**Methods**

SITE

* Field conditions
* Shade enclosure
* Species used

Species distribution model along elevational gradients

* 160 ha forest plot
* Digital terrain model

Wood density spatial analysis

* Global wood density database

Seed collection

Field experiment – mortality analysis

* Experimental design
* Environmental variables
* Seedling census

Seedling experiment – wood density change analysis

* Experimental design
* Treatments
* Explanatory variables
* Response variables

Statistical analysis

* Species elevational distribution
* Wood density elevational distribution
* Seedling mortality data analysis
* Seedling sensitivity analysis
* Wood density prediction
  + Adult
  + Seedling
* Wood density increases with more flooding
* Interact between flooding and water inundation
* Adult wood density predicts the change in seedling wood density
* Community similarity analysis

Reference to R