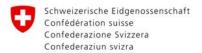


ISO 59014 - Sustainability and Traceability of Secondary Materials Recovery - Pilot Testing Results in 4 Countries

Sonia Valdivia WRF, Switzerland



Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER State Secretariat for Economic Affairs SECO





## Contents



- ► ISO 59014 under the TC323 and the TC207/SC5
- Structure & requirements
- Recovery pathway
- Five pilots



International Standard

ISO 59014

Environmental management and circular economy — Sustainability and traceability of the recovery of secondary materials — Principles, requirements and guidance

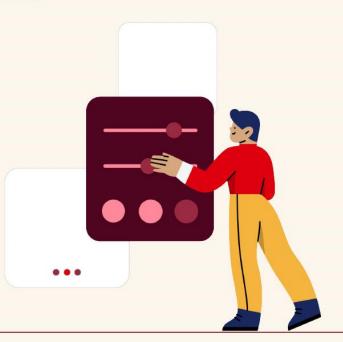
Management environnemental et économie circulaire — Durabilité et traçabilité de la valorisation des matières secondaires — Principes, exigences et recommandations First edition 2024-10

# Standards under the family of TC323 on circular economy

ISO 59000 family of standards

### A common understanding:

Definitions, principles, actions, business models, value networks, measures, assessment, ..., all what is needed to act now!





### ISO 59004

Circular economy
Vocabulary, principles
and guidance for
implementation

### ISO 59010

Circular economy

Guidance on the
transition of business
models and value
networks

## ISO 59020

Circular economy Measuring and assessing circularity performance

#### ISO 59040

Circular economy
Product Circularity
Data Sheet

## 1SO 59014

Environmental
management and
circular economy
Sustainability
and traceability of
secondary materials
recovery - Principles
requirements and
guidance





# Standards under the family of TC207/SC5 on environmental management /LCA

#### ISO 14008

Monetary valuation of environmental impacts and related environmental aspects

#### ISO 14040

Environmental management — Life cycle assessment — Principles and framework

#### ISO 14044

Environmental management — Life cycle assessment — Requirements and guidelines

#### ISO 14046

Environmental management — Water footprint — Principles, requirements and guidelines

#### ISO 14067

Greenhouse gases —
Carbon footprint of
products —
Requirements and
guidelines for
quantification

#### ISO 14051

Environmental management Material flow cost accounting

#### ISO 14075

Principles and framework for social life cycle assessment

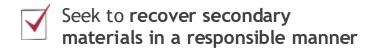
#### ISO 59014

Environmental
management and
Circular economy Sustainability and
traceability of
secondary materials
recovery – Principles,
requirements and
guidance

# Sustainability and traceability of secondary materials

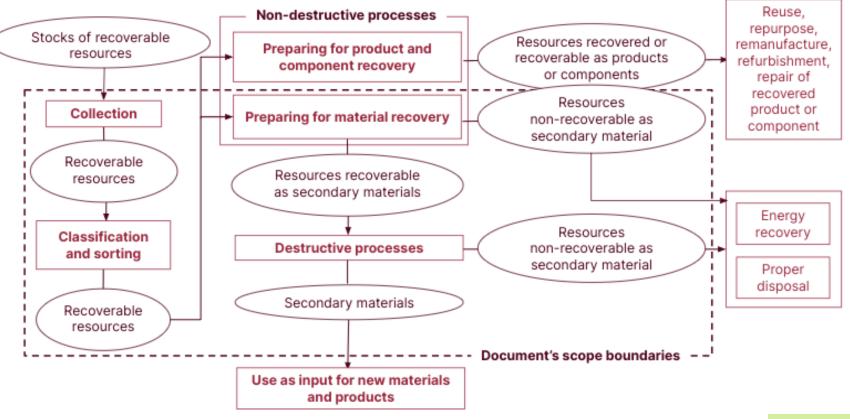
#### ISO 59014' aims





Provides guidance for engaging with individuals involved in subsistence activities





Quality criteria for specific types of secondary materials recovered.

Not in the Energy recovery and disposal scope

The preparation and processing of products or components for their reuse or reprocessing (e.g. for repurposing, remanufacturing, refurbishment and repair)

# Changing mindsets: This is not 'waste'... this is recoverable resource

The word waste is NOT used. Recoverable resource is used instead.

## recoverable resource

resource that can be recovered and used again after it has already been processed or used.



# Changing mindsets: Informal workers is not the same as ilegal workers

For the first time ISO acknowledges and defines subsistence activities

## subsistence activity:

activity that provides self-employed individuals with the minimum to subsist.



80 per cent of the 24 million waste workers around the globe are informal. (Cities Alliance)



# Structure of requirements

- 6 Operational requirements
- 6.1 General
- 6.2 Classification and determination of recovery pathways
- 6.3 Collection
- 6.4 Sorting
- 6.5 Material recovery processes
- 6.6 Logistics
- 7 Organizational requirements
- 7.1 Monitoring and evaluation
- 7.2 Interested party engagement
- 7.3 Responsibility towards the value chain
- 7.4 Responsibility towards individuals engaged in subsistence activities
- 7.5 Equitable working conditions
- 7.6 Risks
- 7.6.1 Environmental and social risks
- 7.6.2 Health and safety risks of workers and individuals involved in SAs
- 7.7 Resource use
- 7.8 Competencies and training
- 7.8.1 Operational and managerial competencies
- 7.8.2 Training needs

## 8 Traceability requirements

- 8.1 General
- 8.2 Upstream
- 8.3 During the processing
- 8.4 Downstream
- 8.5 Depollution
- 8.6 Communication
- 8.7 Continual improvement

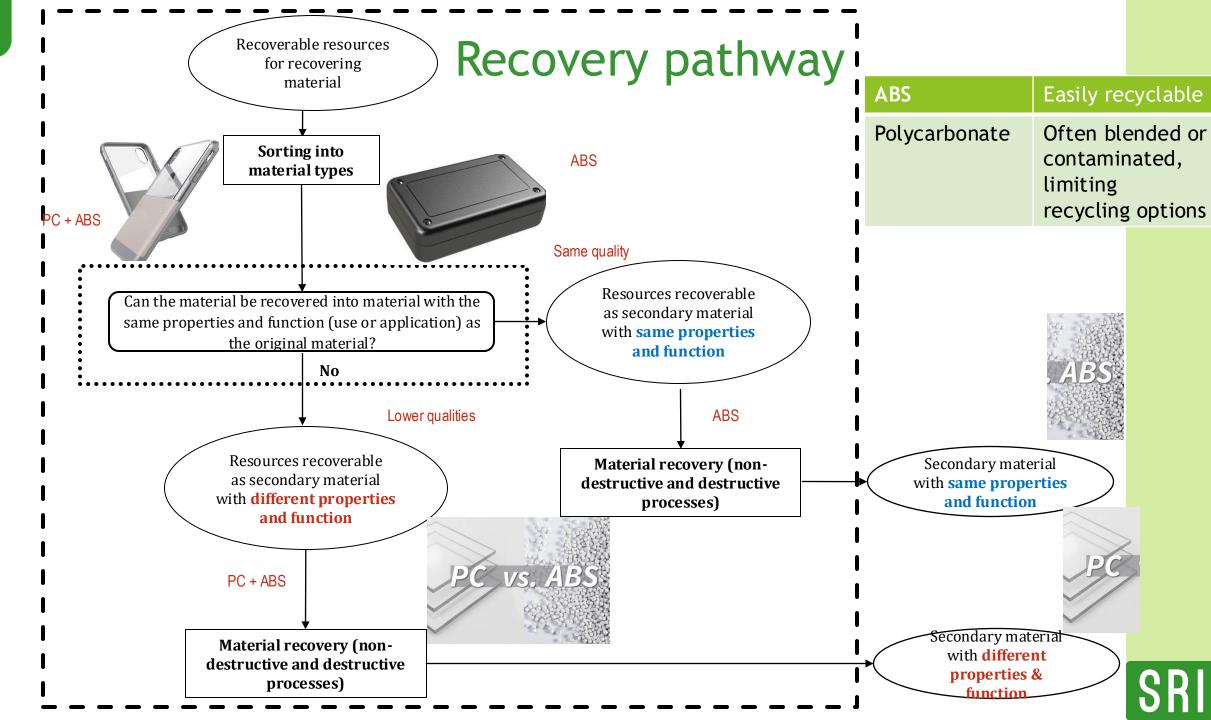
Annex A (informative) Examples of organizations engaged in the recovery of secondary materials

Annex B (informative) Methodology for selecting the recovery pathway

Annex C (informative) Gradual implementation and supporting mechanisms for individuals engaged in subsistence activities

75 requirements or 'shalls'







ISO 59014: Sustainability and Traceability of Recycled Materials. Pioneering Cases in Asia, South America, Africa and Europe



FEASIBILITY ASSESSMENT OF THE ISO 59014 STANDARD



# Five Pilots: Aug 2024 & June 2025

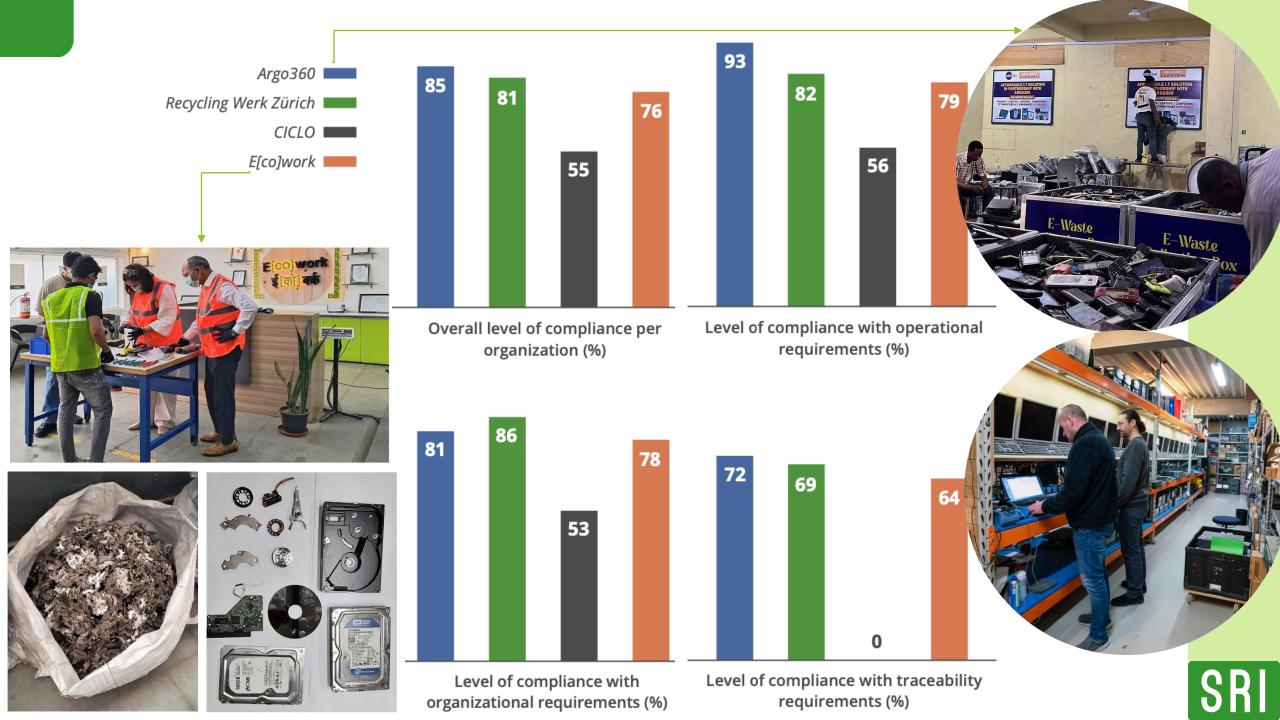
Support dissemination, awareness raising and capacity development

Test ISO 59014 requirements also in contexts where subsistence activities play a role

Learn about the certification potentials

Understand the positioning of the standard in the value chain



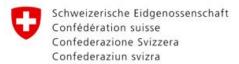




# SUSTAINABLE RECYCLING INDUSTRIES

## **Thanks**

sri@wrforum.org



Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER State Secretariat for Economic Affairs SECO



