

# Improving species delimitation for conservation planning in Malagasy *Donella* (Sapotaceae)

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## Workflow

**Donella** Pierre ex Baill (1892)

- small to large trees with typically five-seeded fruits
- 17 species accepted: six in Africa, 11 on Madagascar, one in the Indo-Pacific
- In Madagascar:
  - 10 out of the 11 species are endemic
  - 1 listed as Critically Endangered (CR), 3 Endangered (EN) &
  - 2 Vulnerable (VU) following the IUCN criteria

## First Research Question

1a. Are the morphological close species *D. delphinensis* and *D. analalavensis* distinct?

## Second Research Question

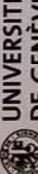
2a. Does the most common and morphologically variable *D. perrieri* represent only one species?2b. Is *D. humbertii* merely a seasonally dry forest form of *D. perrieri*?2c. Is *D. capuronii* merely a perhumid forest form of *D. perrieri*?2d. Can we find hybridization signals with *D. masoalensis*?

Delimiting species to provide sound data for conservation incentives



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