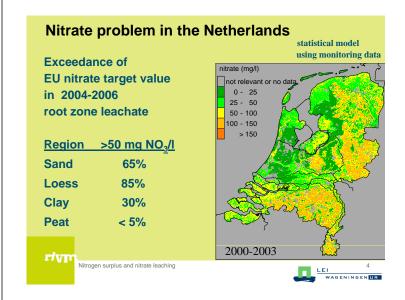
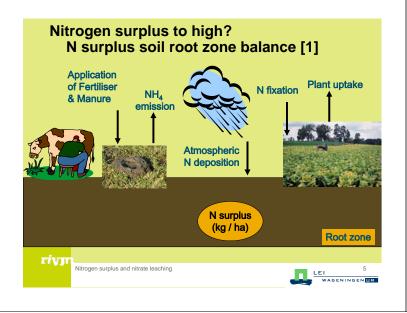
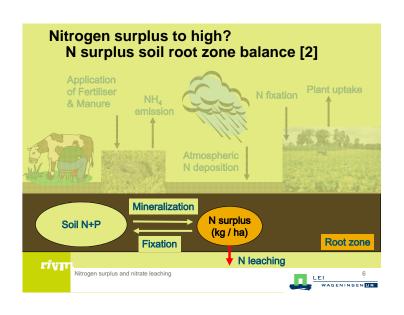
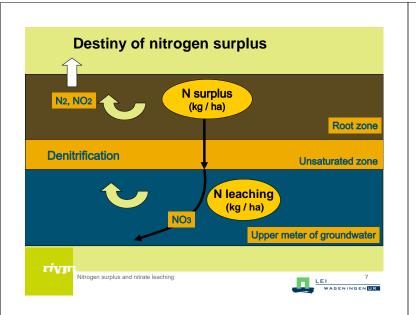


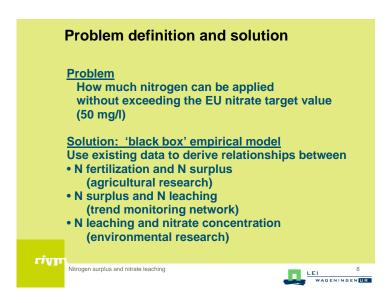
Compare California and the Netherlands Intensive agriculture in NL Compare California The Netherlands Area (1000 km²) 411 42 Population (million) 37 17 Agricultural land (million ha) 10 2 Cattle (million heads) 5.2 4.0 **Dairy cows** 1.8 1.5 Pigs (million heads) 0.2 12 Nitrogen surplus and nitrate leaching LEI WAGENINGEN UR

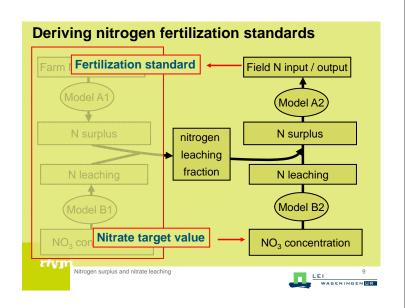


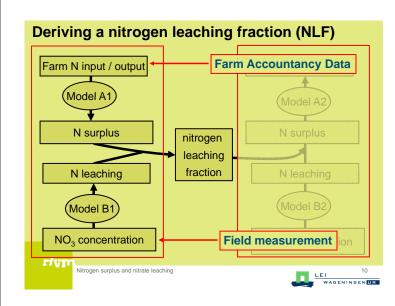


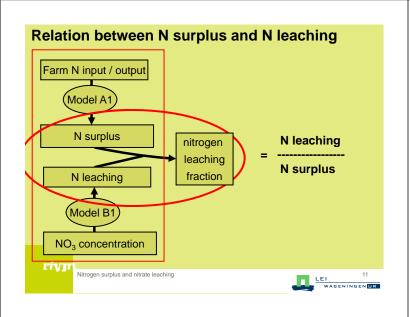


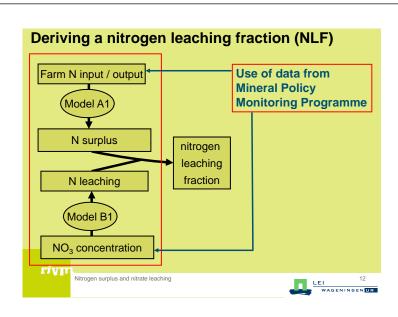


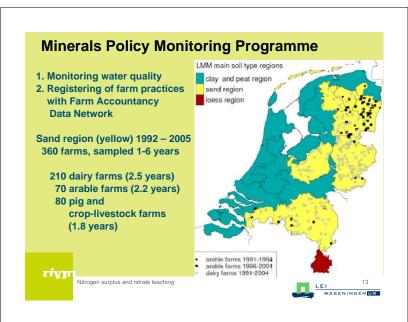




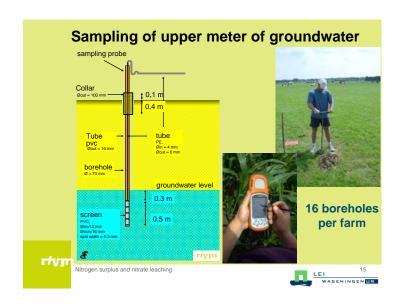


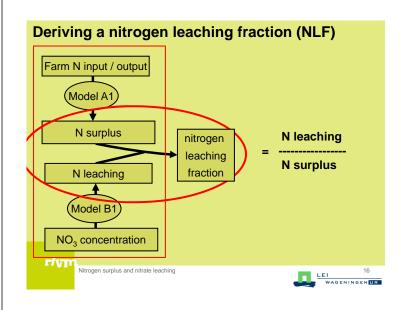


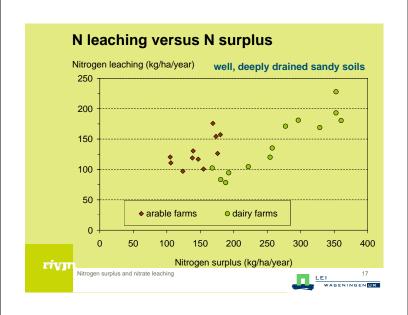


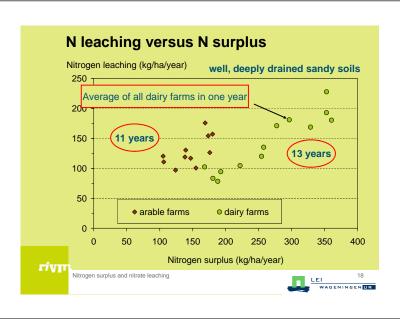


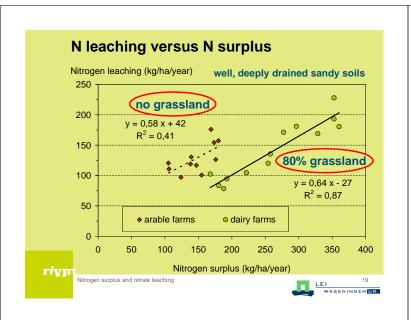


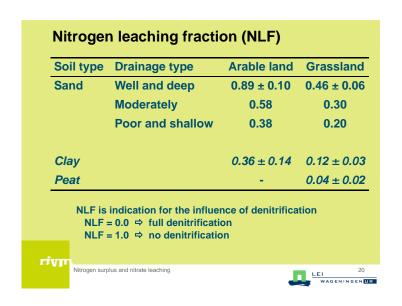


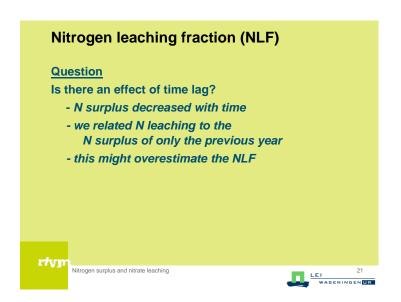


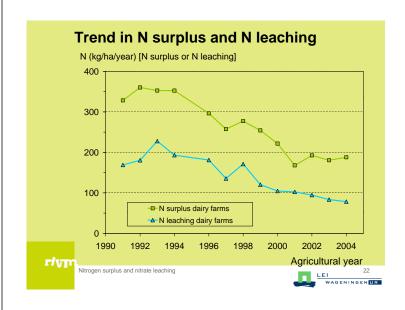


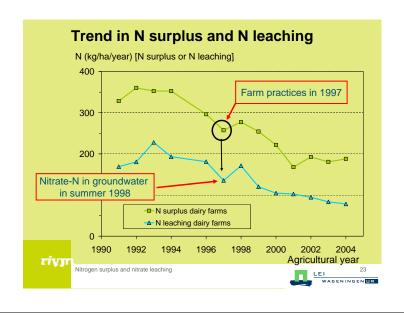


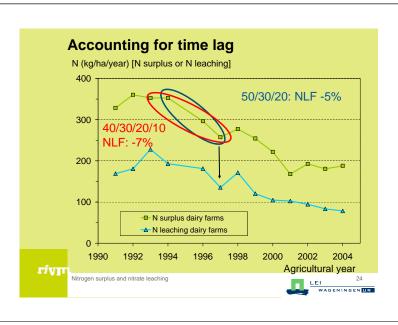












Findings

- Leaching fraction (NLF) from arable land is higher than from grassland
- Leaching fraction (NLF) for well drained soils is higher than from poor drained soils
- Accounting for time lag gives
 5-7%-points lower values for NLF's

Nitrogen surplus and nitrate leaching

LEI 25

Integration of monitoring farm practices and the quality of the environment has many advantages Data acquired by trend monitoring networks may be used for underpinning policy decisions Small investment in additional measurements to underpin models may pay off Nitrogen surplus and nitrate leaching

LEI ZO



