

Suitability of native tree species across regions of Rwanda in relation to climate sensitivity and ecosystem services

The suitability of Rwanda's native tree species is strongly influenced by its diverse elevation range (1,000–2,700 m). Species selection must align with local conditions—elevation, rainfall, soil moisture, and climate risks—while considering ecosystem service goals. Research on East and Central African tropical trees, based on studies in Rwanda, highlights their varied ecological roles and regional suitability. The findings reveal that relying on few species or short-term data limits accurate predictions of forest responses to climate change, underscoring the need for long-term, comprehensive datasets.



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