



# REFOREST

Organisation: Czech University of Life Sciences Prague

## D1.8

### Practice Abstracts - batch 1

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Nature of the deliverable		
<b>R</b>	Report	x
<b>DEC</b>	Websites, patents, filing, etc.	
<b>DEM</b>	Demonstrator	
<b>O</b>	Other	

Dissemination level		
<b>PU</b>	Public	x
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

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More information on the project can be found at: <http://agroreforest.eu/>

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## EXECUTIVE SUMMARY

The deliverable contains three Practical abstracts submitted to the EIP-AGRI project database. This is the first batch of the Abstracts, to be followed by a second batch nearer the end of the project. Several potential topics for the first set of abstracts were considered, and we have opted to demonstrate early progress in the project and present solutions that are readily useable and adaptable by the stakeholders. The abstracts showcase the knowledge inventory gathered by ReForest, FarmTree as an AF evaluation platform and a workflow integrating AF knowledge into primary or secondary school curricula.

## LIST OF ACRONYMS AND ABBREVIATIONS

Abbreviation	Definition
KI	Knowledge Inventory

## PRACTICAL ABSTRACTS

The following are three Practical Abstracts submitted to the EIP-AGRI project database. The abstracts are written up following the requirements of the common format, as communicated by EIP-AGRI.

### ABSTRACT 1

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**Title: Agroforestry in Primary Education**

**Objective:** To foster environmental awareness and responsibility among young people by integrating sustainability into the curriculum from an early age, particularly focusing on agroforestry and the impacts of agriculture on the environment.

**Result:** We utilise the wealth of agroforestry knowledge from the ReForest project to design educational materials tailored to primary education. The resources provided by the project offer a substantive reservoir of agroforestry expertise on many different types of systems in several locations.

**Benefits and Practical Recommendations:**

- **Curriculum Design:** Employ the breadth and depth of ReForest's informational resources to structure short curriculum modules specifically designed for primary education, illustrating fundamental agroforestry principles.
- **Narrative and Visual Aids:** Utilise narrative storytelling and visual aids linked to ReForest case studies, including illustrations and audiovisual materials, to stimulate intellectual curiosity.
- **Experiential Learning Opportunities:** Organise field excursions to agroforestry farms and facilitate collaborative projects within local communities, thereby affording learners firsthand exposure to real-world applications of agroforestry practices.

**How to use the results:** For educators and pupils alike, the agroforestry knowledge repository created by ReForest embodies an invaluable resource. By integrating sustainability into the curriculum, students gain a deeper understanding of food production and its links to the environment. The ReForest project has created a repository of agroforestry knowledge, which we integrate into primary education curriculum development and experiential learning initiatives.

**Web-link:** [https://eu-cap-network.ec.europa.eu/projects/agroforestry-forefront-farming-sustainability-multifunctional-landscapes-europe\\_en#practice-abstract--107480](https://eu-cap-network.ec.europa.eu/projects/agroforestry-forefront-farming-sustainability-multifunctional-landscapes-europe_en#practice-abstract--107480)



## ABSTRACT 2

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**Title:** Revolutionising Agroforestry with FarmTree

**Objective:** In today's agricultural arena, the call to balance profit with planet preservation rings louder than ever. We aim to make farming practices more sustainable by marrying scientific insights with on-the-ground expertise.

**Result:** FarmTree bridges the gap between theory and practice in design and application of agroforestry. Its innovative features empower farmers and decision-makers to scrutinise agroforestry systems before they are planted in the field.

**Benefits and Practical Recommendations:**

- **Performance Comparison:** Easily evaluate how agroforestry stacks up against traditional monocrop systems across various performance metrics.
- **Tailored Business Planning:** Craft personalised agroforestry business plans that optimise profit while enhancing soil health, conserving water, and promoting biodiversity.
- **Transparent Reporting:** Communicate your farm's environmental performance to consumers, investors, and policymakers.
- **Landscape Projections:** Generate customised landscape projections to bolster watershed management and combat drought and heat stress.
- **Governance Support:** Navigate the complexities of agroforestry governance, tapping into FarmTree's tools for online performance sharing and accessing incentives such as environmental subsidies.

**How to Use the Results:** For farmers and experts, FarmTree is a one-stop solution for transforming agricultural landscapes into thriving ecosystems. By harnessing scientific rigour and user-friendly technology, FarmTree empowers practitioners to make informed decisions that drive profitability while safeguarding the environment. FarmTree can be accessed at <https://www.farmtree.earth/>

**Web-link:** [https://eu-cap-network.ec.europa.eu/projects/agroforestry-forefront-farming-sustainability-multifunctional-landscapes-europe\\_en#practice-abstract--107479](https://eu-cap-network.ec.europa.eu/projects/agroforestry-forefront-farming-sustainability-multifunctional-landscapes-europe_en#practice-abstract--107479)

## ABSTRACT 3

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**Title:** A Comprehensive Knowledge Inventory for Agroforestry

**Objective:** Despite the known benefits of agroforestry in enhancing ecosystem services and farm productivity, we aim to create 'go to' site for farmers looking for current information and practical tools for designing and managing AF systems effectively.

**Result:** The ReForest project has developed a comprehensive Knowledge Inventory (KI) that equips European farmers with the latest resources to design and manage effective agroforestry systems. This KI includes a curated collection of practical tools, case studies, and research outputs, enabling farmers to easily access and apply the best available knowledge to enhance their farming practices.

**Benefits and Practical Recommendations:**

- **Agroforestry practices:** this land use improves farm productivity, and enhances ecosystem services like carbon capture and biodiversity.
- **Actionable Tools:** Each resource has an associated page which, along with technical information, and a brief description of what the resource contains, helping a user assess the relevance of the resource for their needs.
- **Innovation and Efficiency:** With the KI, farmers can innovate by integrating tree management into their crop and livestock operations, potentially reducing costs through improved resource use and enhancing overall farm resilience.

**How to Use the Results:** Farmers can access the KI through REFOREST's online platform, which serves as a hub for networking, sharing best practices, and accessing practical tools. This platform supports ongoing learning and adaptation, allowing farmers to continuously update their knowledge. ReForest's KI is a valuable resource that simplifies the adoption of agroforestry for farmers, making it easier to integrate trees into their farming systems. For more details and to access the KI, visit [www.agroreforest.eu](http://www.agroreforest.eu)

**Web-link:** [https://eu-cap-network.ec.europa.eu/projects/agroforestry-forefront-farming-sustainability-multifunctional-landscapes-europe\\_en#practice-abstract--107478](https://eu-cap-network.ec.europa.eu/projects/agroforestry-forefront-farming-sustainability-multifunctional-landscapes-europe_en#practice-abstract--107478)