ISO/TC 323 Circular economy

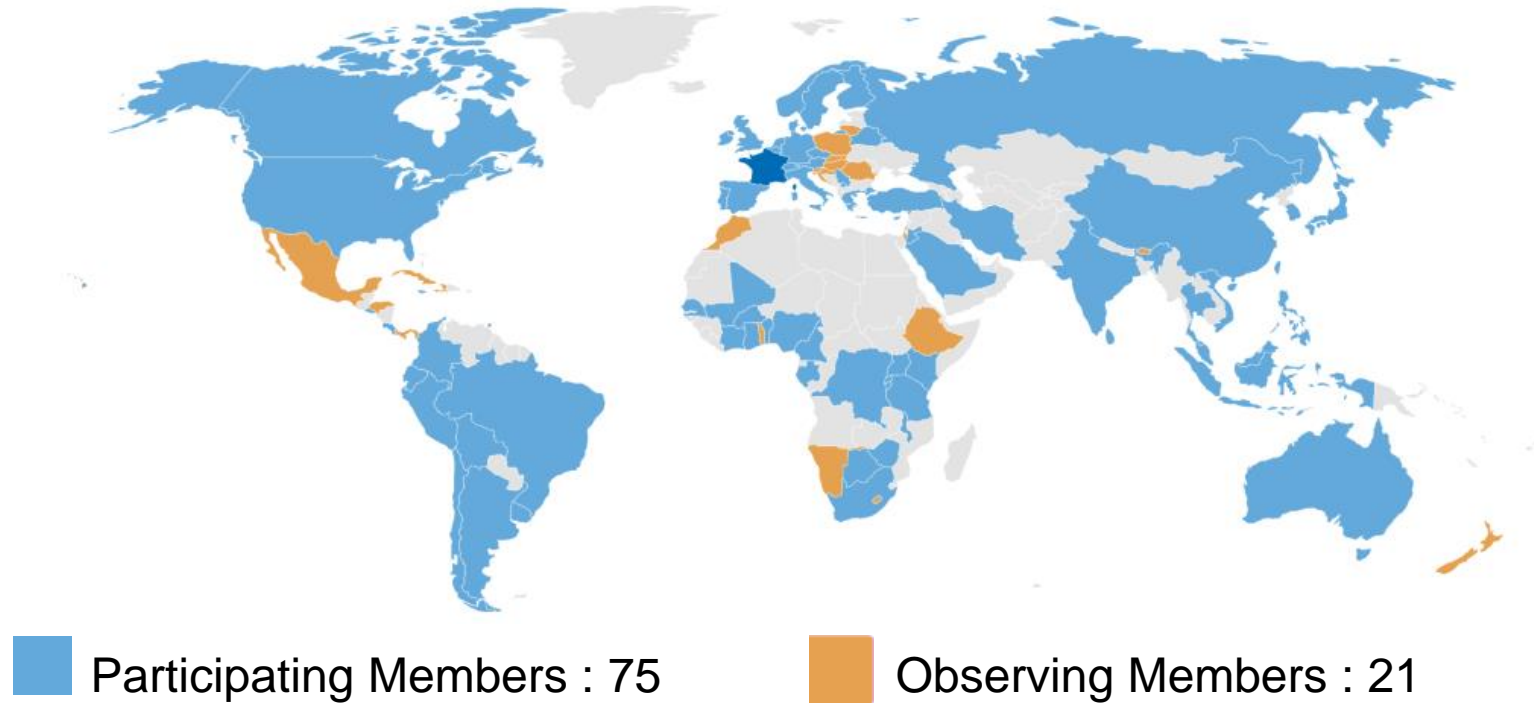| Presentation |
|---|
| Chairperson: Mrs Catherine Chevauché (France)
Committee Manager: Mrs Clarisse Issanes (AFNOR)

Structure

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

JWG 14 ISO/TC 207/SC 5 & ISO/TC 323 – Secondary materials (under the responsibility of ISO/TC 207/SC 5)

Work program:
6 active work items (4 IS, 2 TR) + 1 ISO/PWI TR + 1 standard developed by JWG 14 |

ISO/TC 323 Circular economy

ISO/TC 323 Circular economy

Liaison committees to TC 323 (23)	
IEC/TC 111	Environmental standardization for electrical and electronic products and systems
ISO/CASCO	Committee on conformity assessmen
ISO/TC 6	Paper, board and pulps
ISO/TC 20	Aircraft and space vehicles
ISO/TC 38	Textiles
ISO/TC 59/SC 17	Sustainability in buildings and civil engineering works
ISO/TC 61/SC 14	Environmental aspects
ISO/TC 71/SC 8	Environmental management for concrete and concrete structures
ISO/TC 122/SC 4	Packaging and the environment
ISO/TC 176/SC 1	Concepts and terminology
ISO/TC 207	Environmental management
ISO/TC 207/SC 5	Life cycle assessment
ISO/TC 219	Floor coverings
ISO/TC 251	Asset management
ISO/TC 261	Additive manufacturing
ISO/TC 268	Sustainable cities and communities
ISO/TC 279	Innovation management
ISO/TC 292	Security and resilience
ISO/TC 297	Waste collection and transportation management
ISO/TC 300	Solid recovered materials, including solid recovered fuels
ISO/TC 307	Blockchain and distributed ledger technologies
ISO/TC 322	Sustainable finance
ISO/TC 324	Sharing economy

ISO/TC 323 Circular economy

Liaison committees from ISO/TC 323 (15)	
IEC/TC 111	Environmental standardization for electrical and electronic products and systems
ISO/TC 34/SC 20	Food loss and waste
ISO/TC 176	Quality management and quality assurance
ISO/TC 207	Environmental management
ISO/TC 207/SC 1	Environmental management systems
ISO/TC 207/SC 2	Environmental auditing and related environmental investigations
ISO/TC 207/SC 3	Environmental labelling
ISO/TC 207/SC 4	Environmental performance evaluation
ISO/TC 207/SC 5	Life cycle assessment
ISO/TC 207/SC 7	Greenhouse gas management and related activities
ISO/TC 268	Sustainable cities and communities
ISO/TC 279	Innovation management
ISO/TC 301	Energy management and energy savings
ISO/TC 307	Blockchain and distributed ledger technologies
ISO/TC 324	Sharing economy

ISO/TC 323 Circular economy

Organizations in liaison (November 2022)	
ANEC	European Association for the Co-ordination of Consumer Representation in Standardization
ECOS	European Environmental Citizens Organisation for Standardisation
EMF	The Ellen MacArthur Foundation
EWF	European Federation for Welding
GRI	Global Reporting Initiative
ITU	International Telecommunication Union
PRE	Plastics Recyclers Europe
SBS	Small Business Standards
UNECE	United Nations Economic Commission for Europe (**Category B liaison**)
UNIDO	United Nations Industrial Development Organization
WBCSD	World Business Council for Sustainable Development
WCO	World Customs Organization
WFEO	World Federation of Engineering Organizations
WSA	World Steel Association
WRI-PACE	World Resources Institute Europe Stichting
Category C liaison	
CORALIS	CORALIS consortium

Package enabling the implementation of Circular Economy

ISO 59 004 – Circular Economy – Terminology, Principles and Guidance for implementation

ISO 59 010
Circular Economy –
Guidance on business models
and value networks

ISO 59 020
Circular Economy –
Measuring and assessing
circularity

ISO 59 040
Circular Economy – Product
Circularity Data Sheet

ISO 59 014
Secondary materials –
Principles, sustainability and
traceability requirements

ISO TR 59 031 – Circular Economy – Performance based approaches
ISO TR 59 032 – Circular Economy – Review of business model implementation

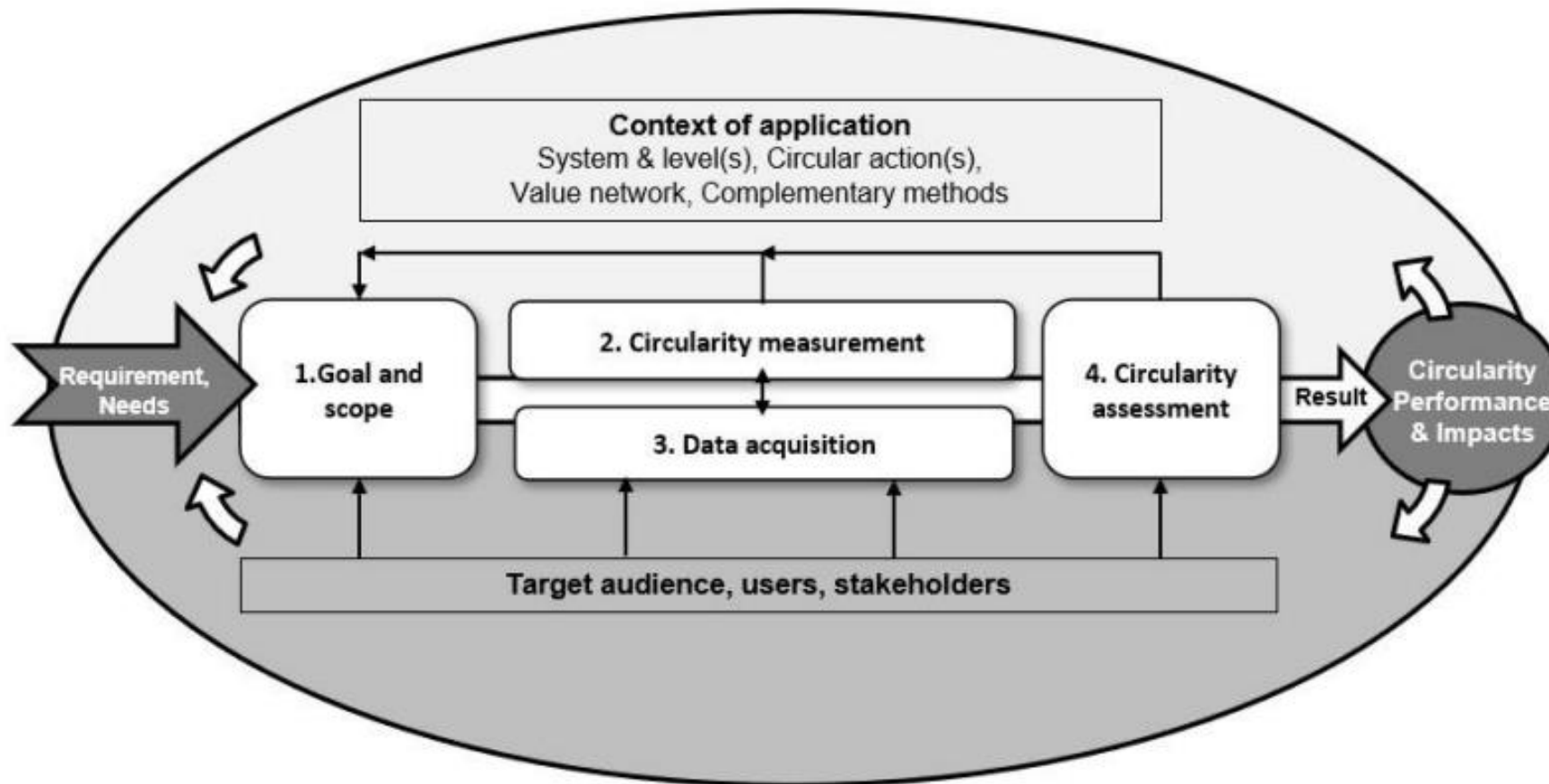2 standards of potential interest for the MoU MG: ISO 59020 and ISO 59040

Focus: ISO 59020 - Measuring and assessing circularity

In progress

Scope: the standard specifies a framework for organizations to measure and assess circularity, enabling those organizations to contribute to sustainable development.

=> Applicable to multiple levels of an economic system from **regional to product level including organizations and inter-organizations levels.**

Based on a circularity measurement taxonomy

- **To monitor circular actions**
=> Reuse, Reduce, Repair, Recycle, Remanufacture, etc…

- **To measure flows**
=> Retain, regenerate, create, etc…

- **To assess sustainability impacts**
=> Social, environmental and economic impacts

Focus: ISO 59040 - Product Circularity Data Sheet (PCDS)

- provides a **general methodology** for defining, implementing, operating, monitoring, reviewing, maintaining and improving Product Circularity Data Sheets when acquiring or supplying products;

- **specifies requirements and provides guidance** to PCDS authorities in developing a PCDS template and assessment methods;

- **facilitates mutual understanding** of the approach to Product Circularity Data Sheets and associated needs and expectations;

- reflects the complexity of managing Product Circularity Data Sheets that can have organizational and technical impacts in supplier and acquirer relationships;

- **contains a requirement process and guidance** for how to provide and exchange product information that support circular economy;

- is intended to be used by **any organization willing to adopt circular economy aspects in supplier or acquirer relationships**;

- is intended for **conformity assessment purposes** (such as audit, certification, validation/verification);

- is intended to be used **to set a number of defined circular economy objectives applicable to a supplier and acquirer relationship** that is a basis for assurance purposes

ISO/TC 323 Circular economy

Publication	Publication
ISO/CD 59 004 – Circular Economy – Terminology, Principles and Guidance for Implementation	2024
ISO/CD 59 010 – Circular Economy – Guidance on the transition of business models and value networks	2024
ISO/CD 59 020 – Circular Economy – Measuring and assessing circularity	2024
ISO/WD 59 040 – Circular Economy – Product Circularity Data Sheet	2024
ISO/CD TR 59 031 – Circular economy – Performance-based approach – Analysis of cases studies	2023
ISO/DTR 59 032 – Circular Economy – Review of existing value networks	2023
ISO/PWI TR 59033 – Efficient use and management of resources in the circular economy - Good practices for replicability	PWI
Standard under development with other Technical Committee **ISO WD 59 014** - Secondary materials – Principles, sustainability and traceability requirements	2024