RECAP: PeRsonalised public sErvices in support of the implementation of the CAP

Digitising agriculture and food value chains
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CAP and Cross Compliance

Cross-compliance (CC) is the EU policy tool integrating environmental requirements into the CAP, linking direct payments to farmers compliance.

Cross Compliance challenges

1. Large number of Cross Compliance rules

2. Complex measures due to the level of detail of the applicable rules.

3. Control procedures are reflected in high costs.

4. Checking for all CC rules across the entire farm can be time-consuming.
RECAP as a solution

• We can combine and make best use of the satellite data available for the public authorities and the whole agricultural ecosystem.

• We can break down this very complex legislation into practical everyday personalized guidance for farmers.

• Public authorities’ procedures can be more transparent and more efficient.
RECAP is a tool... with the users for the users.

1. **FARMERS**
   - RECAP turns Cross-Compliance into an easy task

2. **CONSULTANTS**
   - RECAP transforms knowledge into added value services

3. **PAYING AGENCIES / INSPECTORS**
   - RECAP makes Cross-Compliance monitor inspection more efficient
RECAP - An open concept

Technology #1
Remote Sensing tool
• Extracts useful features, indices for crop monitoring;
• Identifies the crop types;
• Combined classification output with geo-information data.

Technology #2
Spatial Tool
• Access to spatial information;
• Spatial analysis & queries upon data stored in RECAP database;
• Use of GIS tools for spatial analysis;
• Information displayed over various background maps.

Technology #3
Business Intelligence tool
• Data mining tool for PAs;
• Analyses large datasets available;
• Allows extraction of important information;
• Allows comparison with other data or data from other areas.

Technology #4
SDK
• Develop new added value services under an open approach;
• Create additions extending the functionality of RECAP;
• Access to data available to RECAP based on security and privacy tool;
• Support technical integration with external systems.

Technology #5
API

Technology #6
Web/ Mobile App
• Bring regulations and compliance at the fingertips of farmers and inspectors;
• Smartphone and table apps optimised to farmers’ and inspectors’ needs;
• RECAP platform-web application – focused interfaces.
CC Rules Algorithmically Addressed

Greening 1 and 2:
- Crop Diversification, Permanent Grassland

GAEC 1, 4, 5 and 6:
- Buffer Strips, Minimum Soil Erosion, Minimising Soil Erosion, Maintaining the level of organic matter in soil

SMR 1:
- Reducing water pollution in VNZs
RECAP Value Proposition

Paying Agencies
Access to the farmer’s fields’ information | Track farmer’s inputs and outputs | More targeted on-field inspections | Real-time communication | Risk analysis reports

Farmers
Personalised guidance | Self-Assessment tool | Early alerts | Active participation | Access to up-to-date information

Consultants
Improved advisory services | Data availability, accessibility and re-use | Development of services under an open approach
Where are we now?

- Spain: Farmers 120, Inspections 105
- UK: Farmers 150, Inspections 125
- Lithuania: Farmers 150, Inspections 125
- Serbia: Farmers 75
- Greece: Farmers 140, Inspections 115

Totals:
- Farmers: 635
- Inspections: 420
Thank you for your attention!

Find us on
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“RECAP H2020 Project”

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