CT-IC-004 — Climate Data Platforms & APIs

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schema_version	1.1
last_updated	2026-05-27

Description

Open and commercial platforms that aggregate, process, and distribute climate, weather, and environmental data via APIs and dashboards. Includes national hydrometeorological services, climate reanalysis products, and digital infrastructure for climate-informed decision making across sectors.

Colombia Context

IDEAM operates DHIME (Sistema de Informacion Hidrologica y Meteorologica) as the national reference for climate data. MinTIC's Colombia Digital strategy promotes open data portals including datos.gov.co which hosts environmental datasets. SISCLIMA requires climate data integration across sectoral nodes (agriculture, energy, transport). The Tercer Comunicacion Nacional and subsequent NDC updates depend on robust climate data infrastructure. Colombia's vulnerability to El Nino/La Nina cycles makes climate data platforms critical for early warning and adaptation planning.

EUDR Relevance

Indirect EUDR relevance. Climate data platforms support deforestation risk assessment by providing precipitation, temperature, and drought indices that correlate with deforestation drivers. Climate APIs enable automated risk scoring in EUDR due-diligence workflows.

CTH Data Coverage

Strong CTH coverage. The Origo platform itself functions as a climate data API. CLP cohort includes climate data startups. The sovereign-climate-data wiki (wiki.cleantechhub.net) catalogs climate data sources for LATAM. CTH Research platform aggregates climate intelligence for decision support.

Green Finance Alignment

Limited direct green finance alignment. Climate data platforms are enablers rather than financed activities. TVC does not include a specific category for data platforms, though they support eligibility verification for multiple TVC-aligned sectors. CBI uses climate data for certification verification but does not certify data platforms.


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