

# Modelling grass growth to optimize grazing in Luxembourg

EIP-Project (2020-2024)

financed by:



LE GOUVERNEMENT DU GRAND-DUCHÉ DE LUXEMBOURG Ministère de l'Agriculture, de la Viticulture et du Développement rural

#### project partners:















Berner Fachhochschule





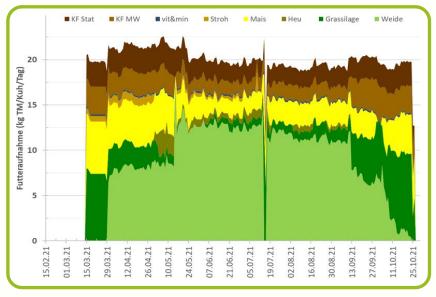


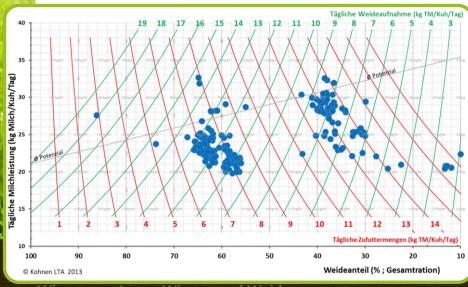


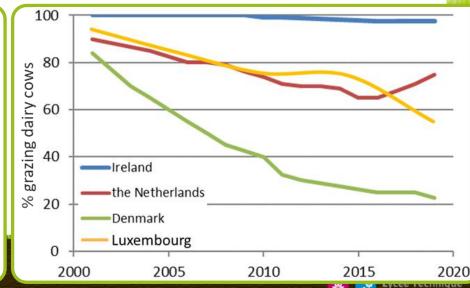


## The current situation in Luxembourg





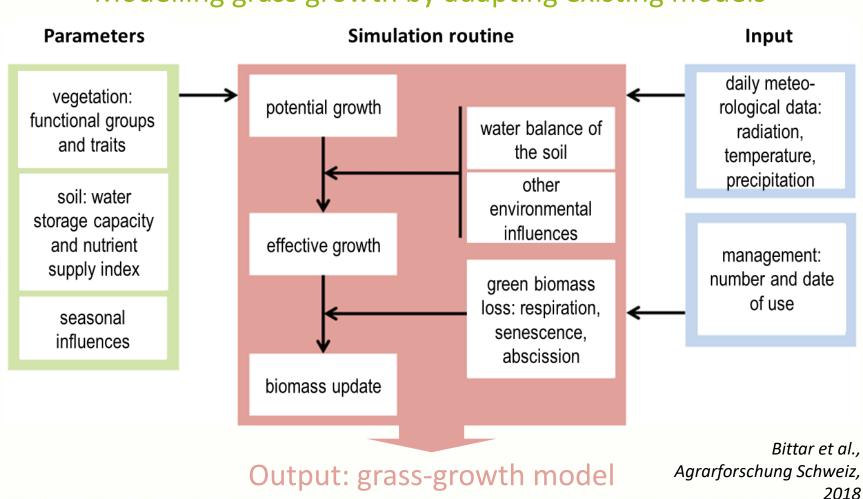






## Modelling the future

### Modelling grass growth by adapting existing models





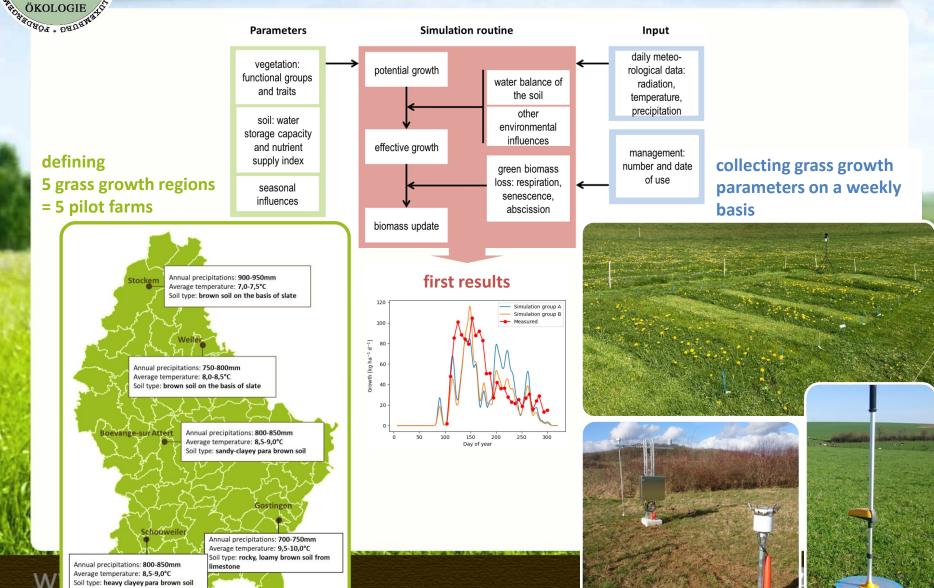






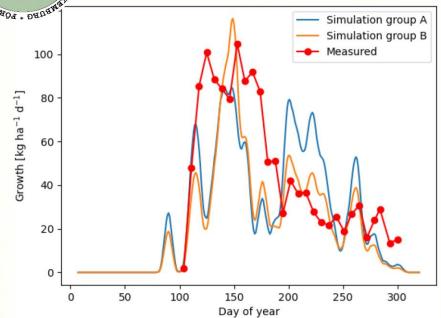


# Modelling grass growth in Luxembourg





## First results



#### further adjustments needed:

- of parameters
  - water storage capacity
  - definition of the functional groups
- of input data
  - meteorological data

- existing relation between the functional groups
- underestimation of the yields in the beginning of the year => days 0-200
- overestimation of the yields at the end of the year => days 200-300

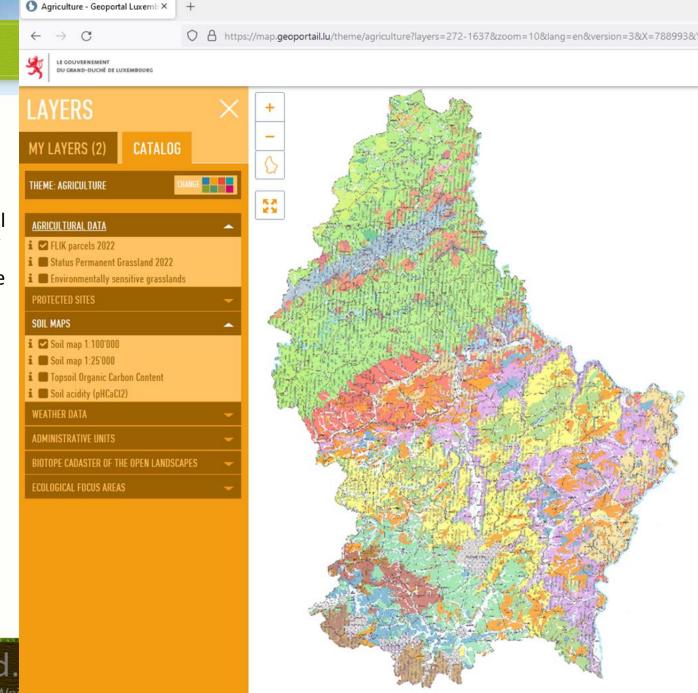






... next steps...

creation of an additional layer "grass growth" in collaboration with the national cadastral office => geoportail.lu



www.grengland.
Wissenswertes zu Wiesen und We



www.grengland.lu Wissenswertes zu Wiesen und Weiden







