



Integrating innovative TECHnologies along the value Chain
to improve small ruminant welfARE management



API-AGRO: a data exchange platform for centralisation of automated data flows between multiple European actors

The API-AGRO platform (www.agdatahub.eu), developed by the French partner Agdatahub, aims to favour the interoperability and improve exchange of expertise data around agriculture, to facilitate evaluation of agricultural systems.

The platform is offering an API based approach (Application Programming Interface) allowing the sharing of data and algorithms with clear rules of diffusion and use (explicit license and economic conditions). The process is entirely trustful with confirmed identities and all actions are monitored.

In TechCare, the platform is being used to share data from the pilot farms, to encourage a useful exploitation of results. For example, data from the SRUC pilot farm in Scotland (sheep winter performance, welfare assessment & weather data) have been shared through this means.

API-AGRO platform meets the European Commission's definition of a "data intermediary". The platform does not store or process the shared data. Any monetization of the exposed data sets remains the sole responsibility of the data provider. and synergies, and encourage a wider dissemination of results by capitalising on similar projects.

The screenshot shows the agdatahub interface. At the top, there are navigation tabs for 'Explore', 'Publication', and 'Transactions'. The main content area displays the title 'TechCare - sheep winter performance, welfare assessment & weather data (SRUC)' and indicates it is proposed by 'Scotland's Rural College (SRUC)'. Below the title, there are tabs for 'Description', 'Data', 'Distribution conditions', and 'Provider'. The 'Description' tab is active, showing the following text:

About this offering [Edit]

The study was conducted at a research farm in Scotland with a flock of ~50 ewes. There were no within-flock treatments. Sheep numbers (approx. 50) equate to commercial conditions for a flock of early pregnant ewes. Ewes were monitored during the winter feeding period (late January to late February, when they were pregnancy scanned) in an area of rough grazing and were fed hay. Welfare assessments were taken on the ewes regularly. All ewes were gathered to nearby pens for live weight and BCS data to be collected on 4 occasions during the trial. At these events, welfare assessments of each ewe were also carried out, using a customised version of the AWIN (Animal Welfare Indicators) protocol, by a trained technician. Between handling events, modified welfare assessments were performed on each ewe in the field by a trained technician.

Weather data collected over the same period.

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Production date
Start : 01/2023
End : 03/2023

Collection territories
West Central Scotland

On the right side of the page, there is a blue box stating 'This offering belongs to your organization.' Below this, there are buttons for 'Get data' and 'Download Sample'. A 'Key information' section lists the following details: Data offering, One-time delivery, Open Data license, Instant acquisition, Free offering, and No personal data.



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