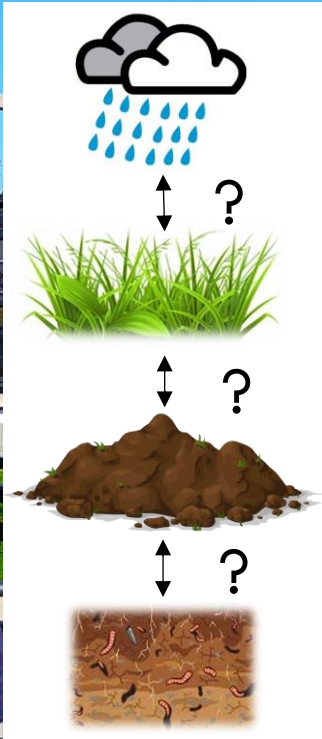
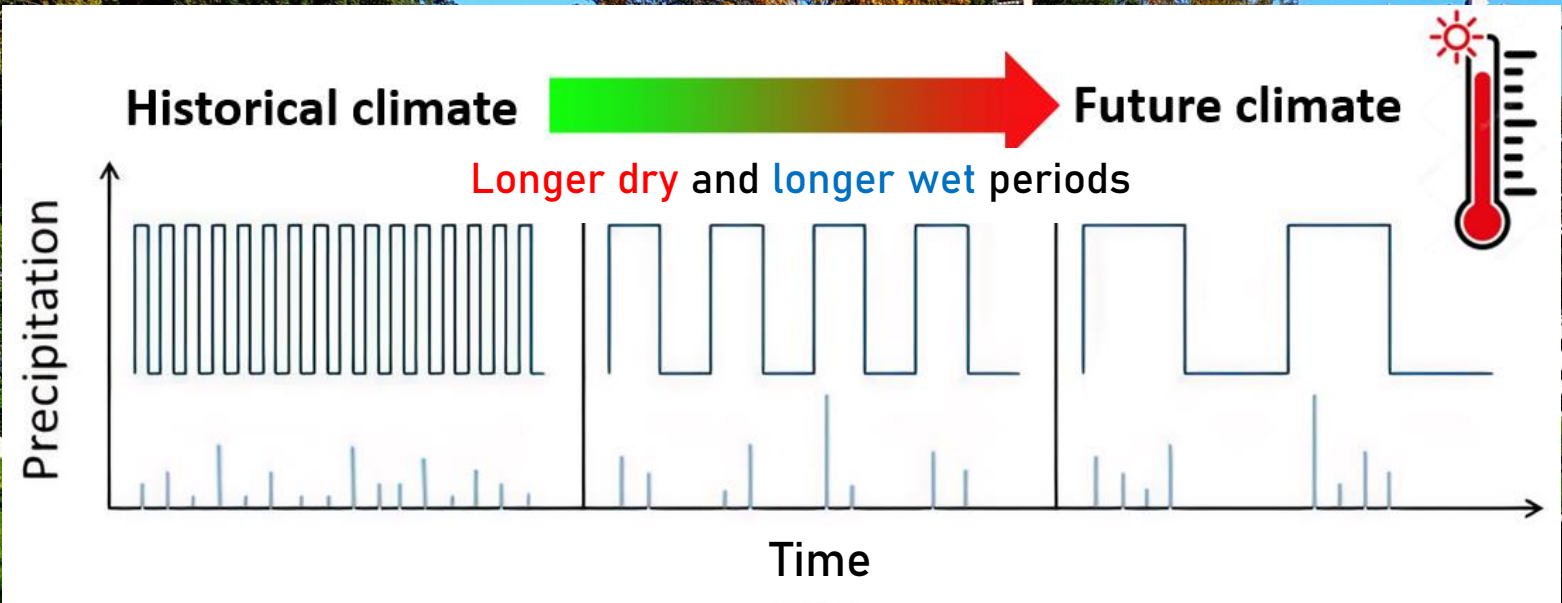


FATI facility at CDE

Designed to simulate climate extremes such as drought, flooding and heatwaves in open air



In 2025 we simulate a newly emerging trend in climate change:
more persistent weather



How does more persistent weather with **longer dry** and **longer wet** periods affect grassland functioning?



Experimental model ecosystems

Applied and fundamental topics

Field and laboratory skills

2025: focus on soils

MP subjects

- Can mycorrhizal fungi and plant species composition protect grasslands against more persistent weather regimes?
- Does microclimate buffering (i.e. the grassland canopy shading the meristems at ground level) play a role in this protection on hot days or during drought?
 - Outdoor grassland experiment with simulated, varying precipitation patterns in summer 2025
 - Grasslands differ in plant composition and prevalence of arbuscular mycorrhizal fungi
- Other ideas regarding the role of (agricultural) grasslands under climate change?
 - Get inspiration reading our most recent papers and contact us with your ideas and questions
See https://www.uantwerpen.be/en/staff/simon-reynaert_19466/publications/

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