Introducing the "Global Deep Soil 2100" network

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and the "Global Deep Soil 2100" network

(list of authors appears at the end)

Global Deep Soil 2100"
- a whole-ecosystem warming experiments network

–   The aim of DeepSoil 2100 is to bring together researchers working on long-term soil experiments particularly focused on deep soil horizons (at least 1 m).

–   The year '2100' was chosen because IPCC scenarios run until 2100.

–   We welcome whole ecosystem warming manipulations, with or without other manipulations such as water and carbon dioxide concentrations, and studying responses of plants, soil biogeochemistry, ecology, etc.

Experiments running or planned

Köppen-Geiger climate classification (1980–2016)

Source: www.gloh2o.org/koppen

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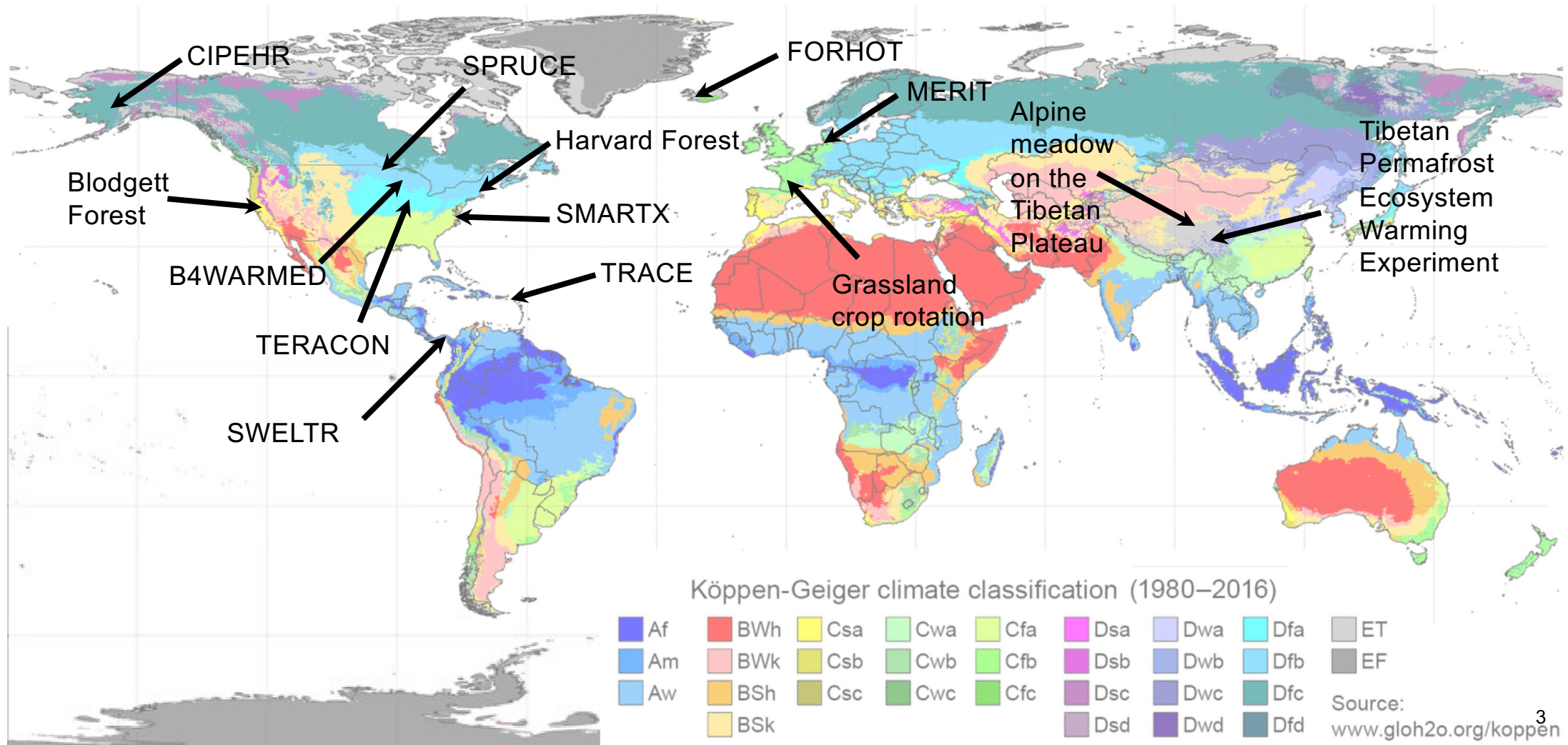
Some facts on the experiments
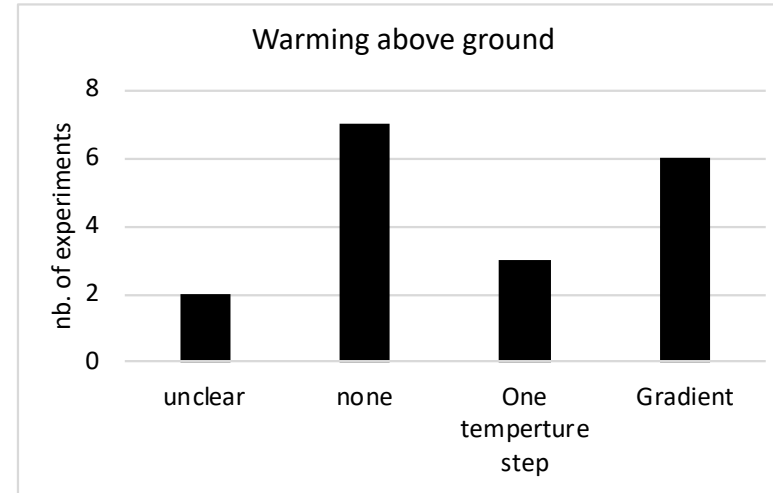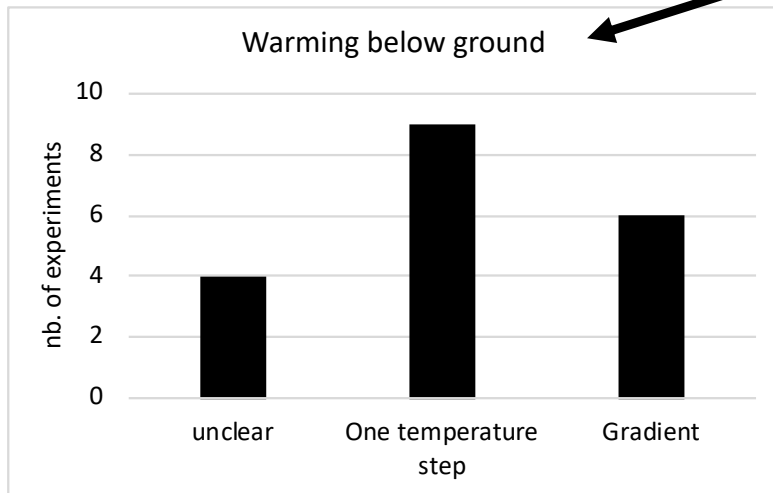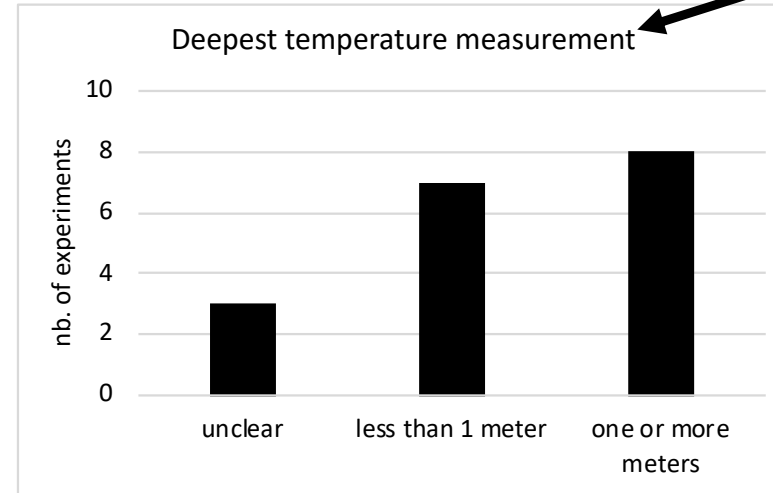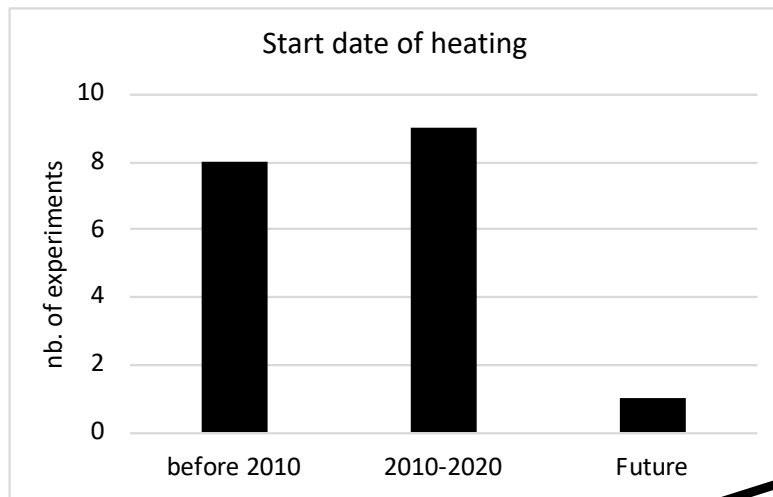
Global Deep Soil 2100 – what has already happened?

– Globally, there are less than a dozen whole-ecosystem warming experiments but not all researchers know about each other.

– experimentalists, modelers and data users teamed up in a "whole-ecosystem warming network", to share practical experience on field experiments, data reporting, discuss observations and results and explore synergies regarding tools, knowledge, and data sharing and interpretation.

– View previous meeting recordings (start end of 2020) here: https://tube.switch.ch/channels/ed725365

– "International Soil Carbon Network" https://iscn.fluxdata.org/network/partner-networks/deepsoil2100/

– a basis for future data syntheses / coordinated sampling (hopefully)

Homepage and forum

"Global Deep Soil 2100" network

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