



Online Workshop/Webinar on Role of Standards & Policy in Resource Efficiency and Circular Economy Transition in India and the EU

January 21, 2022, at 14:00 – 17:00 Hrs. (IST) / 09:30 – 12:30 Hrs. (CET)

INTERNATIONAL STANDARDIZATION CIRCULAR ECONOMY

Presented by Catherine Chevauché



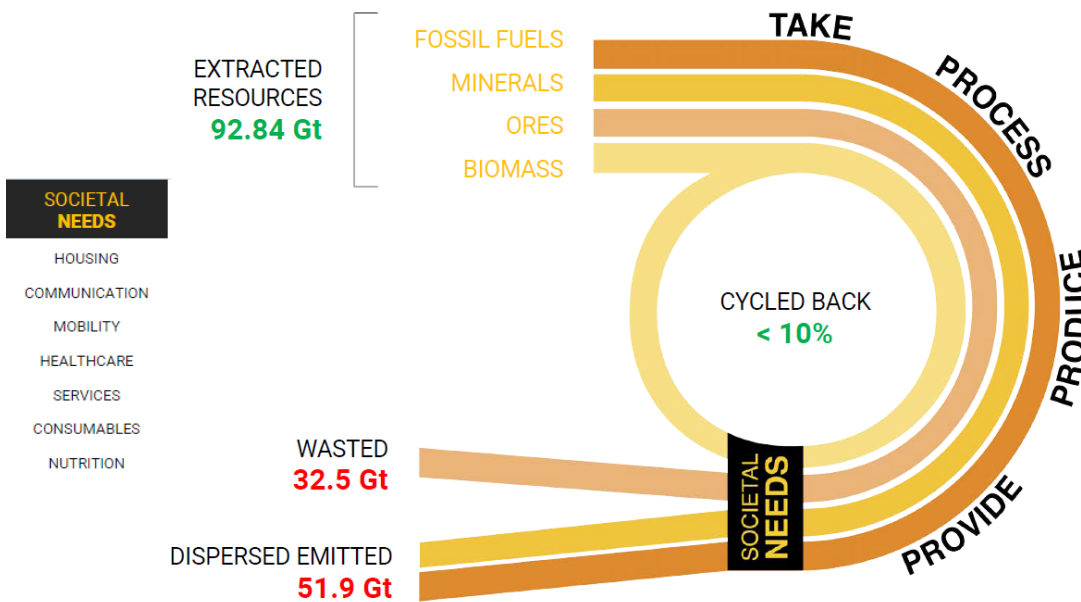
Change our production and consumption modes

- We face to

- **Environmental emergency:** climate change, resource and biodiversity depletion (planetary boundaries reached and/or exceeded)
- **Social emergency:** strongly linked to environmental emergency, social gap between people, way of production and consumption, behavior change

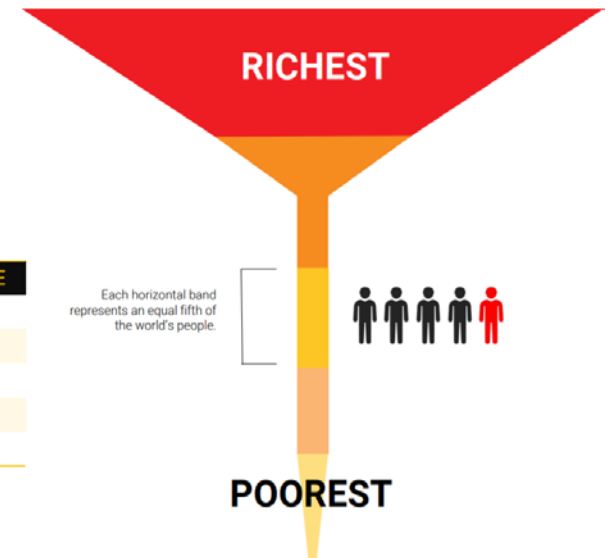
- We need to

- Switch to **alternative models** to decouple the global economy from the consumption of limited resources
- Provide a **long-term vision** and be more **collaborative**



/ GROWING INEQUALITIES

| WORLD POPULATION | WORLD INCOME |
|------------------|--------------|
| RICHEST | 82.7% |
| SECOND | 11.7% |
| THIRD | 2.3% |
| FOURTH | 1.9% |
| POOREST | 1.4% |

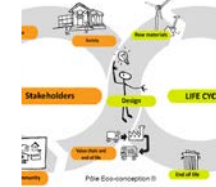


A new Technical Committee to promote CE

- ISO Technical Committee 323 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**.

- Created in 2019, **TC323 produces some transversal standards** related to Circular Economy. These standards could be a basis for specific activities.



Integrate life cycle thinking in process

Consider waste as a resource



Cooperate along the value chain, involve all stakeholders, promote value networks



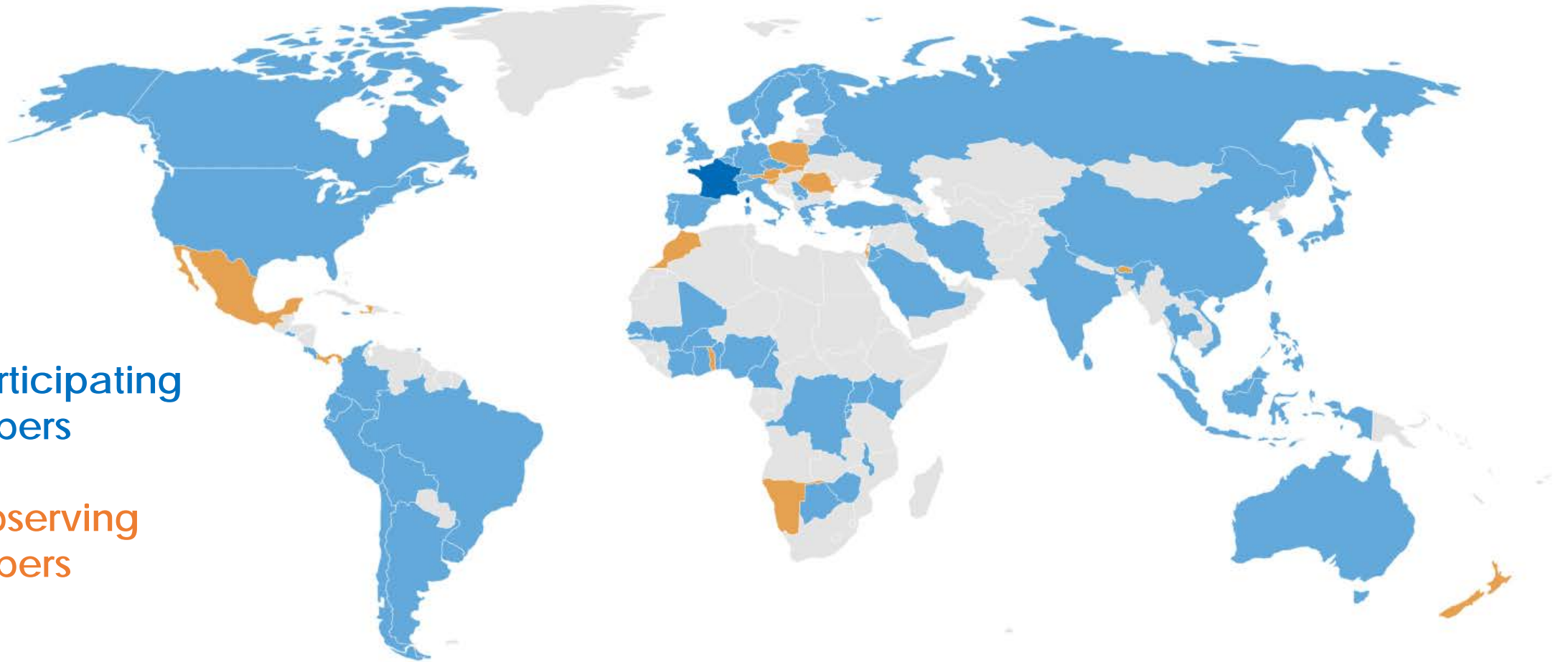
Integrate long term vision



Worldwide participation to Circular Economy works

71 Participating members


14 Observing members



A package to facilitate CE implementation

ISO WD 59 004 – Circular Economy – Terminology, principles and framework for implementation 

Gives a common understanding of Circular Economy

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

Provides a guideline to transform business models from linear to circular


ISO WD 59 020 – Circular Economy – Measuring circularity 


Provides a framework to measure and assess circularity performance


ISO WD 59 040 – Circular Economy – Products circularity datasheet 

Provide further framework and toolbox for reporting circularity performance at product level

Supporting documents: Provides experience feedback to make circular economy tangible and concrete

ISO TR 59 031 – Circular Economy – Performance based approaches 

ISO TR 59 032 – Circular Economy – Review of business model implementation 

Another project: Joint WG ISO TC207 SC5 & ISO TC323 JWG14 - ISO WD 59 014 - Secondary materials – Principles, sustainability and traceability requirements 



ISO 59004 Circular economy - Terminology, principles and framework for implementation

Circular Economy

Economic system that uses a systemic approach to maintain a circular flow of resources by regenerating, retaining or adding to their value, while contributing to sustainable development.

Terminology, terms related to

- Circular Economy
- Solutions
- Resources
- Business model, design & development
- Measurement & assessment
- Organization & other interested parties

Circular Economy principles

- Systems thinking
- Value creation
- Value sharing
- Resource availability focus
- Resource traceability
- Ecosystem resilience

Framework for implementation of circular economy

- Embedding circular economy principles in the implementation
- Level of implementation
- Structure of the framework for implementation
- Reference assessment and context evaluation
- Vision & goals definition
- Strategy development
- Implementation
- Monitoring & reporting

Areas of action

- Circular design
- Resource management
- Procurement
- Industrial and territorial symbiosis
- Solution provision
- Reverse logistic
- Waste management during the transition to circular economy
- Education
- Investments
- Policies & Regulation

Publication dates

A Circular Economy package facilitating implementation, dialogue and communication between stakeholders

| STANDARDS | PUBLICATION |
|--|-------------|
| ISO WD 59 004 – Circular Economy – Terminology, principles and framework for implementation | 2023 |
| ISO WD 59 010 – Circular Economy – Guidance on business models and value networks | 2023 |
| ISO WD 59 020 – Circular Economy – Measuring circularity | 2023 |
| ISO WD 59 040 – Circular Economy – Products circularity datasheet | 2023 |
| ISO TR 59 031 – Circular Economy – Performance based approaches | 2022 |
| ISO TR 59 032 – Circular Economy – Review of business model implementation | 2022 |
| ISO WD 59 014 – Secondary materials – Principles, sustainability and traceability requirements | 2023 |



Conclusion

Switch to alternative models to decouple the global economy from the consumption of limited resources...

...Let's implement Circular Economy within our organizations!



Thank you!

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<https://www.iso.org/committee/7203984.htm>

