

CIRCULAR ECONOMY

“Economy that is restorative and regenerative by design, and which aims to keep products, components and materials at their highest utility and value at all times, distinguishing between technical and biological cycles.”

(Source: ISO 20400:2017)



MAIN TECHNICAL COMMITTEES ON CIRCULAR ECONOMY STANDARDIZATION

- International level -

➤ ISO/TC 323 – Circular economy

Standards

0

Projects

6

National delegates

11

Scope

Standardization in the field of Circular Economy to develop frameworks, guidance, supporting tools and requirements for the implementation of activities of all involved organizations, to maximize the contribution to Sustainable Development.

6 Working Groups

WG 1	Terminology, principles, frameworks and management system standard	WG 2	Practical approaches to develop and implement Circular Economy
WG 3	Measuring and assessing circularity	WG 4	Circular Economy in practice: experience feedback
WG 5	Product circularity data sheet	CAG	Chair's Advisory Group

- European level -

➤ CEN/TC 350/SC 1 – Circular Economy in the Construction Sector

Standards

0

Projects

2

National delegates

8

Scope

Standardization in the field of circular economy in the built environment specifying circular principles and guidelines and requirements to facilitate the transition to a more sustainable circular economy including tools and processes to achieve this; covering design to de-construction and end-of-life scenarios in all stages of current and subsequent life cycles.

This applies to new and existing construction works (buildings and civil engineering works), including their products, materials and components. The Subcommittee deals both with technical issues on circularity, as well as environmental, economic and social challenges.

This work will take into account standards of CEN/TC 350 and consider the work of existing committees on subjects that may support the circular economy in the construction sector, such as ISO/TC 323 and CEN-CLC/JTC 10, including initiatives of the European Commission.

3 Working Groups

WG 1	Framework, principles and definitions	WG 2	Gap analysis, conclusions and recommendations
WG 3	Chair's Advisory Group		

MAIN STANDARDS ON CIRCULAR ECONOMY

ISO/TC 323 Technical Committee has been created in September 2018. This TC is currently composed of experts from 95 countries all around the world (75 participating members and 20 observing members).

In 2018, the Ministry of Economy of Luxembourg has launched the PCDS initiative (Product Circularity Data Sheet); it's an open-source format for standardized circular data. The sheet provides information on product circularity to all actors involved in its value chain. The standardized information can thus be easily shared by manufacturers across every sector from buildings to packaging, textile and consumer goods. Designed as a fingerprint for sharing circular product data, the Data Sheet is open to everybody and complements existing circular economy platforms. In 2021, the International Organization for Standardization (ISO) has decided to make the PCDS initiative on product circularity data a future ISO/NP 59040 standard. The work is carried out by ISO/TC 323/WG 5 under the Luxembourg chairmanship of Mr Jérôme Petry.

Under CEN/TC 350 "Sustainability of construction works", a sub-committee CEN/TC 350/SC 1 was established in 2021 to produce standards in the field of circular economy in the built environment.

No standards have yet been published, but 6 international projects are under development and 2 European projects are at the preliminary phase.

MAIN PROJECTS ON CIRCULAR ECONOMY

ISO/TC 323 – Circular economy

ISO/DIS 59004	Terminology, Principles and Guidance for Implementation
ISO/DIS 59010	Guidance on the transition of business models and value networks
ISO/DIS 59020	Measuring and assessing circularity
ISO/CD TR 59031	Performance-based approach – Analysis of cases studies
ISO/DTR 59032	Review of existing value networks
ISO/DIS 59040	Product circularity data sheet

CEN/TC 350/SC 1 – Circular Economy in the Construction Sector

WI:00350039	Framework, principles, and definitions
WI:00350040	Gap analysis, conclusions, and recommendations

