



**DigitAF** >

# Online Agroforestry Tools and Data Catalogue

developing a complete, diverse and detailed database of the current digital agroforestry environment

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## Introduction

DigitAF aims to implement a multi-actor approach, directly engaging with and providing digital tools to actors whose decisions impact AF development. During initial interactions within the DigitAF consortium, the idea of creating a comprehensive catalogue of agroforestry-related tools and data emerged to support this objective.

## The Catalogue

It's already implemented in the DigitAF project website <https://digitaf.eu/tools-and-data-catalogue>.

The acceptance and willingness to help expand the catalogue is growing, mostly driven by DigitAF consortium members and developers of tools used within the Living Labs.

## Contribute!

We chose a **fully open-source and collaborative methodology**.

To foster some **“geekiness” in the agroforestry community**, users may contribute directly to the agroforestry catalogue repository, set within the GitHub EURAF Community [https://github.com/euraf/AF\\_FAIRness](https://github.com/euraf/AF_FAIRness).

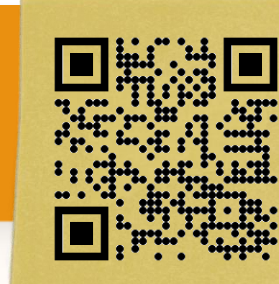
For those not comfortable with this approach, there is also a **form** within the catalogue for tool and data collection. It takes about 10-15 minutes to complete. **When the information is saved, it is automatically uploaded to the GitHub repository.**

**There will always be a quality assurance step before entries are published**, assuring that the minimum information is correctly provided, guaranteed by the ongoing support of the European Agroforestry Federation (EURAF).

## FAIRness score

For each of the tools and datasets a FAIRness score is calculated, based on the **FAIR principles** whose guidelines help to improve the **Findability, Accessibility, Interoperability and Reusability** of digital resources. Its final goal is to **help to increase accessibility and interoperability between tools and data whose developers and users seek continuous improvement.**

### Agroforestry Tools & Data FAIRness



Catalogue of **Agroforestry Tools**  
22 tools currently available

Add yours here

Add a new tool

Displaying 9 tools

Do a self-assessment of the FAIRness of your tool here.

IS A DIGITAF TOOL

- Yes (3)
- No (6)
- Don't know (0)

TESTED IN DIGITAF LIVING LABS

- Czech Republic LL (1)
- Finland LL (0)
- Germany LL (0)
- Italy LL (0)
- Netherlands LL (1)
- United Kingdom LL (0)

PRIMARY PURPOSE

- Research (5)
- Education and training (3)
- Decision support (8)

SYSTEMS

- Agriculture (4)
- Forestry (4)
- Agroforestry (8)
- Natural/Wild (1)
- Urban (1)



Betula

This tool helps farmers & advisors to develop an agroforestry plan. Step by step, the user is guided through all aspects that need attention, from goal & species selection to planting & management issues. Betula is part of the Agroforestry Planner.

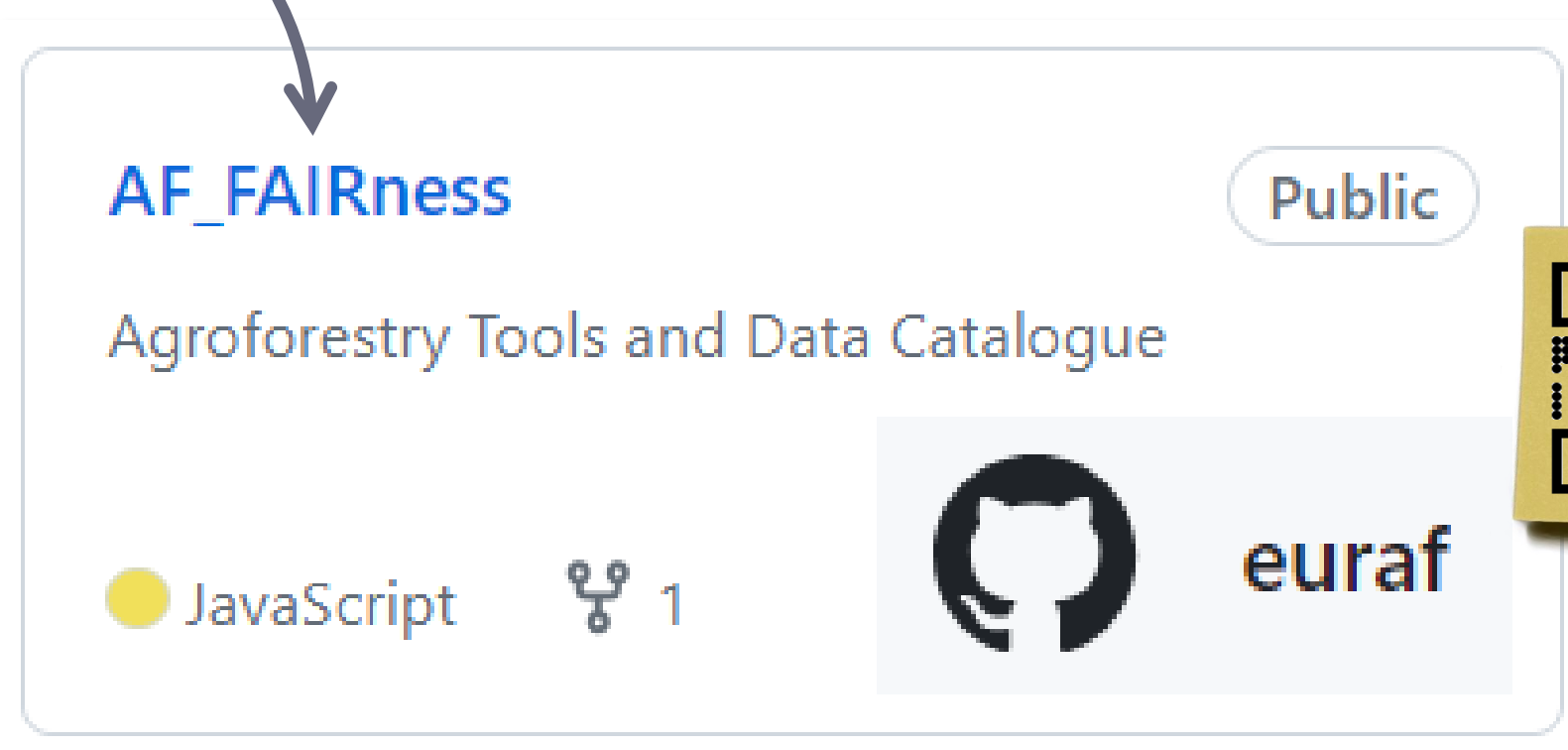
Crop Tree Livestock

Spatial scale: Plot Farm  
Time step: Not relevant  
FAIRness score: F 0%, A 40%, I 10%, R 25%

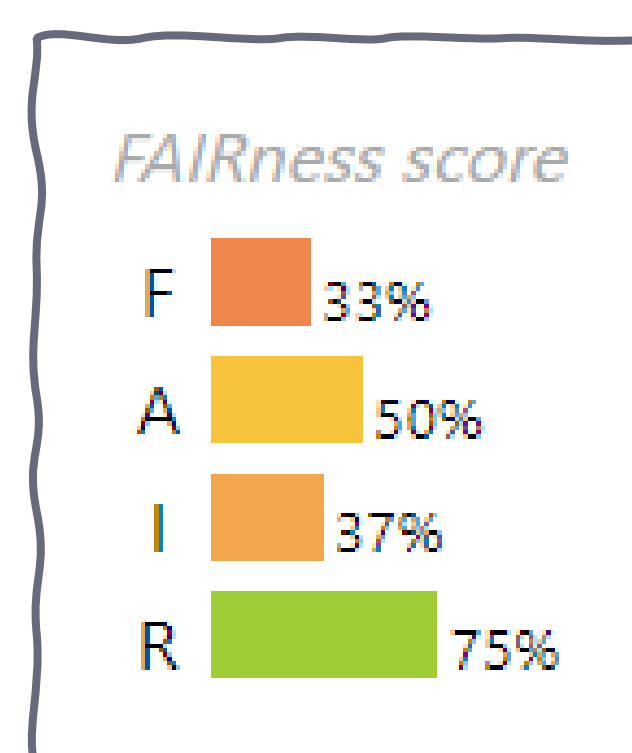
Stack: Oracle Apex  
License: Not stated

Catalogue of **Agroforestry Data**  
16 datasets currently available

Contribute here



Form for adding a new tool to the catalogue. Fields include: Name of the tool (CARAT - CARBon Agroforestry Tool), Link to the tool (https://shiny.ilvo.be/PLANT/CARAT\_v3/), Brief description (CARAT (CARBon Agroforestry Tool) is a tool to support farmers, researchers and/or policy actors in quant...), Link to a logo or image (https://ilvo.vlaanderen.be/uploads/images/\_900xAUTO\_fit\_center-center\_none/afbeelding1\_2023-09-19-4...), Primary purpose (Research, Education and training, Decision support), Keywords (Carbon simulation tool, temperate agroforestry, woody biomass, SOC), and Developers (Tom Coussemont, Eveline Baeyens, Dries de Bièvre, Annelie Elsen).



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