

Focus topic - Digital solutions for soil monitoring

BefahrGut

The use of heavy machinery in skid trails continues to cause changes in the topsoil. There is a need for decision-making aids for timber harvesting operations and for operational planning over short periods of time (2-4 weeks), taking into account current meteorological conditions. The BefahrGut project aims at developing a dynamic traffic risk forecast for large forestry machinery by combining the precipitation rates of the last 14 days with the weather forecast for the next 10 days. As part of the project, Dr. Marian Schönauer explained how in-situ measurement of soil water content is used for accurate predictions of the soil water content.



[Learn more](#)

Collaboration opportunities

- Georg-August-University Göttingen is searching partners to expand the model to predict soil water content to other geographical areas. By integrating in-situ measurements of new areas, the model can be adapted to the context of new countries and users.

[Presentation \(PDF\)](#)

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