Supplemental information S1 Text

List of variables extracted and the categories and metrics considered

**Longitude** (decimal, if several sites, central location)
**Latitude** (decimal, if several sites, central location)
**Continent**
**Country**
**City** (nearest, if several sites were included, we used the central location)
**Elevation** (m, if several sites were included, we used the central location)
**Biome** (boreal, mangrove, Mediterranean, subtropical, temperate, tropical)
**Precipitation** (mm; if not reported we carried out a search for conditions in the closest city. If several sites were included, we used the central location)
**January average temperature** (°C; if not reported we carried out a search for conditions in the closest city. If several sites were included, we used the central location)
**July average temperature** (°C; if not reported we carried out a search for conditions in the closest city. If several sites were included, we used the central location)
**Type of forest** (natural, planted, mixed)
**Year of disturbance**
**Year of measurement**
**Years since disturbance**
**Disturbance** (clearing, drought, erosion, fire, flood, herbivory, logging, wind)
**Type of system** (management, natural)
**Context of recovery** (biomass reduction, diversity gradient, fertility, intrinsic [genetic differences], moisture gradient, second disturbance, severity).
**Control context of recovery description** (low intensity, low resources, no-management, no second disturbance).
**Treatment context of recovery description** (high intensity, high resources, management, second disturbance).
**Unit of context of recovery** (e.g., tree density, drought severity index, number of fires).
**Response metric description** (abundance/cover, change from previous condition, diversity, growth, reproduction, resilience)
**Units of response variable**
**Vegetation strata** (adult trees, all, bryophyte, epiphyte, forbs, graminoids, pteridophytes, saplings, seeds, seedlings, shrubs, understory, vines and woody).
**Source of response data** (table, figure, text, appendices).
**Control sample size.**
**Control context of recovery mean.**
**Control context of recovery SD.**
**Control response mean.**
**Control response SD.**
**Treatment sample size.**
**Treatment context of recovery mean.**
**Treatment context of recovery SD.**
**Treatment response mean.**
**Treatment response SD.**
We included and index of resilience as one of the recovery responses because this is a commonly used metric in the literature (e.g., Lloret et al. 2011, D’Amato et al. 2013). Several resilience indices have been described, in general they compare disturbance or post-disturbance performance with pre-disturbance tree radial growth, e.g., resilience: drought growth/pre-drought growth.