

Solution scenarios of the DNmark project

Aim:

- Explore mitigation tools; effects on N fluxes, nationally and locally
- Scenarios central part of the work in DNmark
- All RC involved in scenario-building





Scenarios of the DNMARK project

Mitigation tools and their effects on N fluxes, natural
Central part of the work in DNmark
Involved in scenario-building

Inputs to scenarios; drivers behind changes:

- Global and national drivers lead to changes in nitrogen cycling in Denmark
- Effects on land use and management
- Effects on changes in internal and external cycling (and losses) of nitrogen in farming (and societal) systems



Drivers:

- i. Changes in demand for biomass products (food, feed, fiber and bioenergy)



Drivers:

- ii. Changes in technology, in particular within agricultural land use and management



Drivers:

iii. Changes in priority of land for other ecosystem services



Drivers:

iv. Changes in environmental conditions (including climate change)



Into the future - inputs to scenarios:
Drivers are interacting - how and how much, and with which
consequences?.



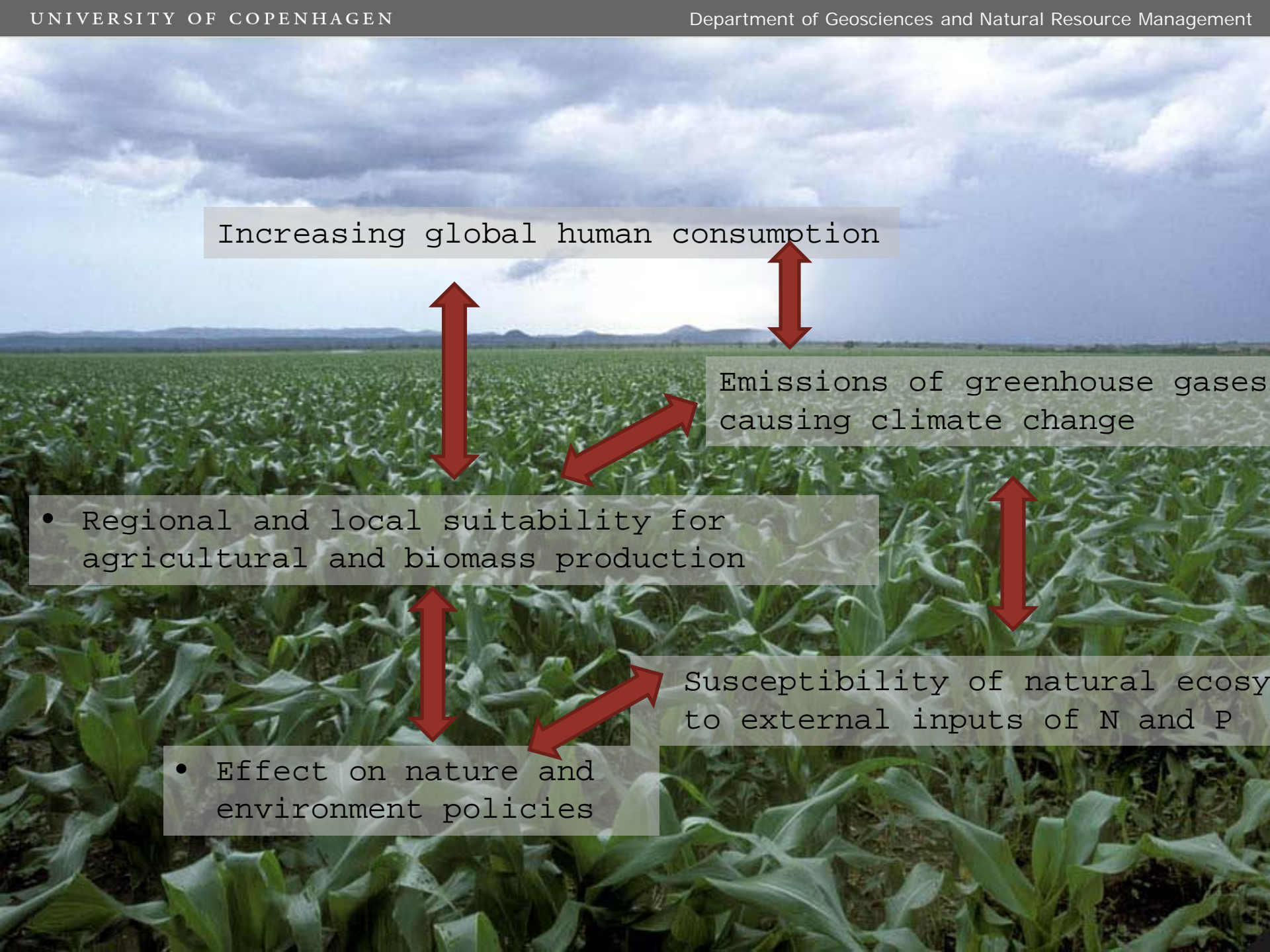
Increasing global human consumption

Emissions of greenhouse gases causing climate change

- Regional and local suitability for agricultural and biomass production

Susceptibility of natural ecosystems to external inputs of N and P

- Effect on nature and environment policies



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M A R K

science and action

