CyberGrass I

Introduction to remote sensing and artificial intelligence assisted silage production

The ultimate goal of the project is that farmers have access to useful services utilizing modern technology (remote sensing and artificial intelligence) to help in their silage production management. The project studies and demonstrates the possibilities of remote sensing (by drone and by satellite) methods to predict yield quantity and quality in silage swards. Crop growth models together with weather forecasts will be utilized to predict the changes in the sward yield quantity and quality. The project would produce a light mobile application for demonstration. The project demonstrated method could be used as part of the existing and continuously developing large cultivation management programmes which are offered by advisory organizations and agribusiness companies. By demonstrating these possibilities to farmers in BA area we anticipate demand for the services to increase. That demand will provide a market for future development of the services. The commercialization possibilities will be evaluated during the dissemination activities.

PRIORITY:
Innovation

COUNRTY:
Finland and Sweden

LEAD PARTNER:
Natural Resources Institute Finland (Luke)

PROJECT PARTNERS:
Finnish Geospatial Research Institute (FGI)
ProAgria Etelä-Pohjanmaa
Hushållningssällskapet Norbotten Västerbotten
Swedish University of Agricultural Sciences (SLU)

BUDGET:
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EU FUNDING:
188 560 €

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1.5.2021-31.10.2022

Co-financers