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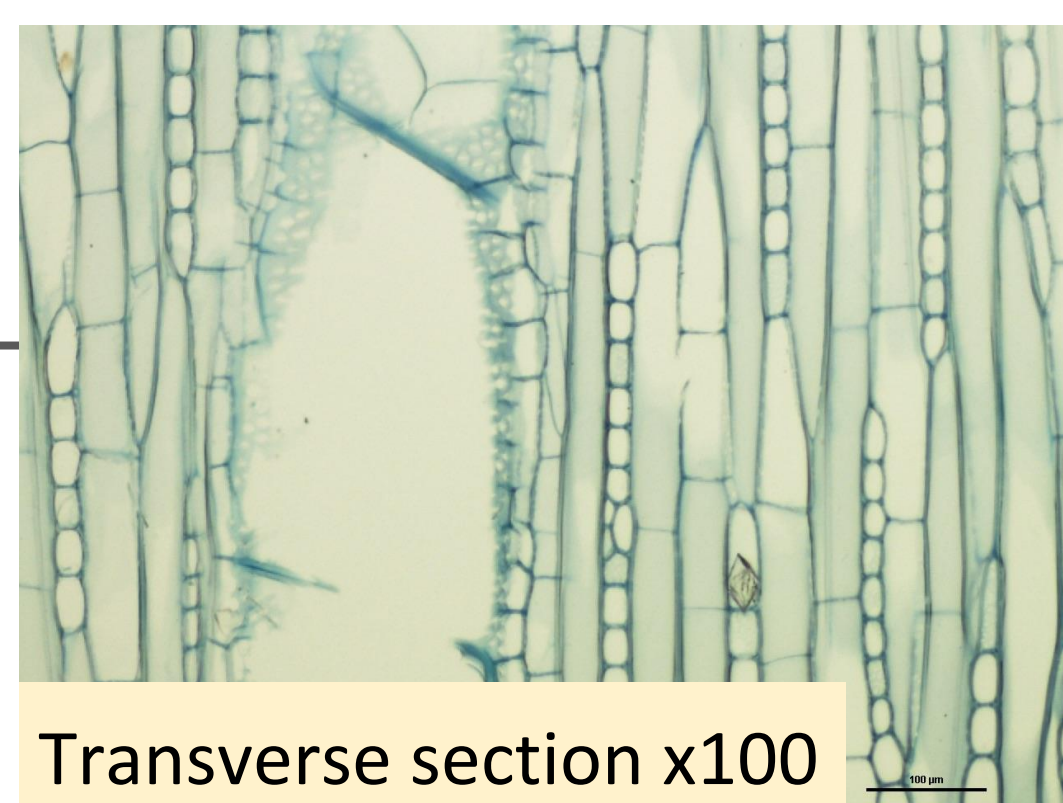
Purpose To enhance biodiversity knowledge and to promote accessibility to the scientific heritage of **wood collection** and **fieldwork documents** from one of the tropical biodiversity hotspots.

Taxonomic coverage 250 species, 244 genera, 102 families

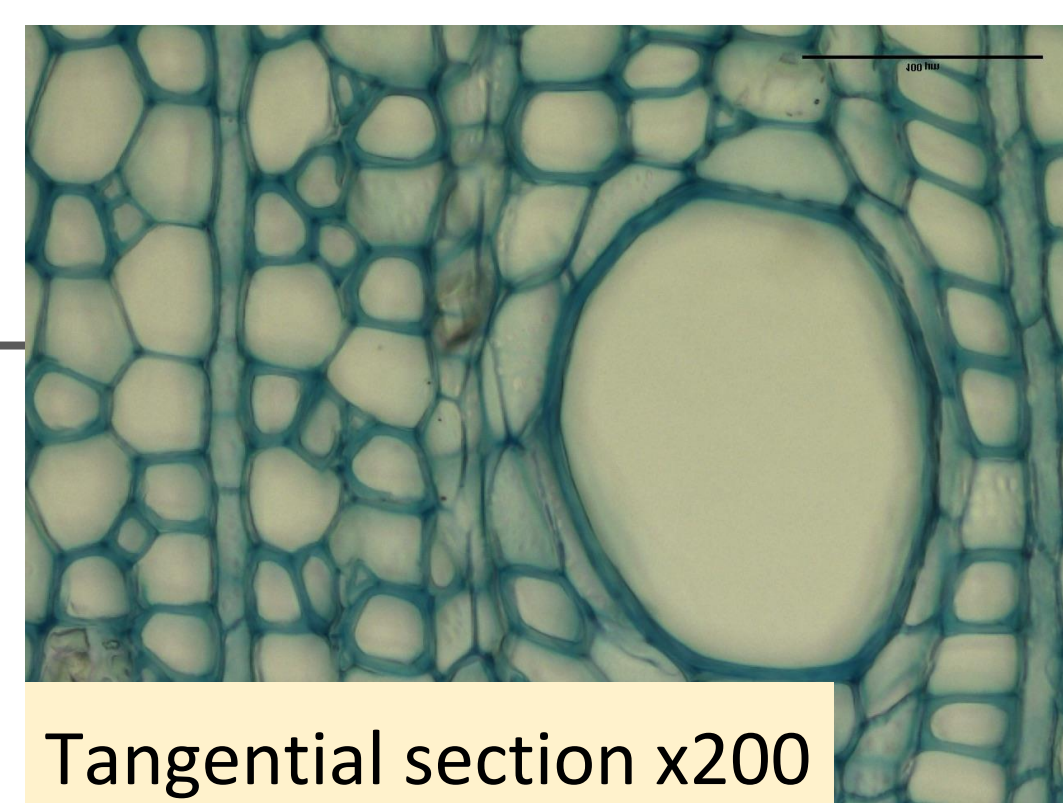
CIRAD's wood collection For each species: anatomical slides of 3 sections at 3 magnifications. Scientific collection since 1937.



Radial section x40



Transverse section x100



Tangential section x200

Trait coverage

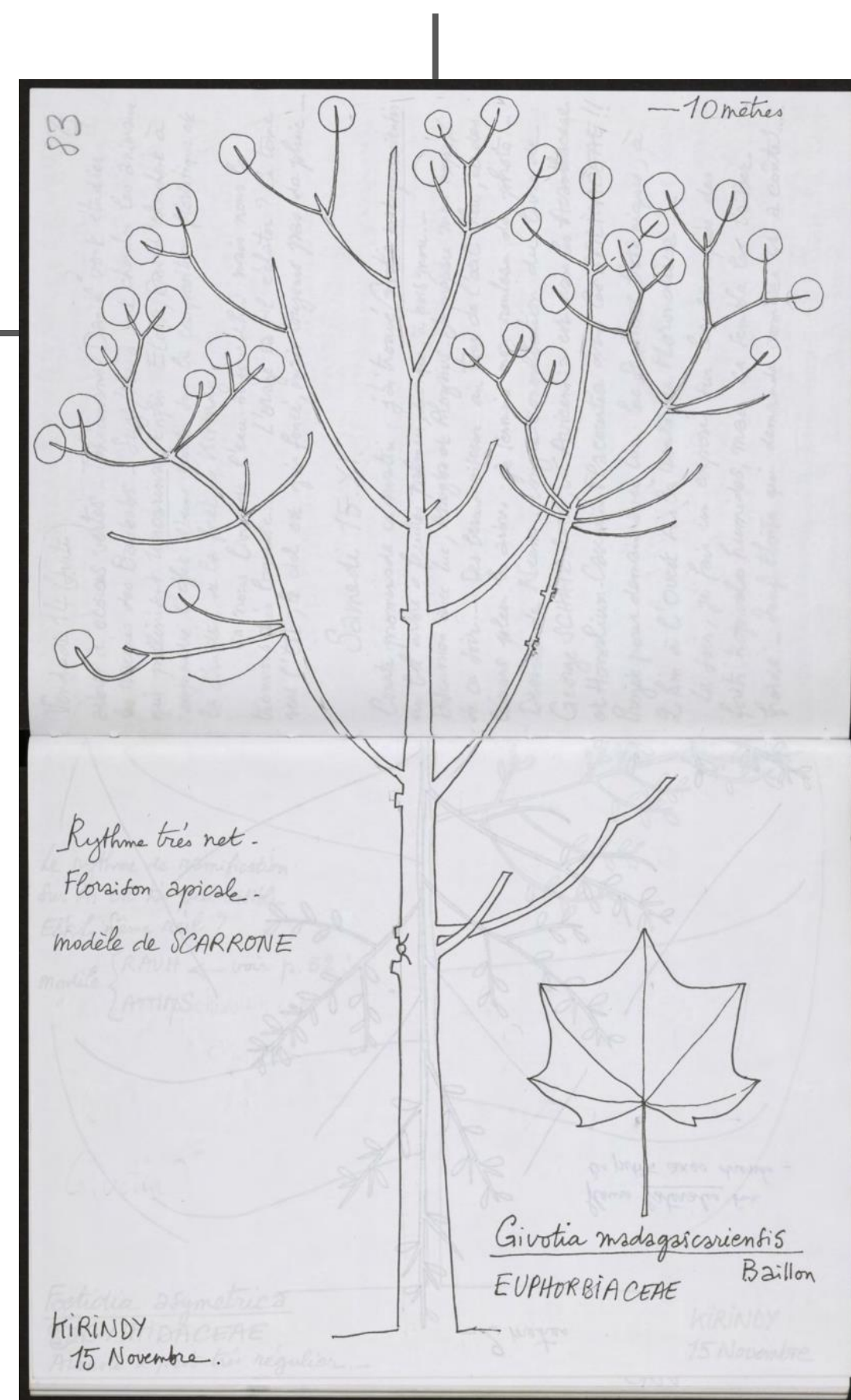
The International Association of Wood Anatomists Feature and Identification list (IAWA Committee 1989)



Fieldwork documents Notes, photographs and illustrations by French botanist Francis Hallé. Collection since 1970.

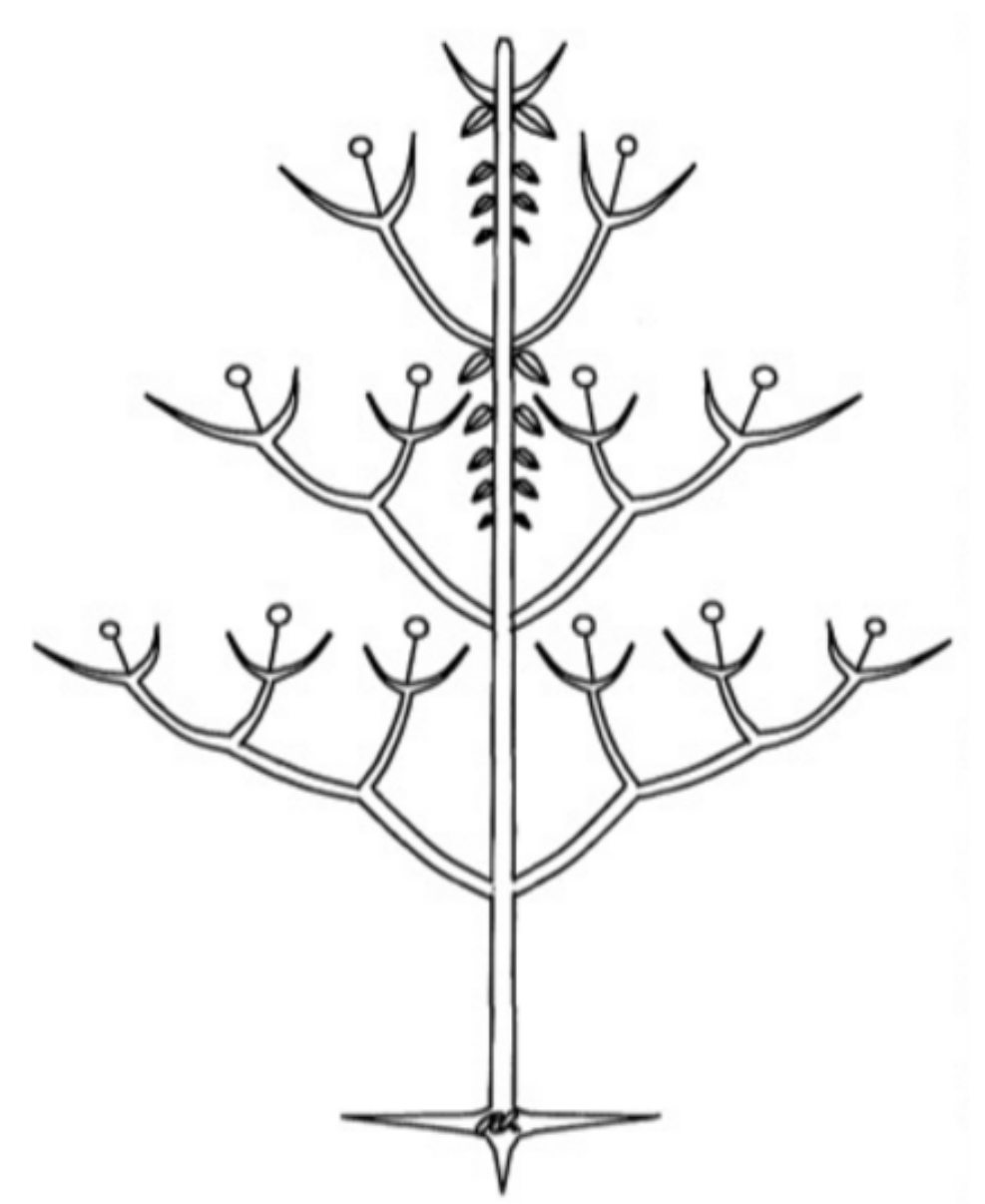
Trait coverage

15 morpho-architectural traits defined by Hallé & Oldeman (1970), Halle et al. (1978) and Barthélémy & Caraglio (2007).



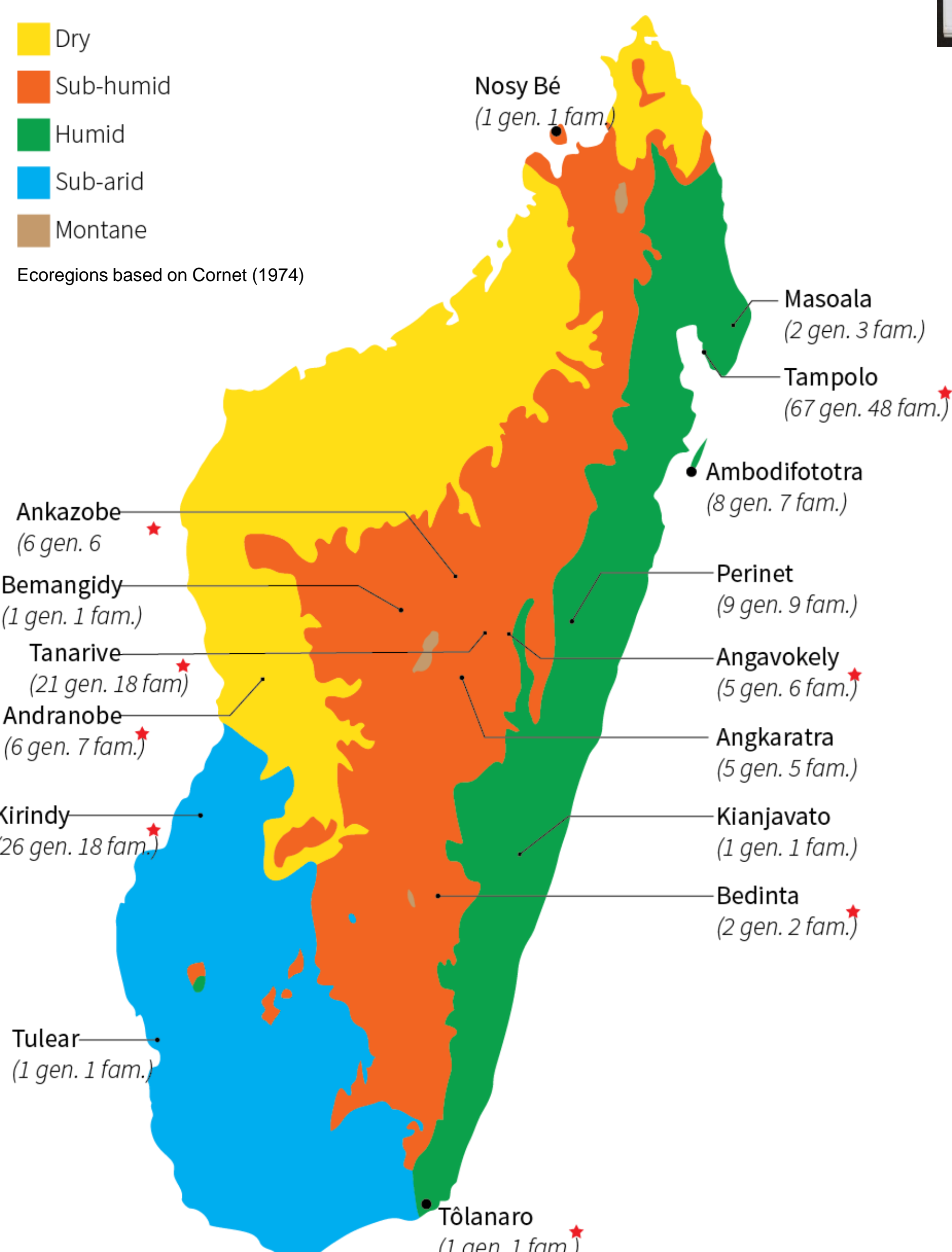
Growth form	Tree / shrub
Rhythmic growth	Yes
Branching process	Yes
Branching patterns	Delayed
Type of leaves	Simple
Phyllotaxis	Alternate
Leaf venation	Palmate
Petiole	Yes
Stipules	Yes
Position of sexuality	Terminal
Inflorescences type	-
Flower symmetry	-
Flower type	-
Fruit	-
Roots	Undergrowth

Architectural model Scarrone



Geographic coverage

Obtained from fieldwork documents



More on this dataset

Our dataset provides high resolution digitized **anatomical slides** and **fieldwork documents** as well as indexed information for each trait available. Morphological and architectural traits for a species or a set of species (genus, family) can be obtained as metadata for further analysis.

Those curated information may contribute to research such as:

- ❖ Biogeographical variation within species and genus in plant anatomy regarding the ontogeny and structure of sampled plants
- ❖ Diversity of wood characteristics and technological behaviors that directly govern the choice of tropical timber use
- ❖ Relationship between tropical wood structure and certain physical, mechanical, chemical, and biological properties of the material



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