FEVER IN THE ARCTIC CIRCLE



conditions and other environmental factors. The portable system enables the researchers to thoroughly examine the landscapes typical of Arctic permafrost regions, such as wet depressions and dry plateaus, and their extremely varied characteristics.

In its frozen state, the permafrost soil of the northern hemisphere stores vast quantities of carbon in an organic form. When it thaws, microorganisms are then able to decompose the organic substances in the soil which leads to the formation and release of greenhouse gases. This can also lead to the release of methane deposits lying deeper underground. If these greenhouse gases make it into the atmosphere, they accelerate global warming. The results of the field research can be used to refine physical models of the climate system, which serve as a basis for predicting future climate developments.



ON LOCATION



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