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## Climate Change Sensitivity of Photosynthesis and Respiration in Tropical Trees

Tropical climate is getting warmer, with more pronounced dry periods in large areas. The vitality, productivity and climate feedbacks of future tropical forests depend on the ability of trees to acclimate their physiological processes, such as photosynthesis and leaf respiration, to these new conditions. This thesis explores these responses in a broad range of tree species studied in the unique tropical elevation experiment Rwanda TREE. Findings on tree physiological responses to warming and drought contribute to reduce key knowledge gaps in global change ecology as well as ecosystem and climate modelling.

PH.D. THESIS



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