Model Integration Sheet

LTS Chile Multi-sectoral Model

Sector: Forestry and biodiversity

| Class | Type | Name | Units | Variation Range | Notes | Coding |
| --- | --- | --- | --- | --- | --- | --- |
|  | Policy parameters | Area by year  Cost per hectare recovered | Ha  USD/ha | 0 - 200000  2000-5000 | Times series | Diseno\_Medida\_por\_an  OPEX\_Unitario[BN\_recuperacion] |
| Uncertain Parameters | Disturbance area by fire  Disturbance by fire area (croplands and grasslands)  Firewood demand  National GDP  Population Levels | ha  ha  m3  USD/year  N° of people | NA  NA  NA  Different scenarios  (sent by Luis González)  Different scenarios  (sent by Luis González) | Time series  Time series  Input from Energy  Time series  Time series | P\_IncNativo  P\_IncPlant  Ha\_Incendios  Pyparams\_interface [especies nativas]  Pyparams\_interface [especies exóticas]  Pyparams\_interface[IncertidumbrePIB]  Pyparams\_interface[IncertidumbrePoblacion] |
| Output | DAMI | Emission from Forest Land Remaining Forest Land | MM t CO2/ years  MM t CH4/ years  MM t N2O/ years | NA |  | Output Object  EM\_TF\_que\_permanecen |
| DAMI | Emission from Land Converted to Forest Land | MM t CO2/ years | NA |  | Output Object  EM\_tierras\_conv |
| DAMI | Emission from Cropland Remaining Cropland | MM t CH4/ years  MM t N2O/ years | NA |  | Output Object  X\_perm\_como\_Tales |
| DAMI | Emission from Land Converted to Cropland | MM t CO2/ years | NA |  | Output Object  Tierras\_a\_X\_por\_gas |
| DAMI | Emission from Grassland Remaining Grassland | MM t CH4/ years  Kt N2O/ years | NA |  | Output Object  X\_perm\_como\_Tales |
| DAMI | Emission from Land Converted to Grassland | MM t CO2/ years | NA |  | Output Object  Tierras\_a\_X\_por\_gas |
| DAMI | Emission from Land Converted to Wetlands | MM t CO2/ years | NA |  | Output Object  Tierras\_a\_X\_por\_gas |
| DAMI | Emission from Land Converted to Settlements | MM t CO2/ years | NA |  | Output Object  Tierras\_a\_X\_por\_gas |
| DAMI | Emission from Land Converted to Other lands | MM t CO2/ years | NA |  | Output Object  Tierras\_a\_X\_por\_gas |
| DAMI | Total OPEX | MM USD | NA |  | Output Object  OPEX\_Total\_Escenario |