

# Colombian Regulatory Crosswalk Summary

## Overview

This page summarizes how 6 Colombian regulatory frameworks map to the 71 Cleantech Taxonomy nodes. Each framework column in the taxonomy indicates whether a given cleantech category is aligned (Y), partially aligned (partial), or not aligned (N) with that framework's scope.

## Framework Coverage Matrix

| Framework   | Column                 | Y  | Partial | N  | Scope                        |
|-------------|------------------------|----|---------|----|------------------------------|
| NDC 2030    | col_ndc2030_aligned    | 52 | 9       | 10 | Economy-wide climate targets |
| SISCLIMA    | col_sisclima_relevant  | 47 | 14      | 10 | Institutional coordination   |
| CONPES 4075 | col_conpes4075         | 17 | 17      | 37 | Energy transition only       |
| Ley 2169    | col_ley2169            | 49 | 14      | 8  | Climate action (broadest)    |
| Ley 2099    | col_energy_transition  | 17 | 11      | 43 | Energy transition only       |
| COP16 Cali  | col_cop16_biodiversity | 12 | 8       | 51 | Biodiversity only            |

## Key Observations

- **Broadest coverage:** NDC 2030 and Ley 2169 cover 85-90% of taxonomy nodes — they are economy-wide frameworks.
- **Narrowest coverage:** COP16 Cali (17%) and CONPES 4075/Ley 2099 (24% each) — these are domain-specific.
- **Energy nodes:** All 6 frameworks touch energy (EN sector) — the strongest cross-framework convergence.
- **AFOLU nodes:** Strong alignment with NDC, SISCLIMA, Ley 2169, and COP16 — but weak in energy transition frameworks.
- **Gap areas:** Alternative meat/dairy (CT-AF-009/010), nuclear (CT-EN-003), aircraft (CT-TR-005), textiles (CT-WA-003) align with zero or one framework.

# How to Use

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Query the Cleantech Taxonomy via BookStack API to find nodes aligned with specific frameworks:

```
GET /api/search?query=[col_ndc2030_aligned=Y] [col_cop16_biodiversity=Y]
```

This returns all nodes that align with BOTH the NDC 2030 AND COP16 biodiversity commitments — useful for identifying climate-biodiversity co-benefit opportunities.

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