Assessment of existing standards

Rutger Gyllenram Wenjing Wei Kobolde & Partners AB 2.0



© Kobolde & Partners 2022

Organisations



International Organization for Standardization





EUROPEAN COMMITTEE FOR STANDARDIZATION

Consensus Experts from national committees 1 country 1 vote

Consensus Experts from national committees Proportional voting power Consensus Experts from committee members 1 member 1 vote

Selection of standards

Product LCA/EPD/PCR Standards	Org GHG Quantification/Reporting	General
LCA: ISO 14044	All org: ISO 14064 series	Climate action: ISO 14080
Labels type II: ISO 14021 EPD Labels type III: ISO 14025	Guidance to ISO 14064-1: ISO/TR 14069	GHG mgmt. incl. investments and financing: ISO 14097
PCR/Building materials: ISO 21930, EN 15804, prEN17662 (Steel, Al)	Energy intensive industries: ISO 14694-1, EN 19694	Carbon Neutrality: ISO/DIS 14068
LCI Steel Industry: ISO 20915	BF-plants: ISO 14064-1	Green debt instruments: ISO/DIS 14030
Single impact (GHG): ISO 14067	EAF-plants: ISO 14064-2	Net zero guidelines: ISO/IWA 42:2022
Recycled content in energy related products: EN 45557	DR-EAF-plants: ISO 14064-3 (ISO 14064-4 guidance on all 14064)	Requirements and guidelines for sectoral transition plans: ISO NWIP 2023

LCA: Life Cycle Assessment, EPD: Environmental Product Declaration, PCR: Product Category Rules, LCI: Life Cycle Inventory, GHG: GreenHouse Gases BF: Blast Furnace, EAF: Electric Arc Furnace, DR: Direct Reduction, TR: Technical Report, DIS: Draft International Standard, WD: Working Draft, NWIP: New Work Item Proposal





GHG Site Reporting

Standards - Seminar the 19th of January at Jernkontoret

а





D Benefits and loads beyond the system boundary (according to EN 15804 and prEN 17662)

Module D shows the net benefit as avoided emissions of reusing a product or recycling material up to the point of substitution, taking into account resource use, the deterioration in quality and fraction of recycled material. See prEN17662 annex F.

Ref. Gyllenram et al, 2023, Module D and the Circular Economy, Paper in progress



© Kobolde & Partners 2022

What to expect from the EU?



	Product	Organisation	Roadmap	Cooperatiom	Procurement	Finance
Product Environmental Footprint PEF	Х					
Organisational Environmental Footprint, OEF		Х				
ILCD Database	Х					
Green Steel for Europe (GPP)			Х	Х	Х	
EU Taxonomy						Х
Construction Product Regulation, CPR	Х					
Eco-design directive	Х					