SUPPLEMENTARY MATERIAL

The effects of individual tree competition on growth-based resilience to a fastchanging climate

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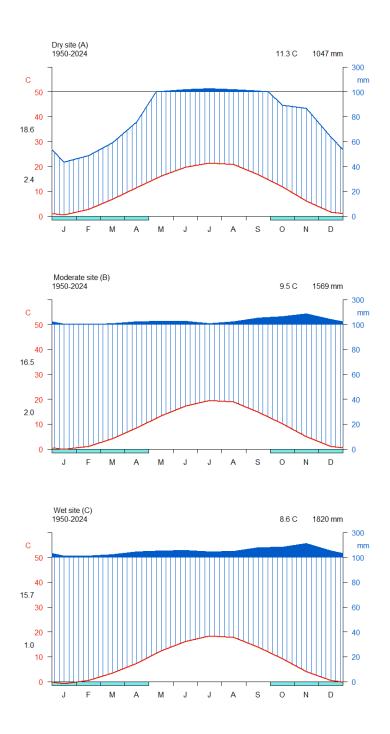


Figure S1. Walter and Leith climatic diagrams for the three locations of our study. Annual (top-right corner) and average monthly precipitation blue bars) are shown together with annual (top-right corner), and average monthly temperature (red line), average maximum and average minimum temperature (left side).

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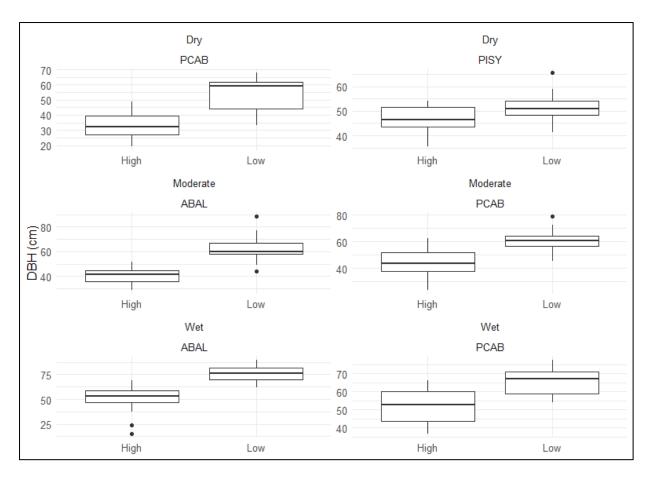


Figure S2. Boxplots showing diameter at breast height (DBH, cm) across each location and for each species and competition class. Trees belonging to the LOW competition class systematically show larger sizes and overall growth.

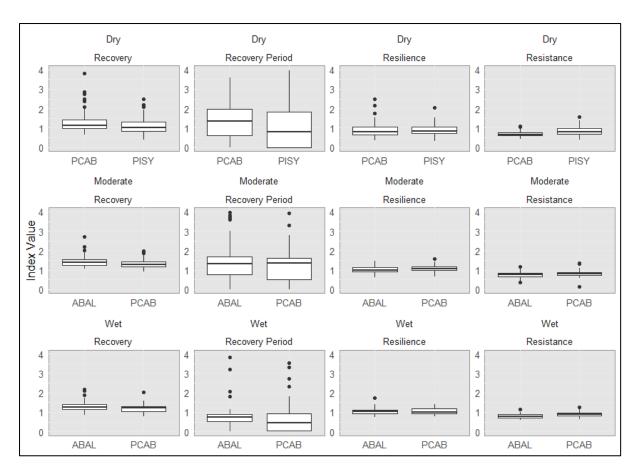


Figure S3. Boxplots showing the four resilience indices (Recovery, Recovery Period, Resilience and Resistance) across each location and for each species. Generally, species show comparable resilience with some differences. In the Dry site, PCAB shows a slightly higher capacity for Recovery than PISY while PISY shows higher Resistance. For the Moderate site, PCAB shows higher capacity for Recovery than ABAL while ABAL shows higher Resistance than PCAB. Contrarily, for the Wet site ABAL has higher Recovery while PCAB has higher Resistance.

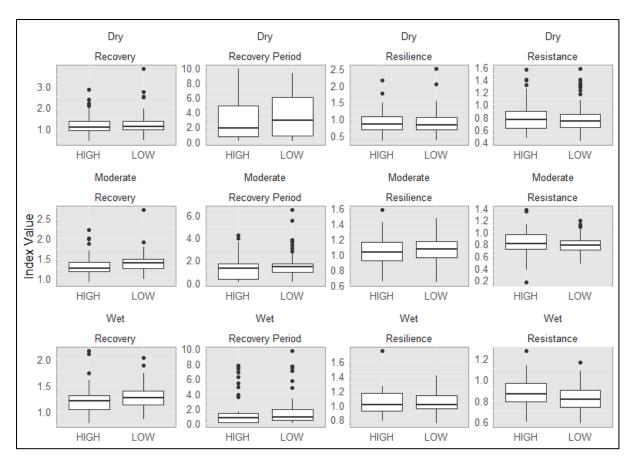


Figure S4. Boxplots showing the four resilience indices (Recovery, Recovery Period, Resilience and Resistance) across each location and for competition level, regardless of species. Resilience indices are very similar across competition classes and overall Resilience does not seem to be influenced by competition class. However, LOW competition trees systematically show faster Recovery than HIGH competition trees which on the other hand show higher Resistance than LOW trees.