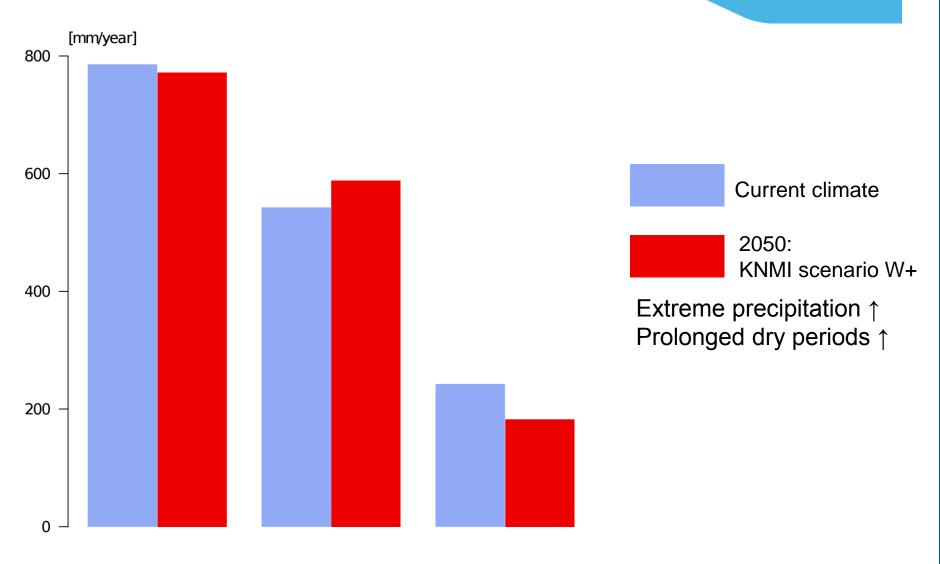


The future groundwater recharge: evapotranspiration response of natural vegetation to climate change

Bernard Voortman, Ruud Bartholomeus, Jan-Philip Witte Vienna, 2 May 2011



Climate change and the water balance



Micro climate and vegetation



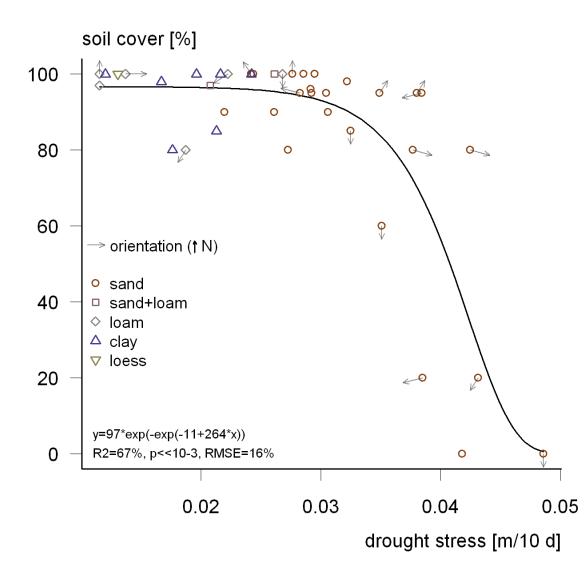


North slopes

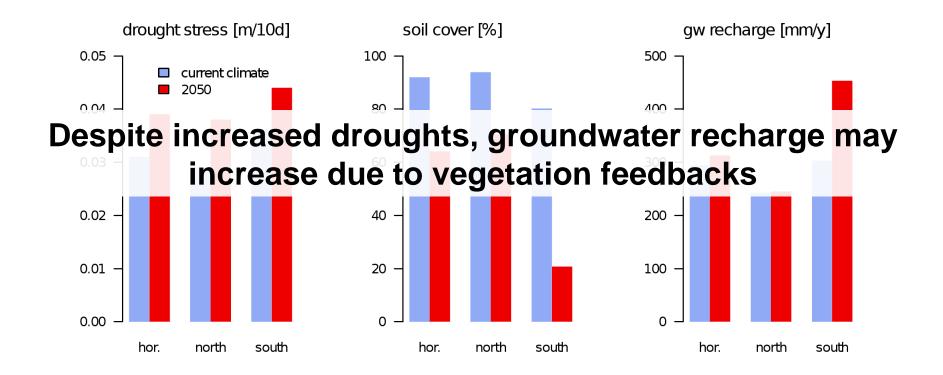
South slopes



Empirical relationship, drought stress - soil cover



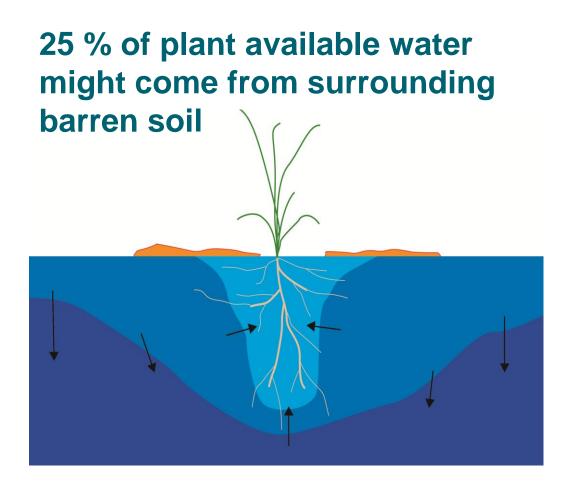
Climate change – Vegetation – Water balance





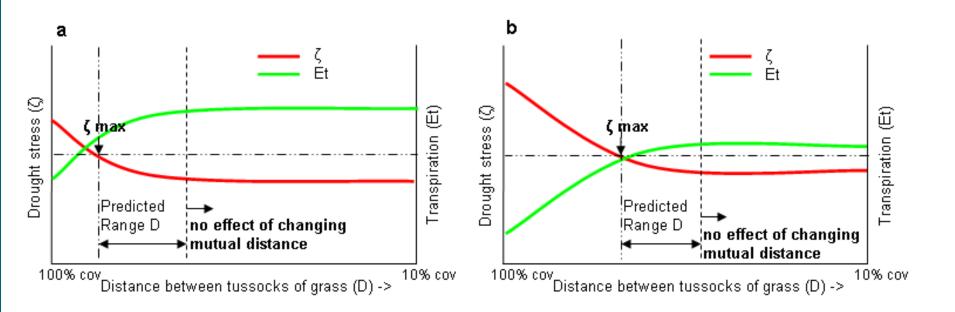
- 1. Moss and lichen evaporation
- 2. Plant available water in sandy soils
- 3. A conceptual model to estimate the vegetation coverage





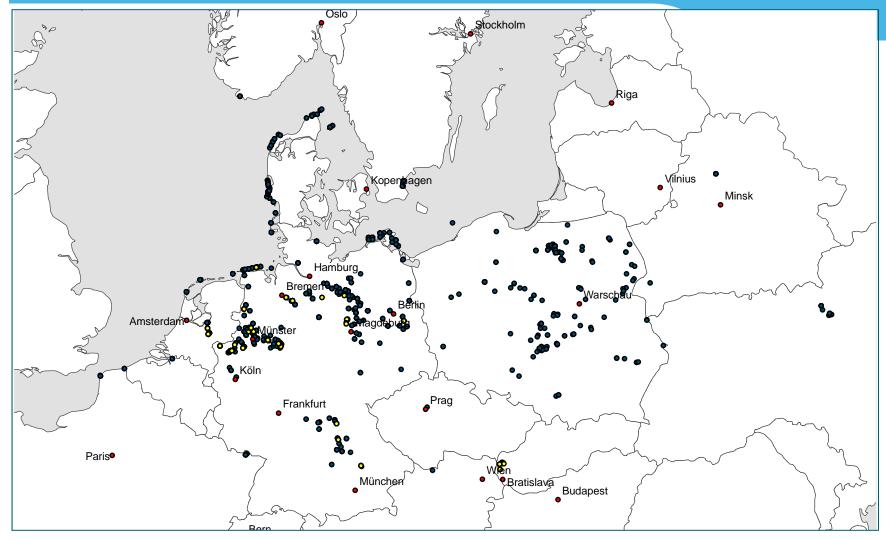


3. A conceptual model to estimate the vegetation coverage



KWR

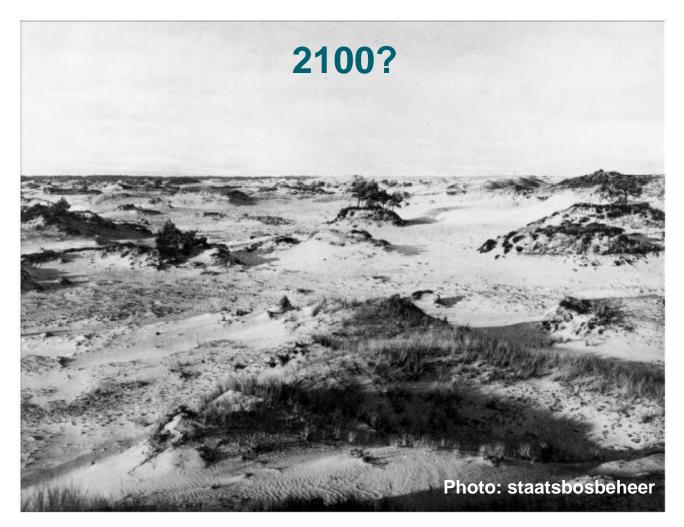
3000 vegetation records spread over EU





Mirja Henschel & Fred Daniëls, Münster

Questions?



KWR