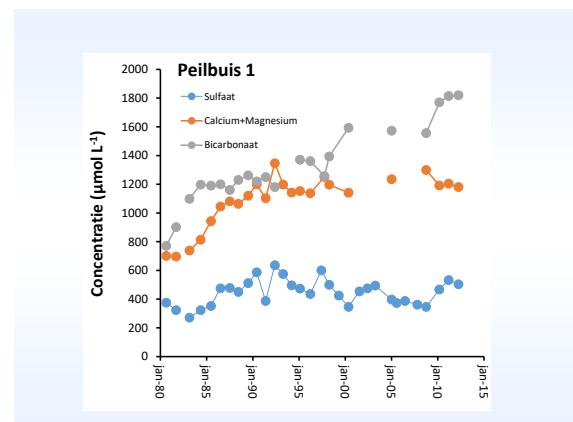
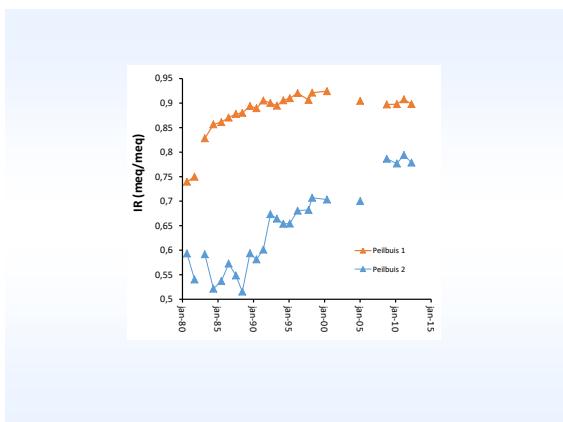
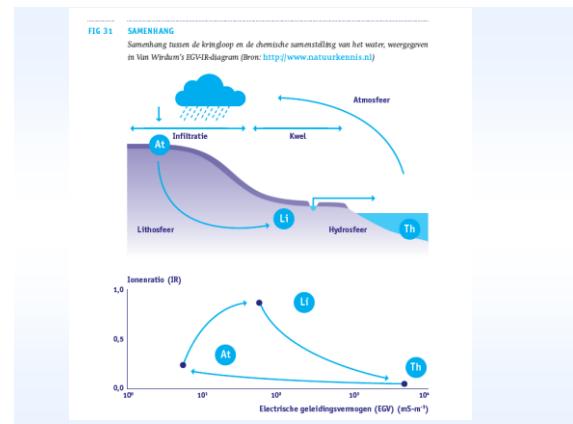
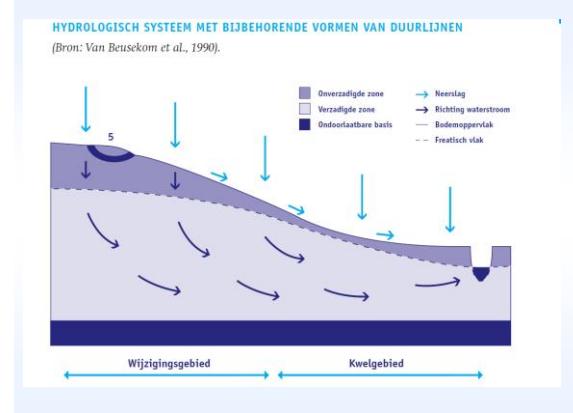


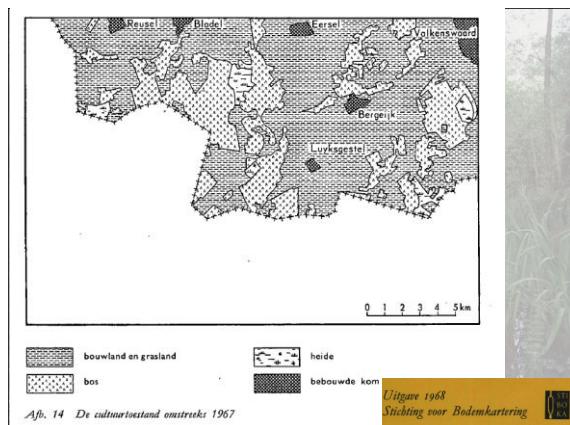
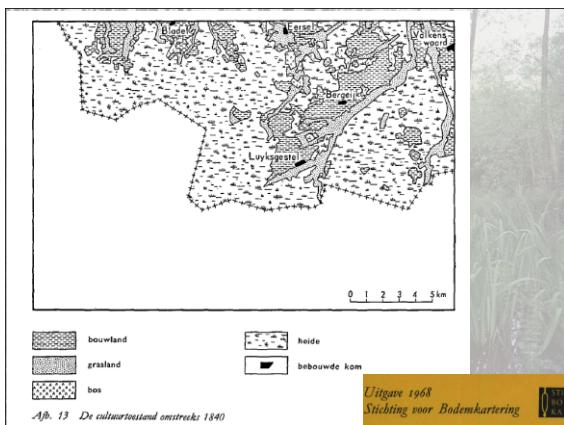
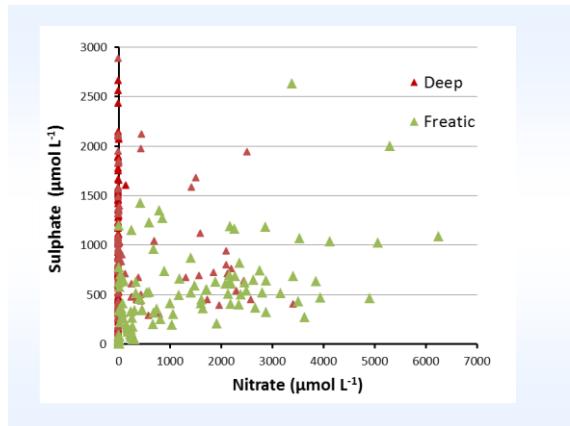
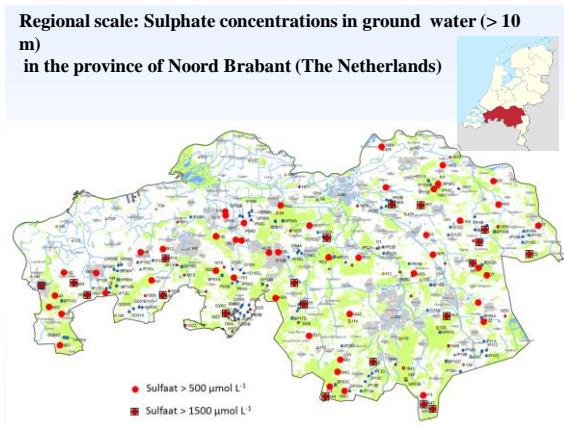
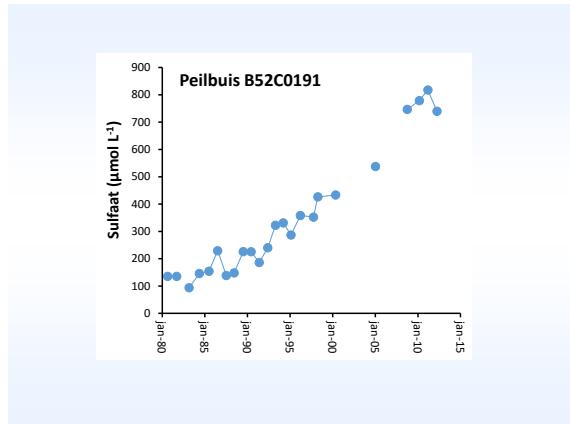
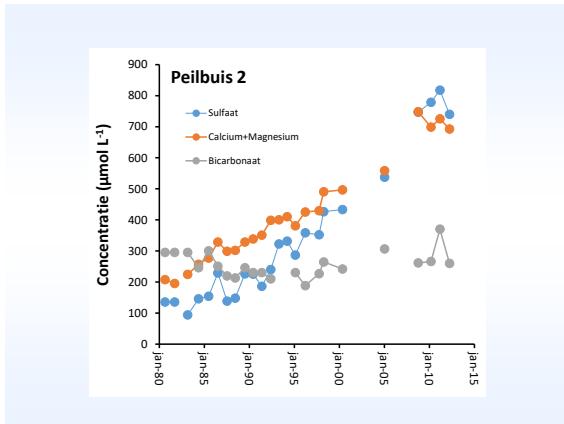
Biochemische processen en grondwaterkwaliteit

Alfons Smolders

Onderzoekcentrum B-WARE

RADBOUD UNIVERSITY Nijmegen
Institute for Wetland and Water Research
Radboud University Nijmegen, the Netherlands





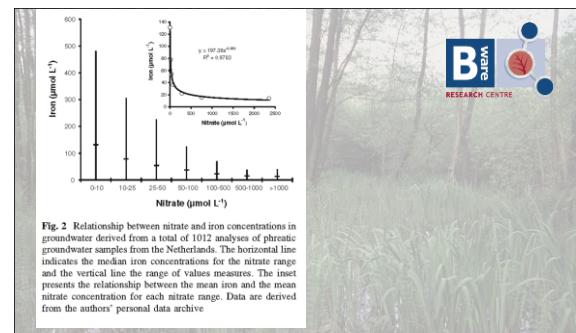
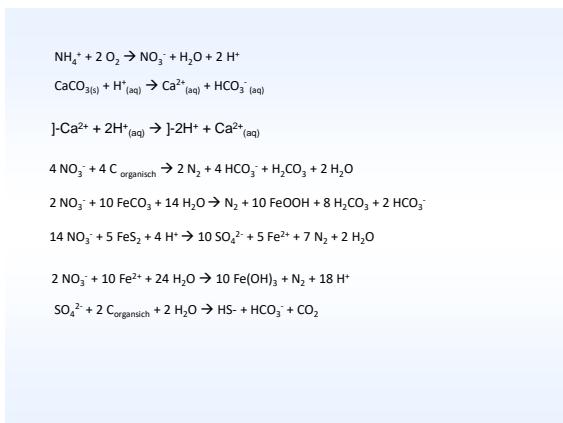
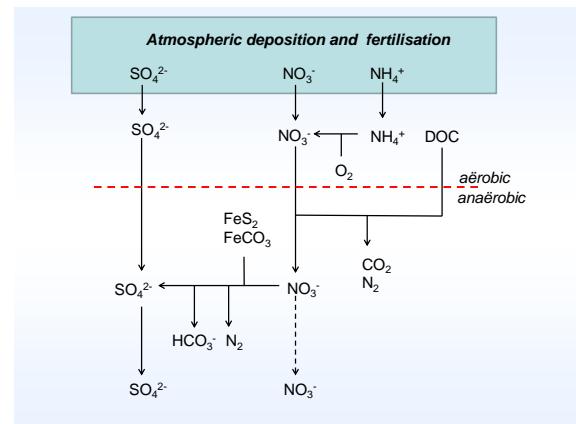
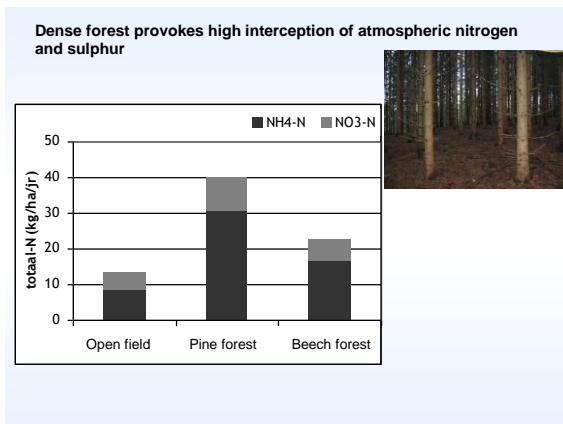
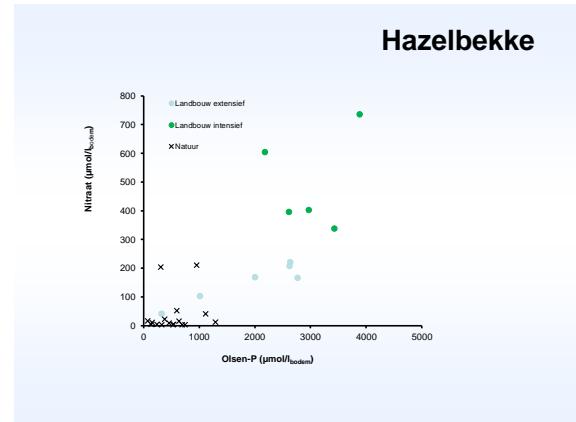
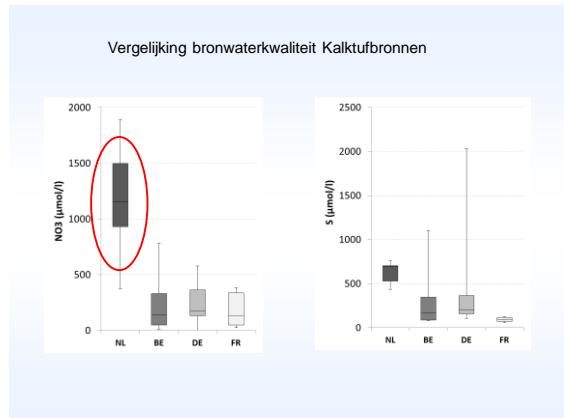


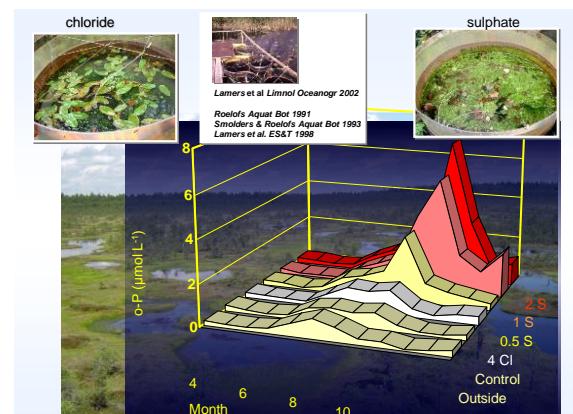
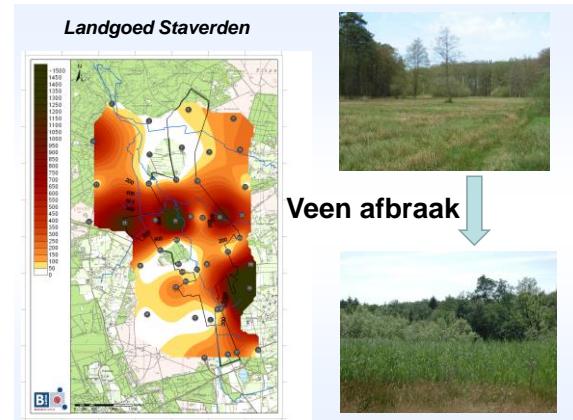
Fig. 2 Relationship between nitrate and iron concentrations in groundwater derived from a total of 1012 analyses of phreatic groundwater samples from the Netherlands. The horizontal line indicates the median iron concentration for the nitrate range, and the vertical line the range of values measured. The inset presents the relationship between the mean iron and the mean nitrate concentration for each nitrate range. Data are derived from the authors' personal data archive

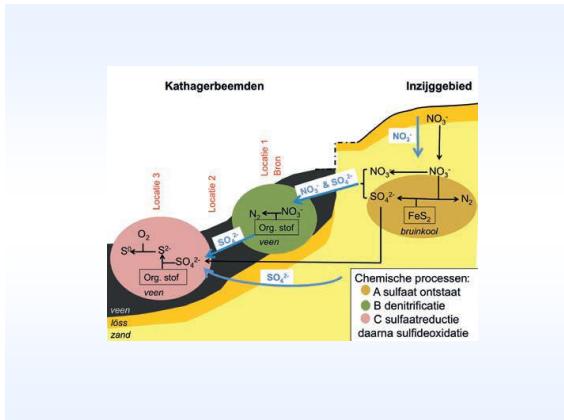
Nitraatverrijking van het grondwater gaat ook gepaard met een verminderde ijzeraanvoer

Smolders, A.J.P., Lucassen, E.C.H.E.T., Bobbink, R., Roelofs, J.G.M. & L.P.M. Lamers (2010)
How nitrate leaching from agricultural grounds provokes phosphate eutrophication in groundwater fed wetlands: the sulphur bridge
Biogeochemistry 98: 1-7.



The diagram shows a green tractor on a field with trees in the background. A red arrow labeled NO_3^- points downwards through soil layers labeled FeS_x and SO_4^{2-} into a blue groundwater zone. The groundwater zone contains a plant and a small animal. An orange arrow labeled PO_4^{3-} points upwards from the groundwater towards the plant.





Zwavelneerslag in het hellingveen Kathagerbeemden



Zwavelneerslag in het hellingveen Brunsummerheide

Vragen ????