

Which Tool Is Right for You? A Pre-Webinar Guide

Digital Innovation and Decentralised Tools for Scaling Agroforestry

Using digital tools to reduce uncertainty, improve decision-making, and support viable agroforestry investments



Digital Innovation for Scaling Agroforestry
Harness digital tools to cut costs, maximise impact, and make smarter agroforestry decisions.

18 February 2026
15:00 CET

Organized by:  

Funded by the European Union
UK Research and Innovation

Agroforestry offers significant environmental and economic benefits, but its adoption is often constrained by uncertainty, complexity, and limited access to tailored decision-support tools. Digital innovation can play a critical role in overcoming these barriers by making agroforestry systems more transparent, comparable, and economically understandable for a wide range of actors.

In preparation to the Webinar on the 18th of February: ***Digital Innovation and Decentralised Tools for Scaling Agroforestry - Using digital tools to reduce uncertainty, improve decision-making, and support viable agroforestry investments***, we have prepared this document to explain how each tool can be used in practice and highlights its relevance for different user groups, depending on their role, needs, and decision-making context. It is intended to help readers identify which tools are most relevant to them ahead of the webinar.

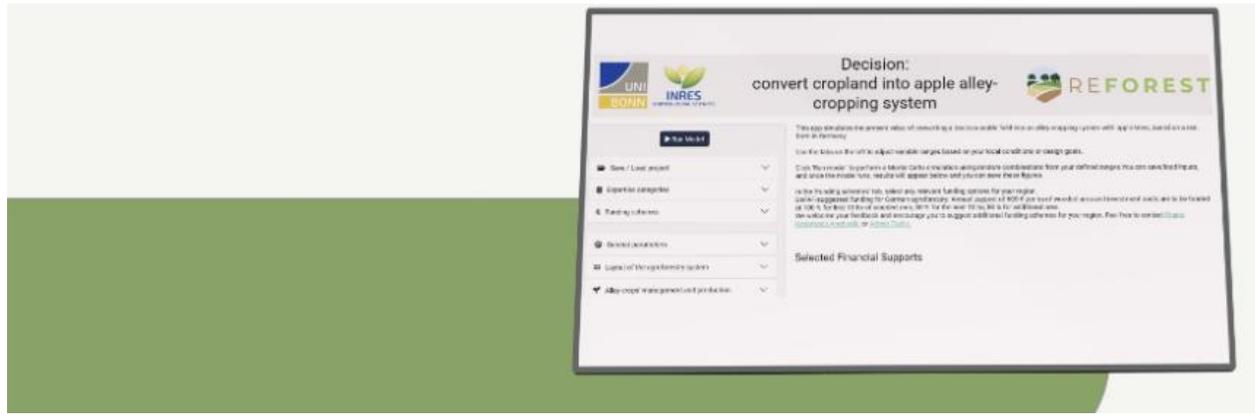
During the webinar, participants will have the opportunity to meet the tool owners and developers, explore real use cases, and ask practical questions about how the tools can be applied in their own work—whether for farm planning, advisory services, policy design, sustainability assessment, or investment analysis.

The tools presented are a set of practical, open-access tools designed to support agroforestry planning, management, and financing decisions across different professional profiles. The tools address key questions faced by farmers, advisors, policymakers, and private-sector actors, such as:

- *What are the long-term economic implications of different agroforestry designs?*
- *How do public support schemes and incentives affect farm-level viability over time?*
- *How can environmental and social outcomes be measured in a credible and comparable way?*
- *How can carbon and biodiversity impacts be estimated before implementation?*

Rather than providing generic models, the tools are designed to be flexible, context-specific, and user-driven, allowing users to adjust assumptions, explore scenarios, and test trade-offs based on their own objectives and constraints.

Dynamic Management tool



Policy makers: can use the tool to explore different agroforestry financial support schemes and better understand their long-term economic impact at the farm level. By adjusting key parameters and seeing results instantly, they can test, assess uncertainty, and identify where targeted incentives or additional data would make the most significant difference. This supports more informed and transparent policy design and strategic decision-making.

Farmers (size does not matter): can use the tool to gain a clearer understanding of how different agroforestry designs (such as varying tree densities or the integration of livestock) may perform economically on their farms over the long term, as well as what financial support measures are available in their region. By entering their own estimates and exploring alternative management costs, they can virtually compare costs, benefits, and risks, and forecast both expenditures and revenues.

The tool is handy for small and medium-scale farmers considering a transition to agroforestry, while larger farms can use it for longer-term strategic planning. Features such as project saving and downloadable inputs allow users to work offline and upload their information once they are back online. Additionally, downloadable outputs make the tool well-suited for reporting.

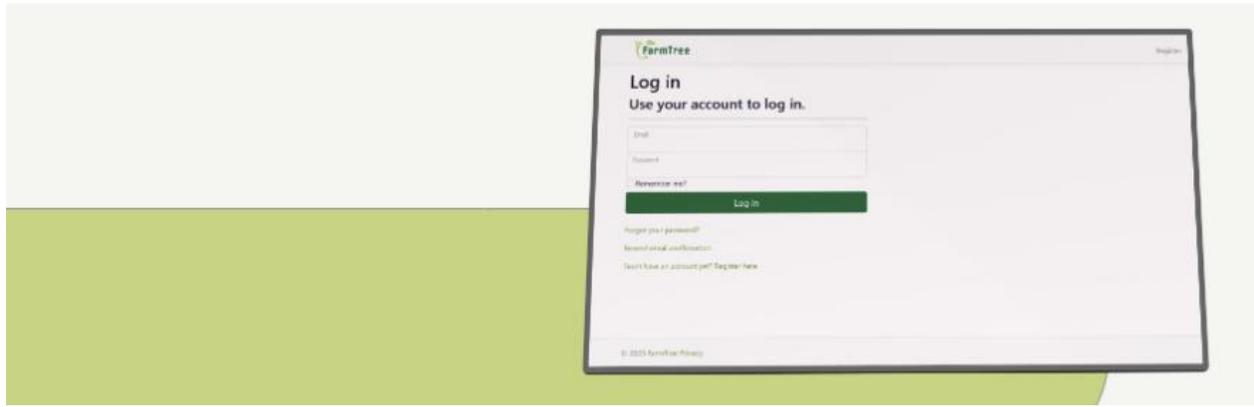
Agricultural consultants can use the tool as a flexible modelling and decision-support platform when working with farmers. It allows them to simulate complex agroforestry systems, incorporate expert judgement, and quickly compare scenarios. Features such as project saving, downloadable inputs and outputs, and interactive visualizations make it well-suited for advisory work, training, stakeholder discussions and report preparation.

Corporations involved in the agriculture sector: Agribusinesses, cooperatives, financial institutions, and firms with sustainability or ESG goals can use the tool to evaluate agroforestry investments and strategies specifically with the latest accordion of EMEA'S financial scheme. It helps assess long-term impacts of investment in a regenerative, sustainable agricultural practice.

The tool was developed by the team of researchers at Horticultural Sciences, Institute of Crop Science and Resource Conservation (INRES), Faculty of Agricultural, Nutritional and Engineering Sciences, University of Bonn.

Link to [Tool](#)

FarmTree



Policy makers: Policy makers need credible, long-term evidence to design and justify climate-smart agriculture policies, but impacts such as resilience, carbon, and biodiversity are difficult to quantify. FarmTree helps by simulating agroforestry and climate-smart farming scenarios over up to 30 years, generating clear projections on yields, income, and ecosystem services. This enables policymakers to compare strategies, assess trade-offs, and support evidence-based policies with measurable economic and environmental outcomes.

Farmers : Farmers want to integrate trees and crops to improve productivity and resilience, but uncertainty around yields, profitability, and risks often slows adoption. FarmTree allows farmers to design plot-level plans and test different cropping and agroforestry options before implementation. By simulating costs, revenues, and long-term benefits, the platform provides practical decision support and clearer business cases for climate-smart farming choices.

Agricultural consultants: Agricultural consultants support farmers and projects with technical advice, yet evaluating multiple design options and their long-term impacts can be time-consuming and uncertain. FarmTree enables consultants to rapidly model scenarios, compare alternatives, and quantify economic and ecological outcomes. Integrated data collection through tools like FarmTree-KOBO also helps consultants monitor results and communicate impacts clearly to clients, donors, and project partners.

Corporations involved in the agriculture sector: Companies and investors face challenges in promoting and financing climate-smart agriculture because the impacts are hard to measure and communicate. FarmTree provides robust long-term simulations to estimate investment returns and standardised metrics for yields, profitability, carbon sequestration, and other KPIs. This supports investment decision-making, ESG reporting, and transparent communication with stakeholders by turning complex farm-level data into clear, comparable insights

The tool was developed FarmTree B.V

Link to [Tool](#)

Public Goods Tool:



Policy makers: The REFOREST Public Goods Tool provides a farm-level framework for assessing public goods delivery such as soil health, animal welfare, social capital, and business resilience. The tool translates complex sustainability outcomes into clear, comparable scores, helping policy-makers target incentives, justify public investment, and align agricultural support with environmental and societal goals.

Farmers: the REFOREST Public Goods Tool helps farmers understand the full value of what their farm delivers beyond food, including healthy soils, animal welfare, social capital, and business resilience. It highlights the farm's strengths and identifies potential opportunities for improvement. The results are clear, farmer-friendly, and useful for planning, benchmarking, and monitoring.

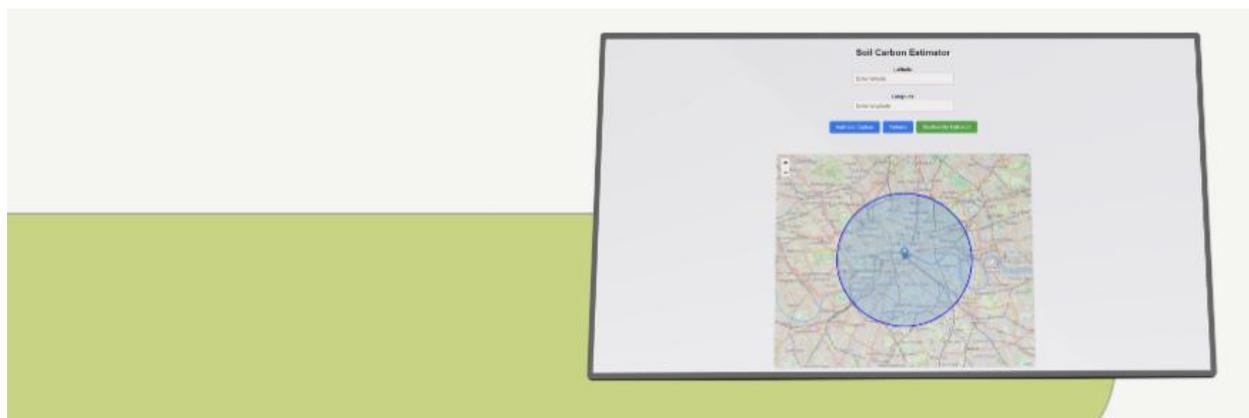
Agriculture Consultant: the REFOREST Public Goods Tool enables consultants to assess whole-farm sustainability using a structured, holistic and standardised framework. Covering environmental, economic, and social dimension, it can support advisory work, farm planning, and monitoring progress in delivering public goods over time.

Corporations involved in the agriculture sector: the REFOREST Public Goods Tool offers a transparent and credible way to measure sustainability performance of suppliers at the farm level. By capturing outcomes related to public goods such as soil health, animal welfare, and social capital, it can support ESG reporting, sustainability strategies, and responsible sourcing commitment

The tool was developed by the University of Reading

Link to [Tool](#)

Carbon and Biodiversity Prediction Tool



Policy makers: The Carbon & Biodiversity Prediction Tool provides a methodological foundation for integrating environmental monitoring into policy frameworks. By offering usefully accurate, instant predictions for any location in Europe, it supports evidence-based decision-making for climate mitigation and soil restoration, directly contributing to the objectives of the European Green Deal and EU Soil Mission.

Farmers (all sizes): This tool allows farmers of any scale to obtain instant predictions for soil carbon and biodiversity by simply entering map coordinates. The web interface ensures broad accessibility without the need for specialised software or technical expertise, helping farmers estimate potential impacts before implementation.

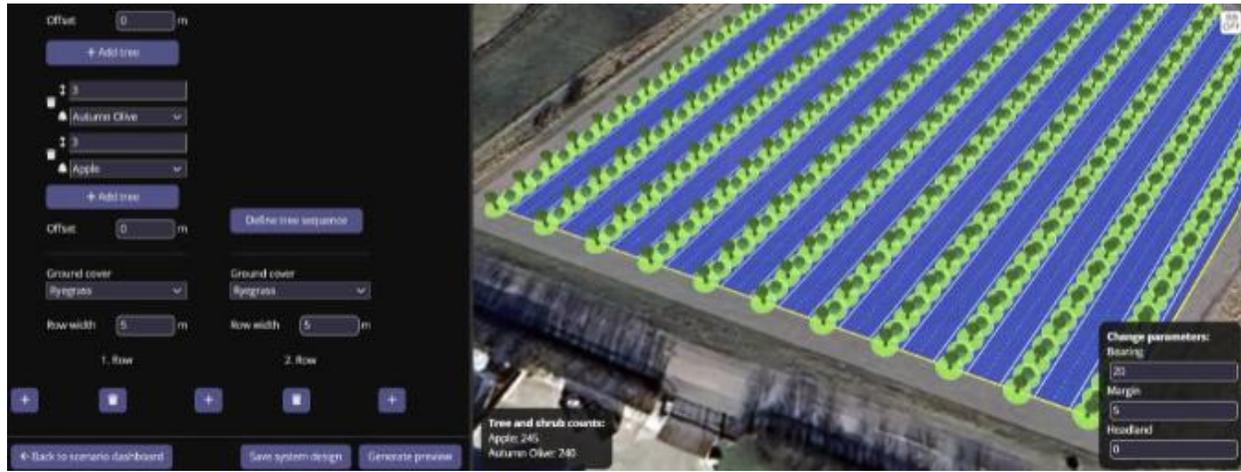
Agriculture Consultant: The Carbon & Biodiversity Prediction Tool enables consultants to access high-resolution spatial detail and usefully accurate predictions. By using advanced neural networks and satellite imagery, it allows consultants to provide robust, data-driven advice for farm planning and monitoring progress in regenerative agriculture.

Corporations involved in the agriculture sector: This tool offers a transparent, scalable way to estimate carbon and biodiversity outcomes across European supply chains. By using high-resolution data and standardised spatial modelling, it provides a credible basis for ESG reporting, sustainability strategies, and environmental monitoring in the agricultural sector

The tool was developed by the Organic REsearch Centre

Link to [Tool](#)

RegenWorks:



Policy makers: The RegenWorks platform contains a lot of data on the type of agroforestry systems designed in a specific region. This can be used by policy makers to assess context specific adoption trends in the type of trees being used and the spatial configuration of the agroforestry systems being implemented.

Farmers (specify if size of farmers matters): With RegenWorks farmers can map and plan agroforestry systems on their land. This includes mapping out individual farm parcels and designing context specific agroforestry systems. The software also support establishment of agroforestry systems with detailed planting plans and export options for in-field layouts with GPS coordinates.

Agriculture Consultant: With RegenWorks agroforestry advisors can quickly plan agroforestry projects for farmers and landowners. The integrated gis-based agroforestry design tool makes it fast to create new projects and update existing design. This means you can get more done in a shorter time.

Corporations involved in the agriculture sector: Corporates can use the public agroforestry project preview feature as a traceability function, to show consumers the exact location and configuration of the agroforestry systems that products are sourced from.

The tool was developed by RegenFarmers

For more information, consult our repositories of knowledge and tools, and get in touch with tool owners and other Agroforestry actors through our [Engagement Platform](#)

Link to [Tool](#):

For more information, consult our repositories of knowledge and tools, and get in touch with tool owners and other Agroforestry actors through our [Engagement Platform](#)

1. [ReForest Toolbox](#)
2. [ReForest Knowledge Hub](#)
3. [DigitAF Repository of Tools](#)
4. [Agroforestry Map of Europe](#)