

# CT-IN-003 — Cement & Construction Materials Decarbonisation

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iea_aligned	Y — IEA ETCS covers cement and construction materials
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## Description

Technologies for reducing carbon emissions from cement production and construction materials manufacturing. Includes clinker substitution (fly ash, slag, calcined clay), alternative fuels for kilns, carbon capture and utilization (CCU), novel low-carbon cements, and circular economy approaches to construction waste.

## Colombia Context

Colombia is a major cement producer in Latin America, led by Grupo ARGOS (Cementos Argos) and Cemex Colombia. ARGOS has committed to 30% emissions reduction by 2030 and is piloting clinker substitution and

alternative fuels at its Colombian plants. The cement sector is one of Colombia's largest industrial emitters, subject to reporting under MinAmbiente's GHG registry. The NDC industrial sector target includes cement decarbonisation. CONPES 4075 efficiency targets apply to cement kilns. Colombia's construction boom (infrastructure 5G program) creates both demand pressure and opportunity for low-carbon materials adoption.

## EUDR Relevance

No direct EUDR relevance. Cement and construction materials do not intersect with EUDR-regulated commodity supply chains.

## CTH Data Coverage

Limited CTH coverage. CLP cohort has not focused on construction materials. Partial data coverage through CTH Research tracking of industrial emissions and ARGOS sustainability reporting. Cement decarbonisation represents an underserved opportunity in the CTH portfolio.

## Green Finance Alignment

Strong green finance alignment for verified low-carbon cement. TVC covers industrial decarbonisation activities. CBI certifies cement projects achieving verified emissions reductions. EU Taxonomy includes cement manufacturing with specific emission intensity thresholds. IEA ETCS tracks cement as a priority hard-to-abate sector. ARGOS has issued green bonds for decarbonisation investments.

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