FAIRWOOD

Development of an international database based on FAIR principles to host xylogenesis data and improve understanding of wood formation and woody biomass production in the face of climate change
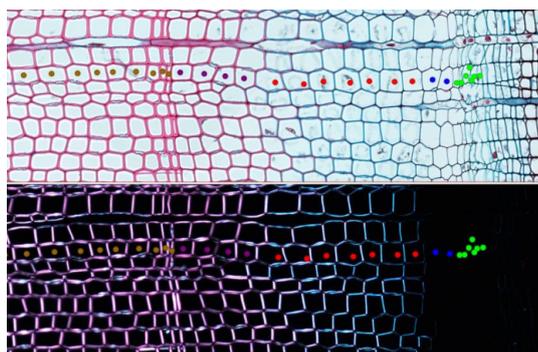
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The Fairwood project aims to construct an open relational database that adheres to the FAIR principles of data management and availability. It will bring together data on xylogenesis from numerous species and sites worldwide. The project's first two parts focus on constructing the database, with an initial emphasis on gymnosperms followed by angiosperms. The third section pertains to the creation of the CAVIAR R package, which is designed for the analysis of wood formation monitoring data.

This project will span two years and will consist of three workshops, each dedicated to one of the three components. The workshops will also allocate time for the preparation of scientific articles. The Fairwood project aims at better understanding of tree growth mechanisms and their ecological implications in the context of climate change. The project will also provide valuable information to researchers working on wood quality, dendroecology, forest health, and forest ecosystem services.

2024   2026   After   Return

This project was selected from the **2023 DataShare call** for proposals.