

Source Alignment Map

How the Four Sources Align

Each Cleantech Taxonomy sector draws from multiple upstream sources. This map shows where sources overlap, where they diverge, and where CTH extensions fill gaps none of them cover.

Sector-by-Sector Alignment

Energy Systems (ES)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
Energy Systems sector — renewable generation, grids, storage, fossil fuel transition	Climate Mitigation: Energy (generation, transmission, storage)	Energy Supply + Cross-Cutting (full technology-level depth)	Energy sector criteria (solar, wind, geothermal, bioenergy, storage)	CT-EX-010 Pico-solar, CT-EX-012 Artisanal cleantech, CT-EX-013 Productive energy use

Convergence: All 4 sources cover core renewables (solar, wind, hydro, geothermal, biomass). IEA provides deepest technology-level granularity. CBI adds bond eligibility criteria. **Gap:** None of the 4 sources adequately cover off-grid/informal economy energy access — CTH fills this with 3 extension nodes.

Transport (TR)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
Transport sector — road, rail, maritime, aviation	Climate Mitigation: Transport activities	End-Use: Transport (EVs, H2 vehicles, fuel cells)	Transport criteria (rail, EVs, maritime, cycling)	None — adequately covered

Convergence: Strong overlap across all 4 sources on EVs, rail, and modal shift. **Gap:** Micro-mobility (e-bikes, 3-wheelers) covered by CBI but underrepresented in CPI and IEA.

Buildings & Infrastructure (BU)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
Buildings & Infrastructure sector	Climate Mitigation: Buildings (new + renovation)	End-Use: Buildings (heat pumps, efficiency)	Buildings criteria (efficiency, certification)	None — adequately covered

Convergence: All 4 cover energy efficiency and green construction. EU Taxonomy most prescriptive (TSC thresholds). **Gap:** Affordable/social green housing only in CBI; transport infrastructure sits between BU and TR sectors.

Industry (IN)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
Industry sector — manufacturing, heavy industry, hydrogen	Climate Mitigation: Manufacturing	End-Use: Industry (electrification, H2, CCS) + Critical Minerals	Industry criteria (cement, steel, chemicals)	None — adequately covered

Convergence: Hard-to-abate (steel, cement, chemicals) covered by all. IEA adds critical minerals depth. **Gap:** Light manufacturing in LATAM context not well covered by any source.

AFOLU (AF)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
AFOLU sector — agriculture, forestry, land use, fisheries	Climate Mitigation: Forestry & environmental protection; Biodiversity objective	N/A (energy-focused)	Land Use, Marine Resources & Biodiversity	CT-EX-001 to CT-EX-009 (adaptation, NbS, bioeconomy) + CT-EX-018 to CT-EX-021 (EUDR supply chain)

Convergence: CPI, EU Taxonomy, and CBI all cover forestry/reforestation. **Major gap:** IEA has zero AFOLU coverage. None of the 4 sources cover smallholder adaptation, community reforestation, silvopastoral systems, PES platforms, or EUDR compliance services — CTH fills this with 13 extension nodes, the largest gap category.

Waste (WA)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
Waste sector	Climate Mitigation: Water, Sewerage & Waste; Circular Economy objective	N/A	Waste & Pollution Control	None

Water & Wastewater (WW)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
Water & Wastewater sector	Water & Marine Resources objective	N/A	Water criteria (treatment, efficiency, flood resilience)	None

ICT & Cross-Sectoral (IC, XS)

CPI GLCF	EU Taxonomy	IEA ETCS	CBI	CTH Extensions
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ICT & Digitalization + Cross-sectoral	ICT activities (Climate Mitigation)	Cross-Cutting Technologies (smart grids, digitalization)	N/A (no ICT criteria)	CT-EX-014 to CT-EX-017 (satellite monitoring, AI MRV, traceability, precision ag data)
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Gap: Carbon markets and climate finance platforms not covered by any of the 4 sources as technology categories. CTH adds 4 AI/MRV extensions.

Summary Statistics

Source	Sectors Covered	Nodes Mapped	Primary Strength
CPI GLCF	9/9	All 50 HolonIQ-origin nodes	Broadest sectoral coverage; LATAM finance flows
EU Taxonomy	8/9 (no ICT cross-sectoral)	~45 nodes	Legally binding criteria; DNSH methodology
IEA ETCS	3/9 (Energy, Transport, Industry)	~25 nodes	Deepest technology-level classification; critical minerals
CBI	7/9 (no ICT, no cross-sectoral)	~35 nodes	Bond eligibility; LATAM taxonomy alignment
CTH Extensions	3/9 (AF, EN, IC)	21 nodes	LATAM gaps — adaptation, NbS, informal economy, EUDR

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