

# CT-IN-004 — Circular Economy & Industrial Symbiosis

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## Description

Systems and business models that keep materials in productive use through reuse, remanufacturing, recycling, and industrial symbiosis (where one industry's waste becomes another's input). Includes waste-to-resource platforms, extended producer responsibility schemes, and circular design methodologies.

## Colombia Context

Colombia's Estrategia Nacional de Economía Circular (National Circular Economy Strategy, 2019) is one of the most comprehensive in Latin America. CONPES 3874 (2016) established the national solid waste management policy that underpins circular economy targets. MinAmbiente leads circular economy implementation with sectoral action plans for packaging, construction, biomass, and manufacturing. Bogota's UAESP is piloting industrial symbiosis zones. Colombia hosts the LATAM Circular Economy Coalition. MinCIT promotes circular economy practices among MIPYMES (micro, small, and medium enterprises) through technical assistance programs.

# EUDR Relevance

Limited EUDR connection. Circular economy in agricultural commodity processing (e.g., coffee pulp valorization, palm kernel shell biomass) intersects with EUDR commodity value chains at the post-harvest stage.

# CTH Data Coverage

Good CTH coverage. CLP cohort has included circular economy startups. Sustenttia diagnostics include waste management and material efficiency metrics. CTH Research tracks circular economy policy and innovation in LATAM. REIN Hub maps circular economy solution providers.

# Green Finance Alignment

Good green finance alignment. TVC covers circular economy under industry sector. CBI certification is possible for circular economy projects with measurable emissions reduction. EU Taxonomy's circular economy objective (one of six environmental objectives) provides substantial coverage. CPI tracks growing circular economy finance flows. CONPES 3874 enables green bond eligibility for waste management investments.

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