

Danish Nitrogen Mitigation Assessment:

- Research and Know-how for a sustainable, low-Nitrogen food production

dNmark
research alliance

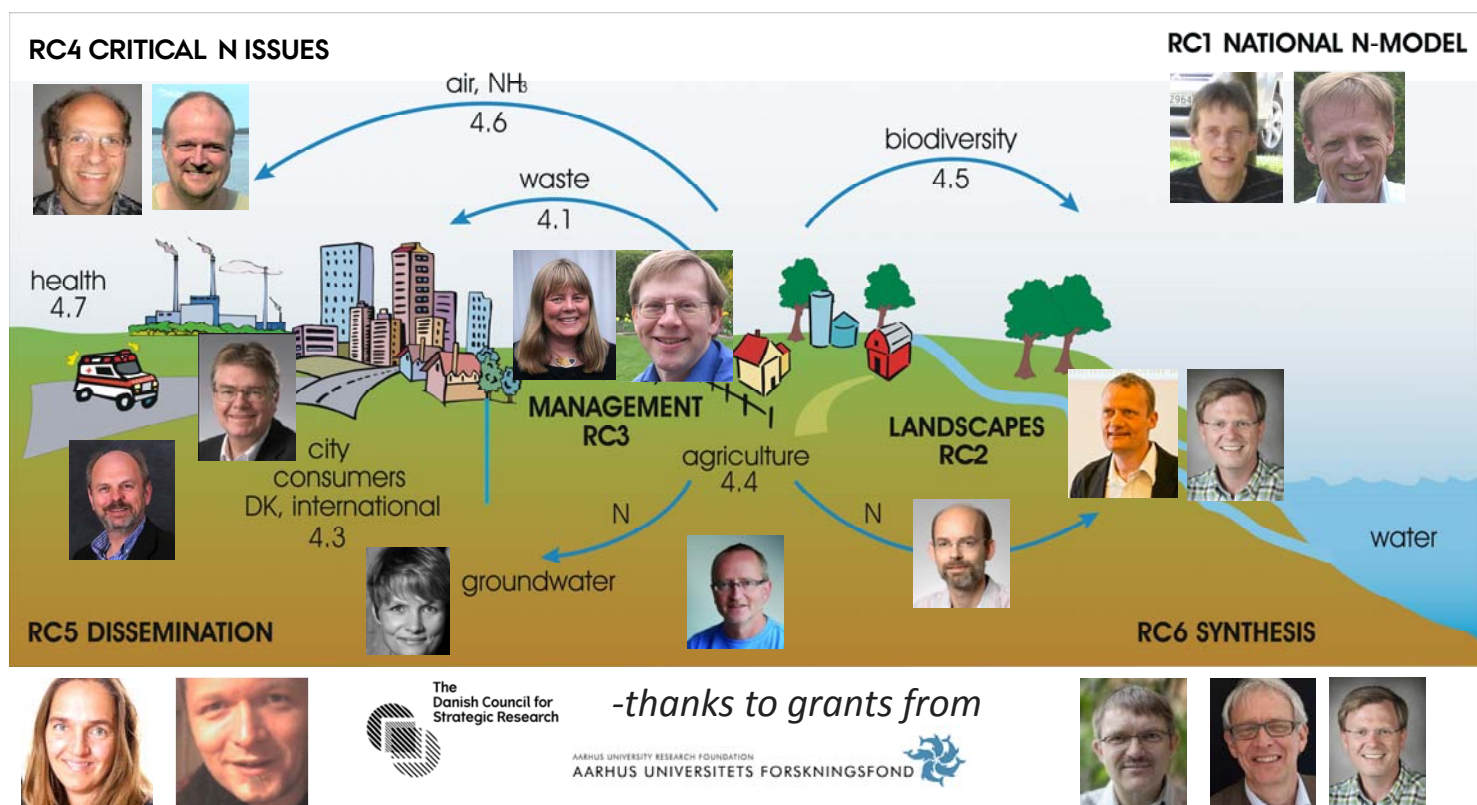


- A multidisciplinary research alliance (2013-2017) focusing on the quantification of Nitrogen (N) flows and solutions scenarios for a more sustainable N use in Denmark

By T Dalgaard^a, S Brock^b, B Hansen^c, B Hasler^d, O Hertel^d, N Hutchings^a, B Jacobsen^e, C Kjeldsen^a, B Kronvang^f, JE Olesen^a, JK Schjørring^g, T Sigsgaard^h, L Stoumann Jensen^g, H Vejreⁱ, W de Vries^j, and IA Wiborg^k

- a) Aarhus University, Department of Agroecology. Blichers Allé 20, DK-8830 Tjele, Denmark.
- b) Aarhus University, Department of Culture and Society. Jens Chr. Skous Vej 7, DK-8000 Aarhus C, Denmark.
- c) Geological Survey of Denmark & Greenland – GEUS. Lyseng Allé 1, DK-8270 Højbjerg, Denmark.
- d) Aarhus University, Department of Environmental Sciences, Frederiksborgvej 399, DK-4000 Roskilde, Denmark.
- e) University of Copenhagen, Department of Food and Resource Economics. Rolighedsvej 25, DK-1870 Frederiksberg C, Denmark.
- f) Aarhus University, Department of Bioscience. Vejløvej 25, DK-8600 Silkeborg, Denmark.
- g) University of Copenhagen, Department of Plant and Environmental Sciences. Thorvaldsensvej 41, DK-1871 Frederiksberg C, Denmark.
- h) Aarhus University, Department of Public Health, Bartholin Allé 2, 8000 Aarhus C, Denmark.
- i) University of Copenhagen, Dept. Geosciences and Natural Resource Management. Rolighedsvej 20, DK-1858 Frederiksberg C, Denmark.
- j) Wageningen University, Alterra. Droevendaalsesteeg 4, 6708PB Wageningen, The Netherlands.
- k) Knowledge Centre for Agriculture. Agro Food Park 20, DK-8200 Aarhus N, Denmark.

- We conduct research and develop solutions for different aspects of the N cycle, including six Research Components (RC1-RC6), a series of PhD and post-doc projects, and a close collaboration with more than 40 private and public innovation partners.



- Results are synthesized into three solution scenarios:

- 1) New production chains with a more effective nitrogen utilisation and recirculation.
- 2) Geographically targeted measures based on local intelligent management and planning.
- 3) New consumption patterns resulting in altered land use and nitrogen circulation.

- Contact tommy.dalgaard@agrsci.dk or read more from www.dNmark.org:

dNmark
research alliance

