Carbon Markets Infrastructure

Source Metadata

Field	Value
source	cpi
source_version	GLCF 2025
source_id	CPI-XS-001
sector	Cross-Sectoral
subsector	Carbon Markets Infrastructure
mitigation	Y
adaptation	N
last_checked	2026-05-26

CPI Definition & Scope

Carbon Markets Infrastructure in CPI's GLCF framework tracks climate finance directed at establishing and strengthening carbon pricing mechanisms and voluntary carbon market infrastructure. CPI captures investment in emissions trading system (ETS) design and implementation, carbon credit registries, MRV systems for carbon projects, carbon market intermediaries and exchanges, and Article 6 cooperative mechanism development under the Paris Agreement. Carbon markets are a key channel for mobilizing private climate finance, and CPI tracks both the direct investment in market infrastructure and the finance flows channeled through carbon pricing mechanisms.

Subsectors & Examples

- **Emissions Trading Systems** — cap-and-trade design, allowance auctions, registry systems
- **Voluntary Carbon Markets** — credit registries (Verra, Gold Standard), verification infrastructure
- **Article 6 Mechanisms** — cooperative approaches, internationally transferred mitigation outcomes (ITMOs)
- **Carbon Credit MRV** — satellite-based verification, digital MRV platforms, third-party auditing
- **Carbon Pricing Advisory** — technical assistance for carbon tax and ETS implementation

Mitigation & Adaptation Classification

Carbon markets infrastructure is classified as **mitigation** in CPI's framework. Carbon pricing mechanisms create financial incentives for emission reductions across all sectors. The infrastructure itself is an enabling investment that catalyzes mitigation action by putting a price on carbon and channeling finance to emission reduction projects. While some carbon projects deliver adaptation co-benefits, the market infrastructure is fundamentally mitigation-oriented.

LATAM Relevance

Latin America is an active participant in carbon markets. Colombia implemented Latin America's first carbon tax in 2017 and is developing a domestic ETS. Mexico launched a pilot ETS. Peru's Amazon hosts numerous REDD+ carbon projects. Costa Rica is a pioneer in results-based payments for forest carbon. The region generates significant voluntary carbon market supply from forestry and renewable energy projects. Article 6 bilateral agreements between Latin American and European countries are being negotiated, creating new infrastructure needs for ITMO tracking and verification.

Cleantech Taxonomy Crosswalk

Maps to Cleantech Taxonomy sector **XS** (Cross-Sectoral) for carbon market infrastructure. Cross-references with **AF** (AFOLU) for forestry carbon projects, **IC** (ICT) for digital MRV platforms, and **ES** (Energy Systems) for renewable energy carbon credits.

Revisión #2
Creado 2026-05-27 03:39:08 UTC por Gideon Blaauw
Actualizado 2026-05-27 03:51:33 UTC por Gideon Blaauw