

Grouping of Venezuela's rain forest tree species

Table 1: Successional status (SS) of 127 of Venezuela's lowland tree species. No spp.: Number of species per SS. Abundance of trees with diameter >10cm in research plots in Caparo forest (1838 trees on 4.6 ha).

| Successional status | SS | No spp. | Abundance [%] |
|-------------------------|----|---------|---------------|
| Early successional spp. | 1 | 5 | 16.0 |
| Mid successional spp. | 2 | 56 | 20.2 |
| Late successional spp. | 3 | 62 | 28.6 |
| Palm spp. | 4 | 4 | 35.2 |

Table 2: Aggregation of 127 of Venezuela's lowland tree species into four height groups (HG). No spp.: Number of species per SG. Abundance of trees with diameter >10cm in research plots in Caparo forest (1838 trees on 4.6 ha). Understorey and lower canopy have two associated HG indices each, according to palm species which perform significant different growth forms.

| Name | Height [m] | HG | No spp. | Abundance [%] |
|--------------|--------------|------|---------|---------------|
| Shrubs | 0-15, d≤10cm | 1 | 25 | 0.0 |
| Understorey | 0-15, d>10cm | 2(5) | 32 | 9.6 |
| Lower canopy | 15-30 | 3(6) | 42 | 68.7 |
| Upper canopy | >30 | 4 | 28 | 21.7 |

Table 3: Autecological characteristics of plant functional types (PFTs) in the Caparo forest, Venezuela. Height and diameter range at maturity. SS: related successional status (Table 1). HG: related height group (Table 2). Total number of species in the different PFTs. Abundance of trees with diameter >10cm in research plots in Caparo forest (1838 trees on 4.6 ha).

| Plant functional type | Height [m] | PFT | HG | SS | No. spp. | Abundance [%] |
|--------------------------------------|---------------------|-----|----|----|----------|---------------|
| Shrub mid successional spp. | 0-15, d \leq 10cm | 1 | 1 | 2 | 18 | 0.0 |
| Shrub late successional spp. | 0-15, d \leq 10cm | 2 | 1 | 3 | 7 | 0.0 |
| Understorey early successional spp. | 0-15, d>10cm | 3 | 2 | 1 | 3 | 3.0 |
| Understorey mid successional spp. | 0-15, d>10cm | 4 | 2 | 2 | 11 | 3.6 |
| Understorey late successional spp. | 0-15, d>10cm | 5 | 2 | 3 | 17 | 2.9 |
| Lower canopy early successional spp. | 15-30 | 6 | 3 | 1 | 2 | 12.9 |
| Lower canopy mid successional spp. | 15-30 | 7 | 3 | 2 | 11 | 7.8 |
| Lower canopy late successional spp. | 15-30 | 8 | 3 | 3 | 26 | 12.7 |
| Upper canopy mid successional spp. | 30-40 | 9 | 4 | 2 | 16 | 8.7 |
| Upper canopy latesuccessional spp. | 30-40 | 10 | 4 | 3 | 12 | 13.0 |
| Understorey palm sp. | 0-15 | 11 | 5 | 4 | 1 | 0.0 |
| Lower canopy palm spp. | 15-30 | 12 | 6 | 4 | 3 | 35.2 |

Legend

Table 4: Legend of tree species lists of Venezuela

| Column | Description |
|---------|-------------------------------------|
| Family | Family name |
| Species | Species name |
| PFT | Plant Functional Type after Table 3 |
| SS | Successional status after Table 1 |
| HG | Height group after Table 2 |
| Code | Species code for identification |