

APPENDIX

TABLE 1

Variables resulting from selection, modification or extrapolation in the new dataset

Variable	Description
Id_number	Numeric identifier granted by the MNCR or the Herbarium.
Db_origin	Database of origin of the observation.
Family	Family Fabaceae.
Genus	Taxonomic genus of the plant.
Species	Genus and species of the plant.
Range	If it was identified at the species level or just genus.
Collection	Indicates to which collection the specimen was located within the museum or herbarium.
Record_type	Indicates what type of specimen you have: specimen, organisms, parts of the organism, etc.
Collector	Indicates the name of the collector person.
Companion	Indicates the name of the people accompanying the collector.
Initial_collection_date	Initial collection date.
Final_collection_date	Final collection date.
Country	Country where the specimen was collected.
Province	Province where the specimen was collected.
Canton	Canton where the specimen was collected.
District	District where the specimen was collected.
Latitude	Latitude where the specimen was collected.
Longitude	Longitude where the specimen was collected.
Notes	Observations regarding the specimen.
Altitude	Altitude at which the specimen was found.
Redlistcategory	Category in which the species is found in the IUCN.

Life_style	Habit of the specimen (Annual/Perennial, Climbing/Non-Climbing, Tree/Shrub/Grass) according to the classification of the International Legume Database and Information Service.
Life_zone	A classification of bioclimatic areas defined by the Holdridge life zones system, based on combinations of biotemperature, precipitation, and potential evapotranspiration ratio.
Biotemperature	Temperature in Celsius, mean annual.
Floor	Altitudinal belts, a subdivision within the Holdridge life zones that accounts for changes in bioclimatic conditions with altitude.
Precipitation	The total amount of water, in the form of rain, snow, sleet, or hail, that falls to the ground within a given time period (annual).
Accepted_specie_name	Accepted species name, obtained by consulting the database of the Royal Botanic Gardens at Kew and using the International Legume Database and Information Service.

TABLE 2

List of species that have not been documented in more than 40 years (in 20-year intervals).

Specie	Last recollection date	Year difference	Interval of years
<i>Mimosa sensitiva</i>	1894-10-31	130	120-140
<i>Desmodium orizabanum</i>	1912-10-27	112	100-120
<i>Mimosa polydactyla</i>	1934-12-08	90	80-100
<i>Desmodium sericeum</i>	1935-11-19	89	80-100
<i>Biancaea decapetala</i>	1938-08-12	86	80-100
<i>Melilotus indicus</i>	1943-06-12	81	80-100
<i>Acacia dentifera</i>	1948-07-04	76	60-80
<i>Lathyrus odoratus</i>	1949-06-04	75	60-80
<i>Medicago sativa</i>	1949-06-04	75	60-80
<i>Senna bacillaris</i>	1963-12-15	61	60-80
<i>Medicago arabica</i>	1967-01-28	57	40-60
<i>Desmodium molliculum</i>	1971-08-30	53	40-60
<i>Lysiloma divaricatum</i>	1971-11-17	53	40-60
<i>Piliostigma malabaricum</i>	1972-02-02	52	40-60

<i>Acacia verticillata</i>	1973-03-01	51	40-60
<i>Crotalaria juncea</i>	1976-01-01	48	40-60
<i>Melilotus albus</i>	1983-04-11	41	40-60
<i>Trifolium pratense</i>	1984-02-12	40	40-60
<i>Vicia sativa</i>	1984-02-12	40	40-60

TABLE 3
Number of genera and species by canton.

Canton	Genera	Species
Abangares	23	38
Acosta	45	101
Alajuela	33	49
Alajuelita	26	38
Alvarado	8	11
Aserrí	26	65
Atenas	10	11
Bagaces	84	207
Barva	17	28
Belén	15	24
Buenos Aires	65	146
Cañas	23	34
Carrillo	14	17
Cartago	32	54
Corredores	8	9
Coto Brus	49	113
Curridabat	8	9
Desamparados	23	37

Dota	15	28
El Guarco	13	19
Escazú	24	37
Esparza	23	32
Flores	4	5
Garabito	53	99
Goicoechea	26	32
Golfito	72	174
Grecia	26	36
Guácimo	7	10
Guatuso	22	37
Heredia	33	52
Hojancha	15	19
Jiménez	8	10
La Cruz	89	225
La Unión	16	27
León Cortés Castro	6	14
Liberia	74	186
Limón	40	81
Los Chiles	34	69
Matina	21	35
Montes de Oca	12	14
Montes de Oro	9	10
Mora	52	111
Moravia	7	13
Nandayure	51	87



Naranjo	3	6
Nicoya	48	83
Oreamuno	7	10
Orotina	13	13
Osa	79	201
Paraíso	27	48
Parrita	18	19
Pérez Zeledón	43	81
Poás	22	44
Pococí	51	125
Puntarenas	73	177
Puriscal	62	127
Quepos	50	78
San Carlos	36	90
San Isidro	3	3
San José	33	52
San Mateo	3	3
San Pablo	2	2
San Rafael	2	3
San Ramón	40	91
Santa Ana	40	68
Santa Bárbara	2	2
Santa Cruz	44	65
Santo Domingo	33	48
Sarapiquí	47	104
Sarchí	4	7



Siquirres	13	24
Talamanca	59	123
Tarrazú	31	57
Tibás	4	4
Tilarán	21	45
Turrialba	34	62
Turrubares	59	126
Upala	48	111
Vázquez de Coronado	18	29
Zarcero	2	4

TABLE 4

Number of species according to the life zones of the Holdridge Life Zone Classification System.

Life zones	zone	Number of species
Very Humid Low Montane Forest Transition to Humid	bmh-MB10	3
Tropical Dry Forest Transition to Wet	bs-T2	18
Low Montane Humid Forest	bh-MB	26
Lower Montane Rainforest	bp-MB	35
Very Humid Premontane Forest Transition to Rainforest	bmh-P4	53
Tropical Wet Forest Transition to Dry	bh-T10	87
Premontane Rainforest	bp-P	89
Tropical Humid Forest Transition to Perhumid	bh-T2	98
Very Humid Low Montane Forest	bmh-MB	98
Very Humid Tropical Forest Transition to Premontane	bmh-T12	103
Tropical Dry Forest	bs-T	188
Tropical Humid Forest Transition to Premontane	bh-T12	191
Premontane Humid Forest	bh-P	196
Premontane Humid Forest Transition to Basal	bh-P6	266

Very Humid Tropical Forest	bmh-T	309
Very Humid Premontane Forest Transition to Basal	bmh-P6	341
Very Humid Premontane Forest	bmh-P	352
Tropical Moist Forest	bh-T	386

TABLE 5
Species classified as critically endangered (Critically Endangered), and in danger of extinction (Endangered) according to the IUCN Red List of Threatened Species.

Red list category	Species
Critically Endangered	<i>Paramachaerium gruberi</i>
Critically Endangered	<i>Dalbergia retusa</i>
Critically Endangered	<i>Dalbergia glomerata</i>
Critically Endangered	<i>Platymiscium parviflorum</i>
Critically Endangered	<i>Lathyrus odoratus</i>
Endangered	<i>Inga tenuiloba</i>
Endangered	<i>Tachigali versicolor</i>
Endangered	<i>Lonchocarpus haberi</i>
Endangered	<i>Swartzia maquenqueana</i>
Endangered	<i>Dalbergia tilarana</i>
Endangered	<i>Phaseolus dumosus</i>
Endangered	<i>Muelleria unifoliolata</i>
Endangered	<i>Dalbergia melanocardium</i>
Endangered	<i>Copaifera camibar</i>
Endangered	<i>Styphnolobium montevidis</i>
Endangered	<i>Dahlstedtia calcarata</i>
Endangered	<i>Macrolobium herrerae</i>
Endangered	<i>Inga golfodulcensis</i>
Endangered	<i>Inga herrerae</i>
Endangered	<i>Swartzia phaneroptera</i>

Endangered	<i>Ormosia intermedia</i>
Endangered	<i>Inga umbilicata</i>
Endangered	<i>Inga canonegrensis</i>
Endangered	<i>Calliandra grandifolia</i>
Endangered	<i>Zygia confusa</i>
Endangered	<i>Ateleia herbert-smithii</i>
Endangered	<i>Pithecellobium johansenii</i>
Endangered	<i>Zygia rubiginosa</i>
Endangered	<i>Inga stenophylla</i>
Endangered	<i>Inga bracteifera</i>
Endangered	<i>Styphnolobium parviflorum</i>
Endangered	<i>Styphnolobium sporadicum</i>
Endangered	<i>Dalbergia tucurensis</i>
Endangered	<i>Lonchocarpus alternifoliolatus</i>

