



PRACTICE ABSTRACT NR. 39

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Soil Erosion Calculator - internet application for farmers

The Czech strategy of the agricultural sector with a view to 2030 aims, among other goals, to "increase soil protection in times of climate change with a view to sustainable farming and comprehensive development and landscape creation". In line with this objective, a binding timetable for updating the long-term average annual soil loss values was prepared. The aim of the measure is to ensure a gradual enlargement of the level of protection of erosion endangered areas from the current 10.7% to the "real" area, which is about 60% of the agricultural land. The gradual enlargement of erosion endangered areas covered by Good Agricultural Environmental Condition (GAEC) measures will allow farmers to adapt their farming practices step by step. (<http://eagri.cz/public/web/mze/farmar/LPIS/novinky/redesing-eroze.html>). To help farmers, a web-based application was prepared under the coordination of the Research Institute for Soil and Water Conservation (www.vumop.cz/en) to provide information about erosion endangered soil in selected areas and help users with the assessment of used crop rotation soil treatment and machinery. In this application, the farmer (or advisor) can set up his/her own crop rotation, agronomic measures and dates of main agronomic operations to check if it has sufficient soil protection effects. On average, 150 users open the application per month, more than 3 thousand farmers and advisors are registered. The application also enables to split the area into several parcels which allows the farmer to modify the shape of erosion endangered areas to be able to manage these and comply with the conditions of the GAEC standard.

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KEY WORDS:

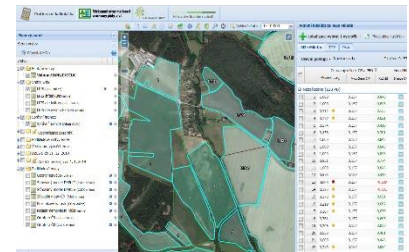
soil erosion, web-based application, GAEC, advisory system, regional AKIS

ADDITIONAL INFORMATION

More information and instructions: <https://kalkulacka.vumop.cz/>

Details for The Czech strategy of the agricultural sector with a view to 2030:

[http://eagri.cz/public/web/file/460683/460659683669 Strategie resortu ministerstva zemedelstvi s vyhled do 2030.pdf](http://eagri.cz/public/web/file/460683/460659683669Strategie%20resortu%20ministerstva%20zemedelstvi%20s%20vyhledem%20do%202030.pdf)






ABOUT AGRILINK

Agrilink is a multi-actor project funded by the European Union's Horizon 2020 research and innovation programme. It brings together 16 partners from 13 countries, including universities, applied research institutes, advisors and consultants from public organisations, private SMEs, a farmer-based organisation and specialists in communication and distance learning.

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 727577.

All the Practice Abstracts prepared by the Agrilink project in the EIP-AGRI common format can be found here: <https://ec.europa.eu/eip/agriculture/en/find-connect/projects/agrilink-agricultural-knowledge-linking-farmers>