CT-WW-004 — Urban Flood Resilience

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Description

Infrastructure and systems for urban flood prevention, mitigation, and management. Covers stormwater management, sustainable urban drainage systems (SUDS), flood early warning systems, floodplain management, and nature-based solutions for urban water retention.

Colombia Context

Bogotá and Cali face recurrent urban flooding, particularly during La Niña episodes which bring above-average rainfall to the Andean region. Bogotá's Río Bogotá and Cali's Río Cauca have extensive flood-prone zones affecting hundreds of thousands of residents. UNGRD (Unidad Nacional para la Gestión del Riesgo de Desastres) coordinates national flood risk management. Colombia's NDC 2030 adaptation component prioritizes flood resilience in vulnerable urban areas. Ley 2169 mandates climate risk assessment in urban planning. The 2010-2011 La Niña event caused over $7 billion in flood damages nationally, catalyzing investment in flood

resilience infrastructure. IDEAM provides hydrological monitoring and flood early warning services.

EUDR Relevance

This node has no direct EUDR commodity relevance.

CTH Data Coverage

Not currently covered by CLP or Sustenttia. Urban flood resilience is primarily a municipal infrastructure domain. CTH could support data coverage through climate risk analytics for urban areas where EUDR supply chain actors operate.

Green Finance Alignment

TVC covers flood resilience infrastructure under the Agua sector. CBI Water criteria include flood management and drainage infrastructure. EU Taxonomy adaptation criteria (Objective 2) are directly applicable to flood resilience investments. Climate resilience bonds are an emerging instrument class — Bogotá and other Colombian cities could issue adaptation-focused green bonds backed by flood infrastructure assets. UNGRD's disaster risk reduction framework supports the eligibility narrative.


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