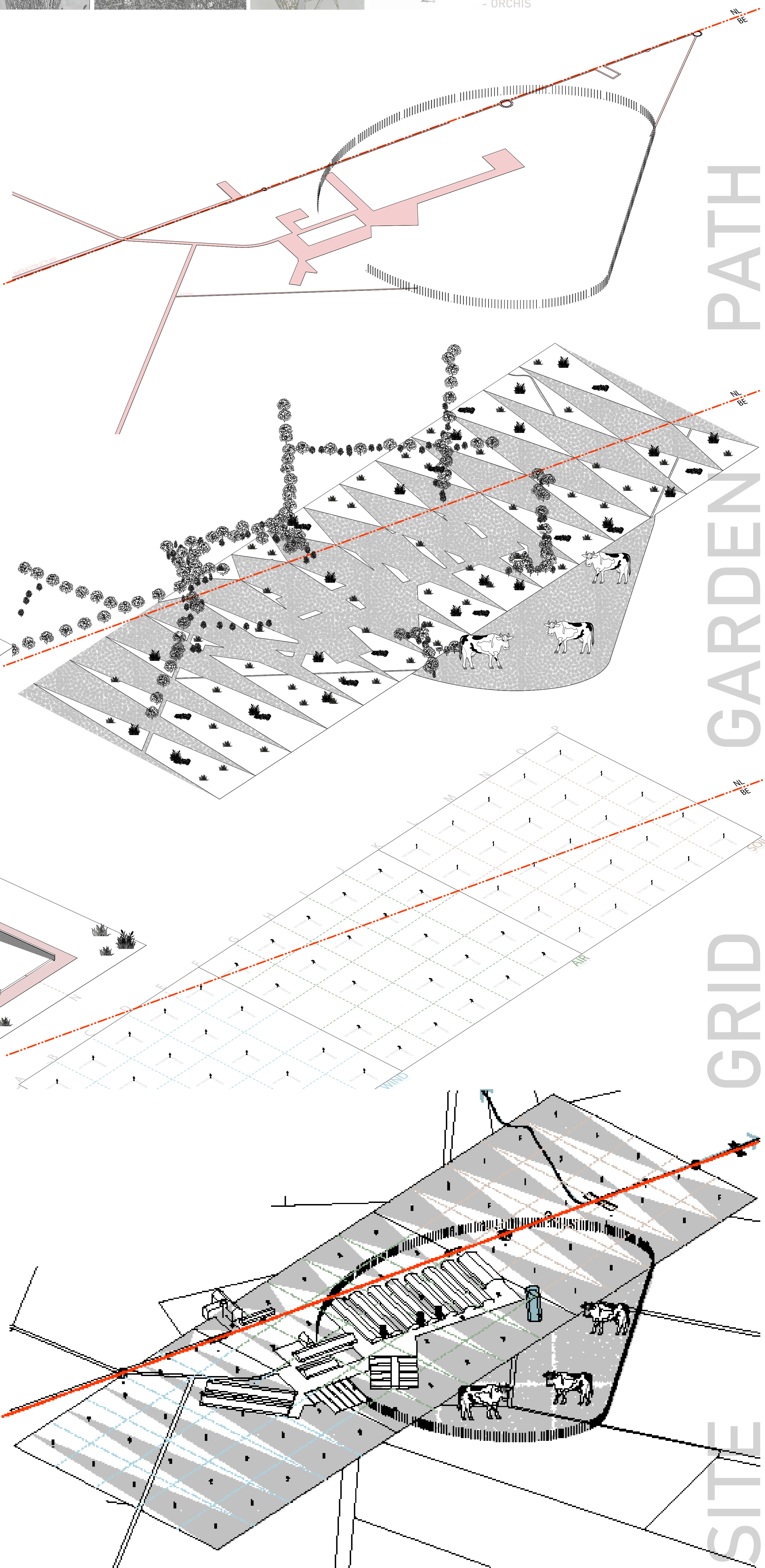
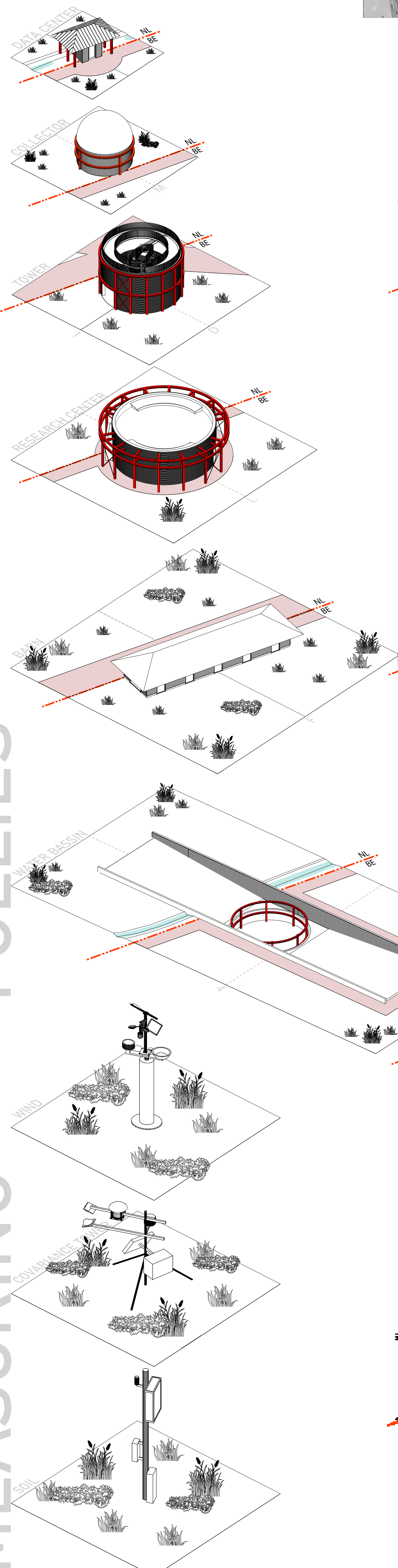
AIR POLLUTION



SPIECES

- WEEDS
 - PIJPENSTROOTJE
 - GRASS
 PLANTS
 - BEENBREEK
 - ORCHIS

- LARGER BIODIVERSITY
 - OAK
 - ORCHIS



FOLLIES

MEASURING

