Regenerating soils for climate and farmers

[31 October 2022]

D3.8: AgriCapture platform, 2nd iteration

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Responsible author	Luka Glusica, Milan Kilibarda
Contributors	Dragutin Protic, Jelena Kilibarda,
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Executive summary

The aim of this deliverable is to provide a report on the AgriCapture platform second iteration. The report delivers short overview of the changes made on the platform done during the second iteration of the development. The changes have been made based on the users' feedback obtained through the co-creation process.

2nd iteration of the AgriCapture platform development

AgriCapture platform is being developed as a collection of services aimed at supporting the scaling up the adoption of Regenerative Agriculture. The platform consists of Exploration, Quantification, Verification and Support service. Support service is being developed as extended functionalities of the existing operational commercial solutions for crop monitoring and farm management CropLab and SatAgro.

The basis for development of the services have been defined in the deliverables D3.1 End-user needs analysis and D3.2 Service specifications & system architecture. The development follows an agile methodology which means that the process is broke up into several phases (iterations). It involves constant collaboration with stakeholders (potential users) and continuous improvement at every iteration.

This report presents the second iteration of the AgriCapture platform, with the short overview of the additional functionalities and modifications made in each service. The platform is accessible through the following links:

Exploration, Quantification, Verification service: https://agricapture.gilab.rs/

Support service: https://app.croplab.info/ , https://satagro.net/

Changes from the 1st iteration

AgriCapture dashboard

- Sign in with Google account

- Project Developer can add and manage Auditors on the project

- Project Developer can generate Farm activities and Applicability reports according to the requirements of Carbon credit validation and verification procedure and download it in pdf format

Quantification service

- Parcel opacity added

- Parcels search option

Verification service

- Checking Applicability conditions (in accordance with VM042 methodology, applicable to other methodologies) with a number of data layers

- Selection of the EO data source (Sentinel or Planet), Planet data layers added

- Parcels search option

- Export field book data (data provided by the farmer in CropLab Field Book farm management system)

- Afforestation layers (tree classification, NDVI VHR, RGB VHR)

- Visualisation of the summary information for Reg Agri practices modified (Declared by farmer vs Estimated from the EO data)

- Integration of AgriCapture database with CropLab database and farmers' accounts

- Import data from CropLab farmer's account

Support service

CropLab application

- Improved Help

- Integration of farmers' profiles with AgriCapture database

- Improved visualisation of crop status data (NDVI, Chl, Productivity, Management Zones)

- Improved visualisation of information in the Field Book (dashboard, history of activities, etc)

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