

# SVC

19 AU 30  
JUN 2023

# SOMMET VIRTUEL DU CLIMAT

Un évènement 100% en ligne co-porté par :

[www.sommetvirtuelduclimat.com](http://www.sommetvirtuelduclimat.com)



Association des  
Professionnels en  
Conseil Climat Energie  
et Environnement



# QU'EST CE QUE LE SOMMET VIRTUEL DU CLIMAT ?

10 jours de webconférences et ateliers dédiés aux :



## ENTREPRISES ET ORGANISATIONS

Comment préparer et pérenniser son entreprise pour contribuer à un monde décarboné ?



## COLLECTIVITÉS ET TERRITOIRES

Comment mettre en œuvre, financer et faire vivre une stratégie de neutralité carbone et de résilience à l'échelle de son territoire ?

## L'objectif final

**Aider les organisations et les territoires à progresser sur la voie de la transition écologique** en leur donnant :



DES LEVIERS  
D'ACTIONS  
CONCRETS



DES APPORTS  
D'EXPERTISE  
TECHNIQUE



DES RETOURS  
D'EXPIÉRIENCE  
INSPIRANTS

# LES CO-PORTEURS

L'APCC, l'ADEME, l'ABC et le Cinov ont choisi **d'unir leurs forces** afin de permettre à un nombre croissant d'organisations de **s'engager dans des actions en faveur de la lutte contre le changement climatique.**



**APCC**

Association des Professionnels  
en Conseil Climat Énergie  
et Environnement



**ADEME**

Agence de la Transition  
Écologique



**ABC**

Association pour la transition  
Bas Carbone



**Fédération Cinov**

Fédération Cinov

**En savoir plus sur les co-porteurs**

# MERCI !

A nos sponsors et  
partenaires, sans qui  
cet événement  
ne pourrait avoir lieu !

## Sponsors Gold 2023



## Sponsors Silver 2023



## Partenaires 2023



# LE SVC EST GRATUIT... MAIS IL A UN COÛT ! FAITES UN DON !

Par exemple, le montant :

- du repas,
- du billet de train
- ou de l'hôtel

**.... que vous auriez payé si vous vous étiez déplacé !**



**En savoir plus sur les co-porteurs**

## IL VOUS RESTE DES QUESTIONS ?

- **Par mail** - retrouvez les mails de tous les intervenants dans le mail de remerciement post-webconférence
- **En prenant RDV** - (si disponible) ou en allant voir les intervenants sur les stands via

La page stands 



La partie stands du salon 



The logo for the Summit Virtual of Climate (SVM) features the letters 'SVM' in a large, white, stylized font. The 'S' and 'V' are connected, and the 'M' is a simple block letter. The background behind the logo is a vibrant, abstract design with overlapping shapes in shades of red, orange, and yellow.

SVM

19 AU 30  
JUN 2023

SOMMET  
VIRTUEL  
DU CLIMAT

WEBCONFÉRENCE

**ECONOMIE CIRCULAIRE : UN LANGAGE  
COMMUN POUR CHANGER DE MODÈLE**

# LE CONTEXTE



# Le positionnement français

Du niveau français au niveau international

Nécessaire  
modification des  
modes de  
production et  
consommation



Réglementation (Eu  
et Fr), multitude  
d'approches et de  
concepts

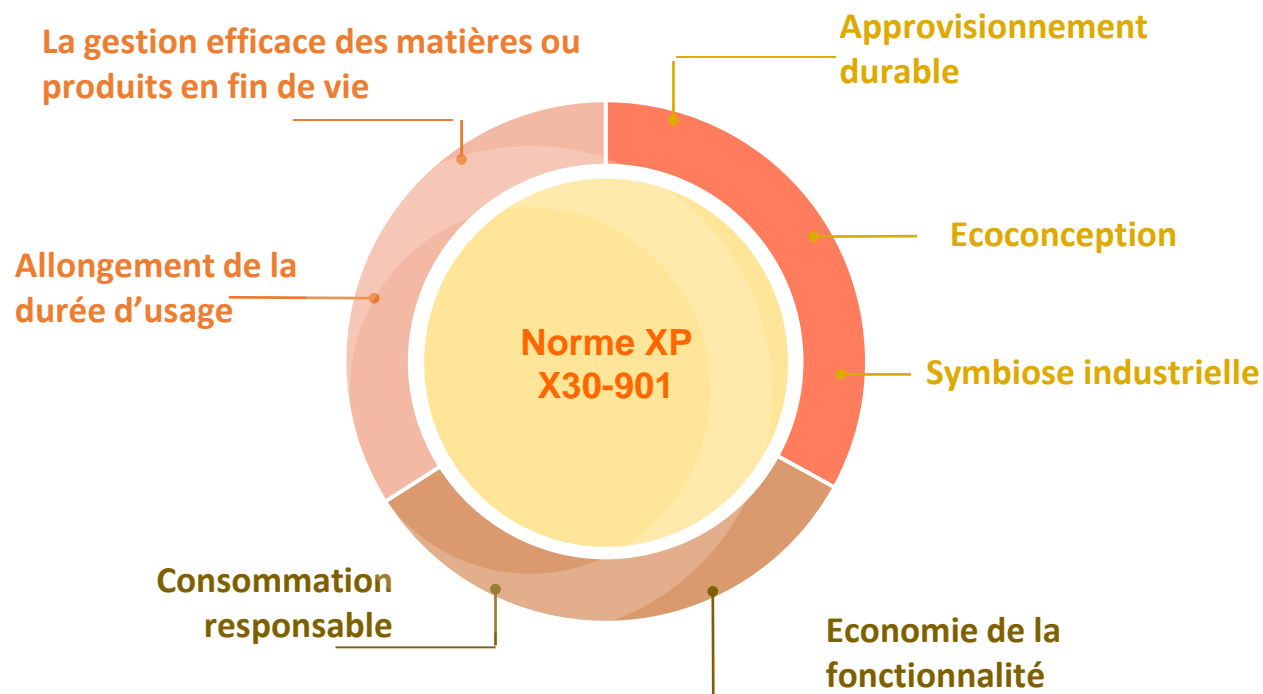


**Besoin de définir un langage  
commun**

Elaboration d'un document français partagé  
pour accélérer cette transition porté ensuite au  
niveau international

# Le projet français (XP X30-901)

Systeme de management de projet d'économie circulaire  
- Exigences et lignes directrices



3 dimensions  
Environnementale, sociale, économique



# Positionnement international



*Normalisation dans le domaine de l'économie circulaire afin de développer des cadres, des orientations, des outils de soutien et des exigences pour la mise en œuvre des activités de toutes les organisations impliquées, afin de maximiser la contribution au développement durable.*

- Document français finalisé mi-2018
- Proposition française pour porter le document au niveau international (ISO) fin 2018
- Première réunion du comité ISO (ISO/TC 323) en février 2019



**Integrate life cycle thinking in process**

**Design out waste and pollution**



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

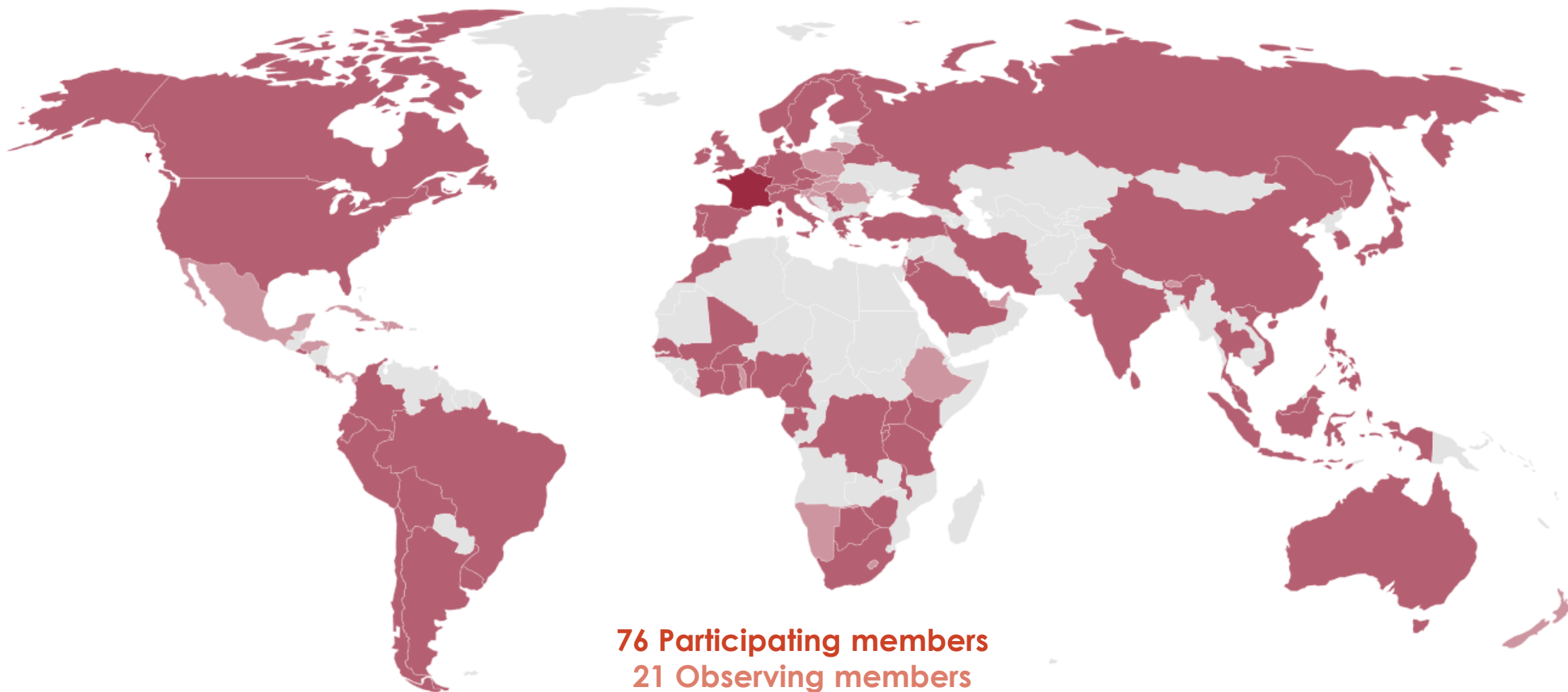


**Integrate long term vision**





# PARTICIPATION MONDIALE Pays





# PARTICIPATION MONDIALE

## Et organisations impliquées

ANEC	European Association for the Co-ordination of Consumer Representation in Standardization
ECOS (Environment)	Environmental Coalition on Standards
EMF	The Ellen MacArthur Foundation
EWf	European Federation for Welding, Joining and Cutting
GRI	Global Reporting Initiative
ICDPASO	International Commercial Dispute Prevention and Settlement Organization
ITU	International Telecommunication Union
PREurope	Plastic Recyclers Europe
SBS - Small Business Standards	Small Business Standards
UNECE	United Nations Economic Commission for Europe
UNIDO	United Nations Industrial Development Organization
WBCSD	World Business Council for Sustainable Development
WCO	World Customs Organization
WFEO	World Federation of Engineering Organizations
World Steel Association	World Steel Association
WRI - PACE	World Resources Institute Europe Stichting

# LE COMITE ISO ET SES TRAVAUX

Vers un langage commun



**To join the ISO TC323 Circular Economy**

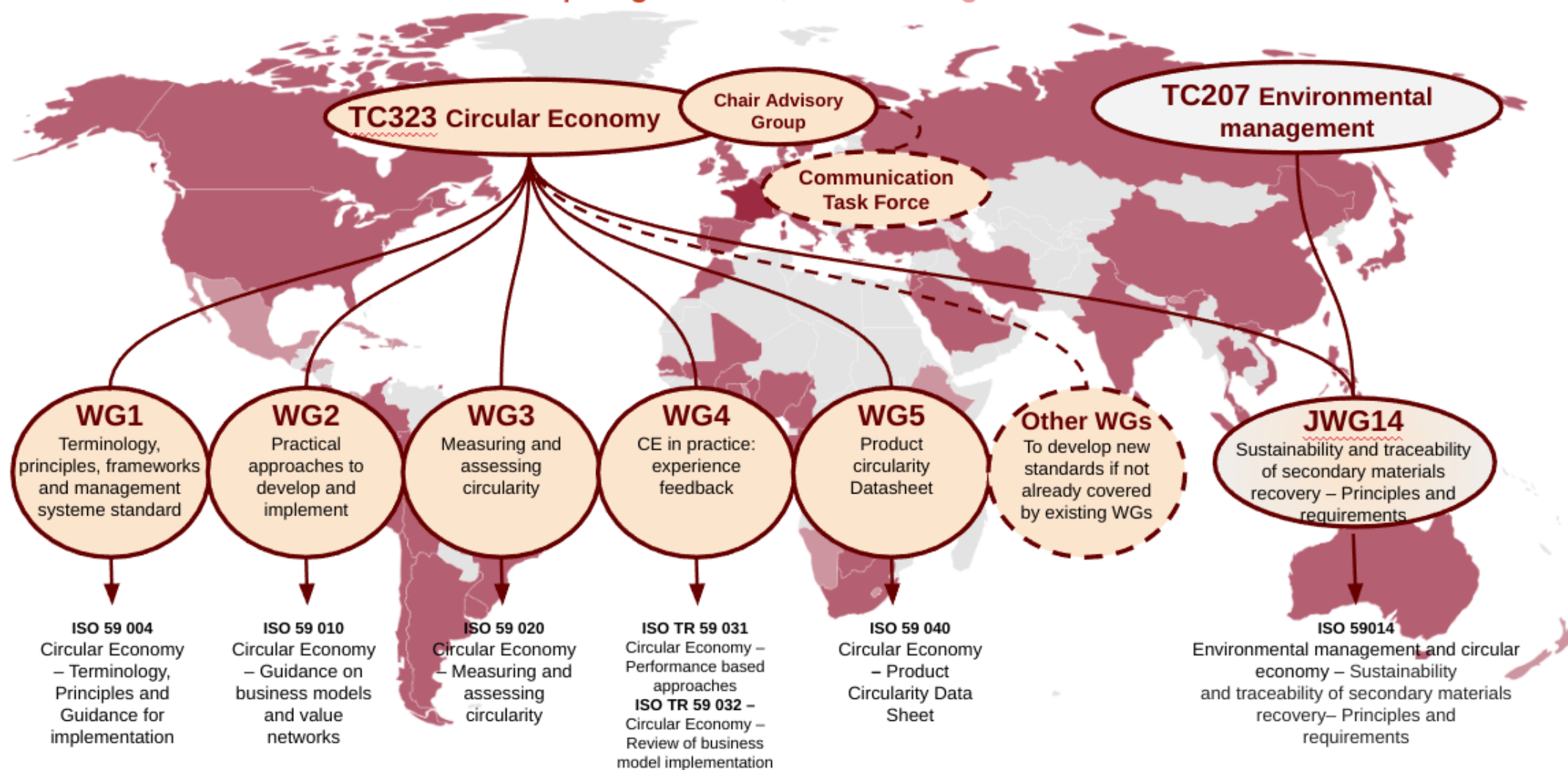
Contact your national standardization body

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

[www.linkedin.com/company/iso-tc-323-circular-economy](http://www.linkedin.com/company/iso-tc-323-circular-economy)

# L'organisation de l'ISO/TC 323

76 Participating members, 21 Observing members





# A package to facilitate implementation ISO 59000 series

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**

**Environmental management  
and circular economy –**  
Sustainability  
and traceability of secondary  
materials recovery – Principles  
and  
requirements



**ISO TR 59 031 – Circular Economy – Performance based approaches**

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

## TC323 mindset: promote all countries active participation

- Pairs to lead Working Groups involving countries with different backgrounds,
- An ISO Central Secretariat partnership program to fund experts participation from some countries,
- A training program on standardization for developing countries at each TC meeting.

Flags indicate the countries in charge of the Working Group which manage the standard development



# Focus: ISO 59004 - Terminology, principles and guidance for implementation

*In progress - DIS stage*

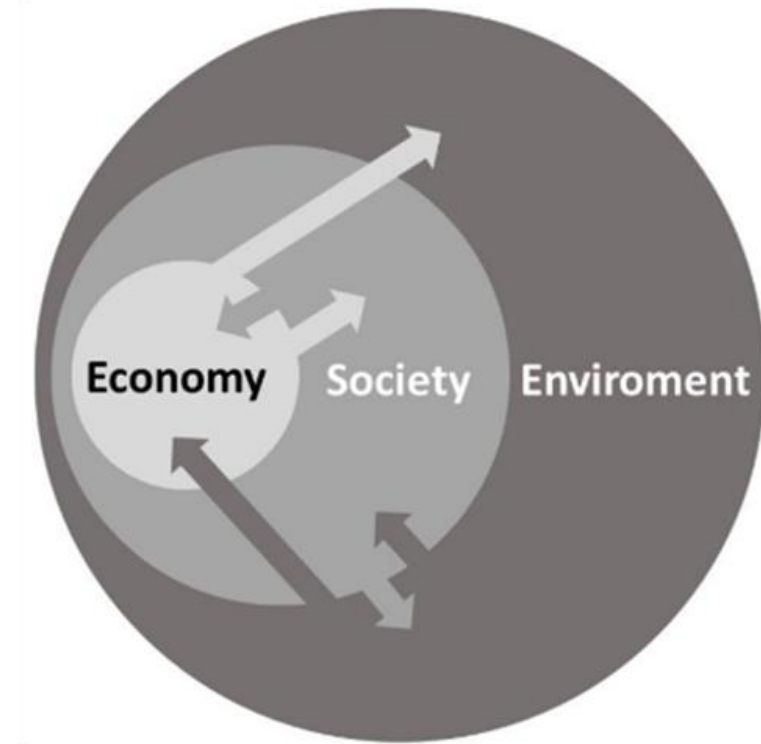


## Circular economy definition

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

Note 1 to entry: Resources can be considered concerning both stocks and flows.

Note 2 to entry: From a sustainable development perspective, the inflow of virgin resources is kept as low as possible, and the circular flow of resources is kept as closed as possible to minimize emissions and losses (waste) (of resources) from the economic system



# Focus: ISO 59004 - Terminology, principles and guidance for implementation

*In progress - DIS stage*



## Circular economy principles

- **Systems thinking**
  - life-cycle perspective
  - long-term approach
  - considering the impacts of interactions among environmental, social, and economic systems
- **Value creation**
  - recover, retain, or add value
  - provide effective solutions
  - Use resources in an efficient way
- **Value sharing**
  - collaborate along the value chain or value network in an inclusive and equitable way
  - share value created with the provision of solutions
- **Resource availability**
  - manage stocks and flows of resources to contribute to their availability for present and future generations
  - Reduce risks associated with dependence on virgin resources.
- **Resource traceability**
  - collect and maintain data to enable resource tracking through value chain
  - accountable for sharing informations with interested parties
- **Ecosystem resilience**
  - implement practices that protect and contribute to the regeneration of ecosystems and their biodiversity
  - take into account planetary boundaries

# Focus: ISO 59004 - Terminology, principles and guidance for implementation

*In progress - DIS stage*



## Actions to implement

- **Actions that create added value**
  - Design for circularity
  - Circular sourcing
  - Circular procurement
  - Process optimization
  - Industrial symbiosis
- **Actions that contribute to value retention**
  - Reduce, reuse, repurpose and redistribution
  - Maintenance and repair
  - Performance-based approaches
  - Sharing to intensify use
- **Actions that contribute to value recovery**
  - Refurbishment
  - Remanufacturing
  - Reverse logistics
  - Cascading of materials
  - Recycling
  - Waste management
  - Material recovery
  - Energy recovery
- **Actions to regenerate lost values**

### **Enablers -> Action to support circular transformation**

Education and research / Innovation / Collaboration and networks / Helping users change their behaviour /  
Policy and legal system / Financial service industry

# Focus: ISO 59004 - Terminology, principles and guidance for implementation



*In progress - DIS stage*

**Guidance for Resource Management Actions**  
(adapted from “Narrowing, Slowing and Closing the Loop”, Bocken et al., 2016)

**Narrow the loop**  
Minimize the use of resources and products, maintain value as long as possible

**Slow the loop**  
Maintain solutions at their highest value for longer

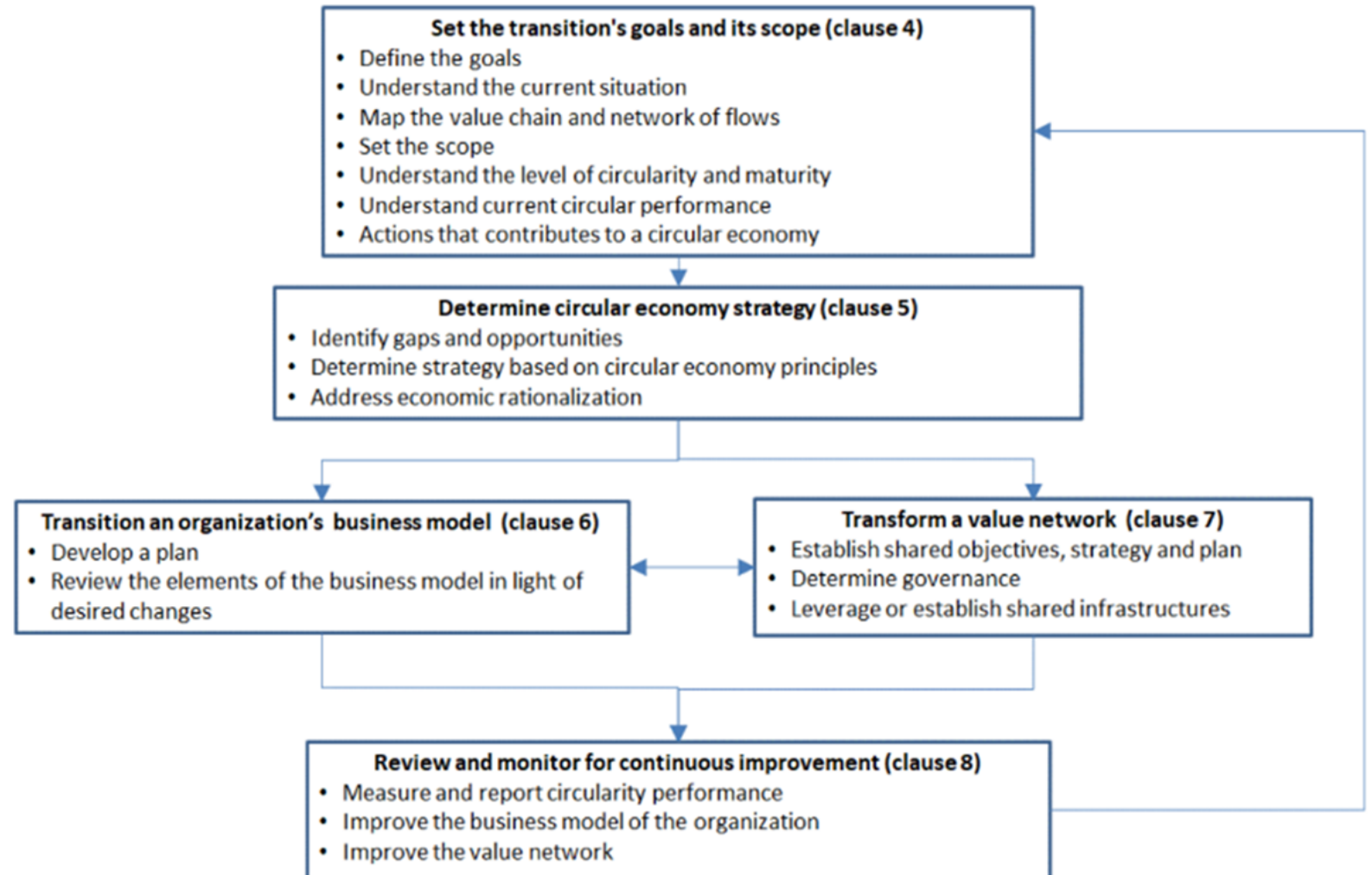
**Close the loop**  
Use materials again when they reach the end-of-loop stage and create further value

Refuse
Rethink
Source
Reduce
Repair
Reuse
Refurbish
Remanufacture
Repurpose
Cascade
Recycle
Recover energy
Re-mine

# Focus: ISO 59010 - Guidance on the transition of business models and value networks

*In progress - DIS stage*

**Analyze the current business models through the Circular Economy principles**

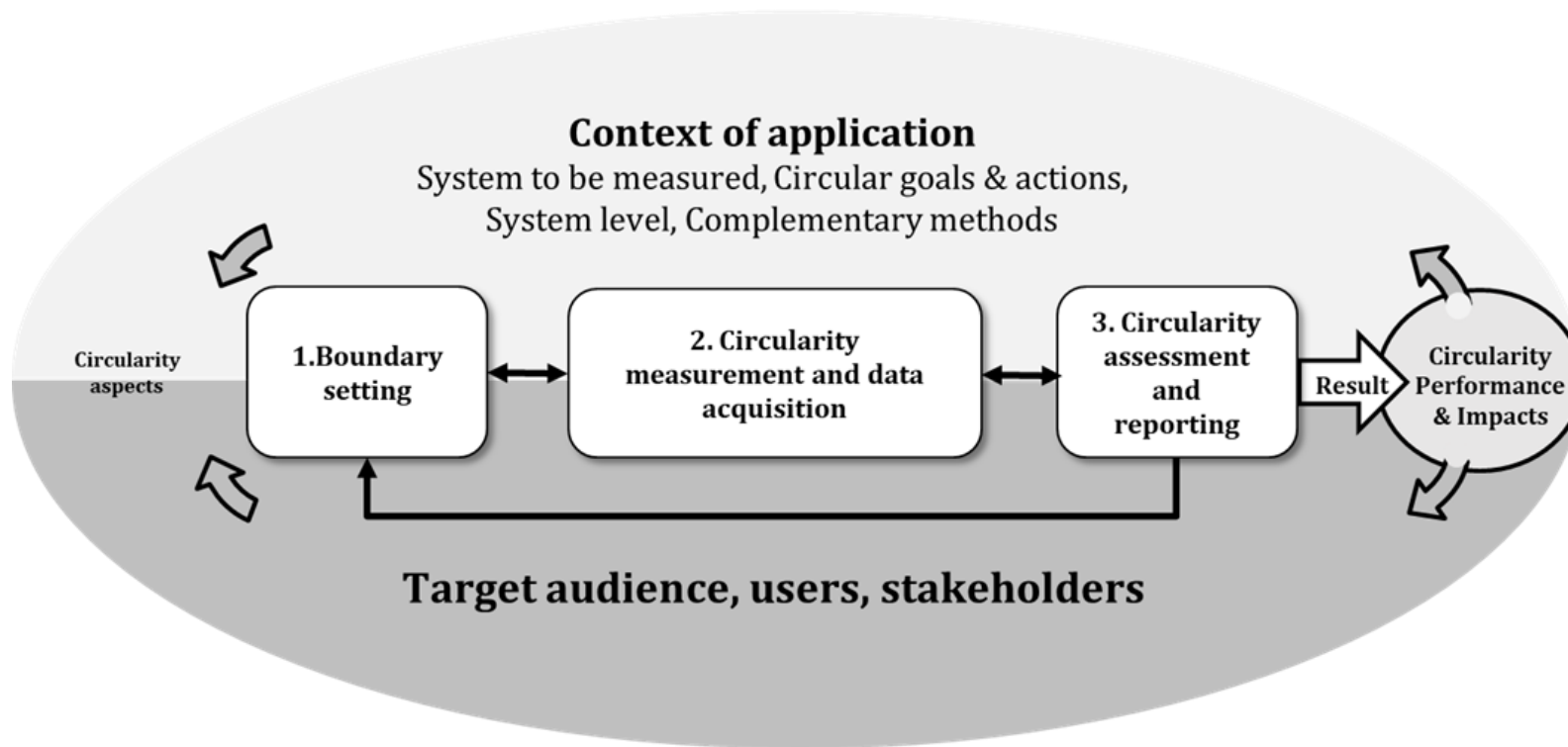


# Focus: ISO 59020 - Measuring and assessing circularity

*In progress - DIS stage*

**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 59020 - Measuring and assessing circularity

## Core circularity indicators

*In progress - DIS stage*



<b>Resource inflows</b>	Average percent reused content of an inflow
	Average percent recycled content of an inflow
	Average percent renewable content of an inflow
<b>Resource outflows</b>	Average lifetime of product or material relative to industry average
	Percent actual reused content derived from outflow
	...
<b>Energy</b>	Average percent of energy consumed that is renewable
<b>Water</b>	Percent water withdrawal from circular sources
	Percent water discharged in accordance with quality criteria
	...
<b>Economic</b>	Revenue share of circular resources or products
	Material productivity
	...

# Focus: ISO 59040 - Product Circularity Data Sheet

*In progress - CD stage*

- General methodology and format for **reporting and exchanging** information about the **circular economy aspects** of products when acquiring or supplying products;
- 3 tier system based on picklist concept:
  - Minimum set of **circular required statements** needed to have a solid base of statements;
  - **Additional optional statements** which can be made required;
  - Free form addition linked to a statement or supplemental information.

UID	Statement topic for optional statements
3.4.1.01	Availability of pre-consumer recycled content composition at the threshold limit of 0,1 % of recycled content weight.
3.4.1.02	The data is available publicly (relates to UID 3.4.1.00).
	Availability of post-consumer recycled content composition at the

UID	Statement topic for required statements
3.5.0.01	Mass fraction of renewable materials out of the total product mass is 0%.
3.5.0.02-09	Mass fraction of renewable materials out of the total product mass is (expressed in ranges).
3.5.0.10	The data on renewable content is available publicly.



# Focus: ISO 59014 - Environmental management and circular economy – Sustainability and traceability of secondary materials recovery – Principles and requirements

*In progress - CD stage*

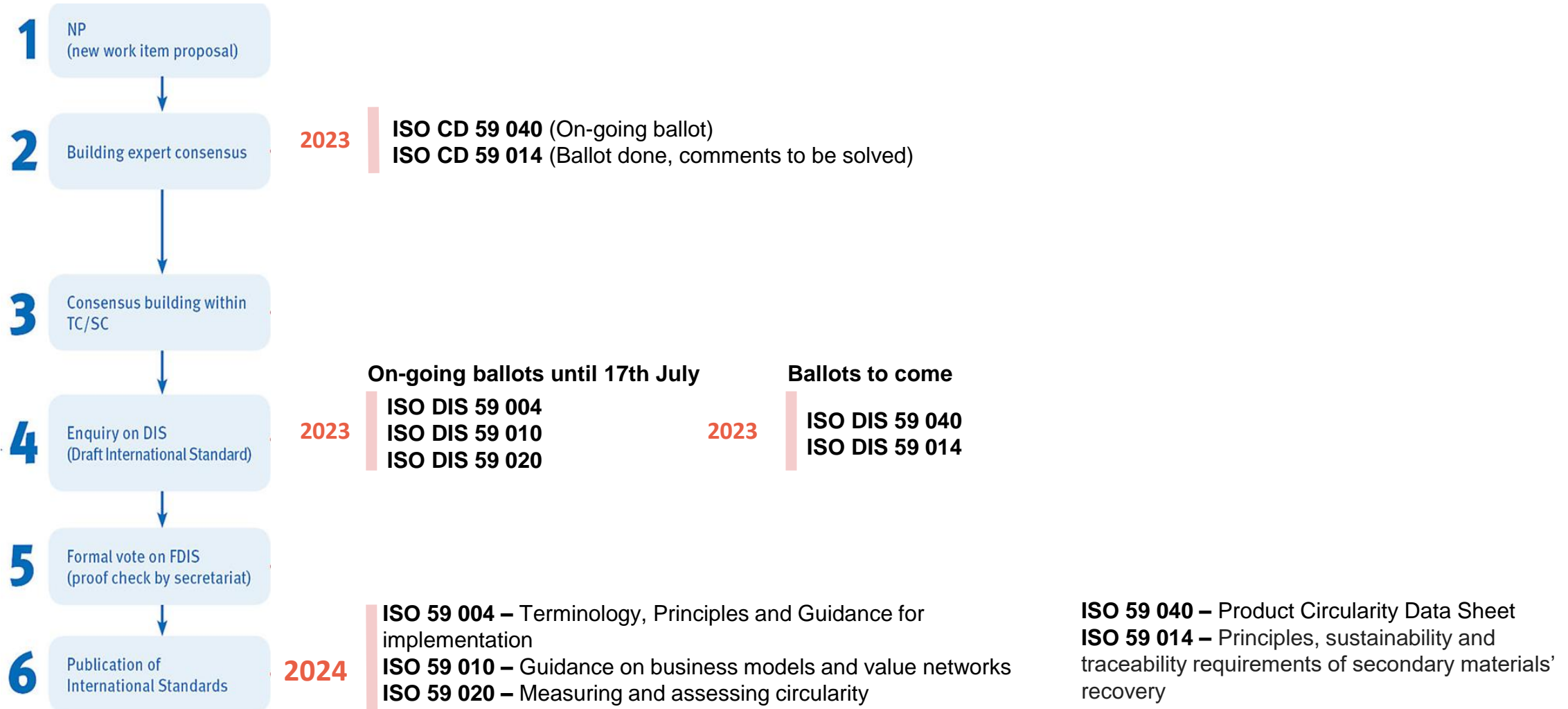


## Scope:

- provide principles and requirements for enabling the **sustainability and traceability of activities and processes** in the recovery of secondary materials;
- address **secondary materials**, resources not recovered as materials and non-recovered wastes in an organization's value chain;
- address the role of **subsistence activities** within waste collection and treatment with the aim of **ensuring safe and healthy working conditions**.
- **No quality criteria** for specific types of secondary materials recovered.

=> Applicable to any organization, regardless of their size, type and nature of the activities or the location/region at which they occur.

# TIMELINE



# LES ORIENTATIONS EUROPEENNES

Entre réglementations et normalisation

# TAXONOMIE

## LES 6 OBJECTIFS ENVIRONNEMENTAUX

Atténuation du  
changement climatique



Adaptation au  
changement climatique



Prévention et contrôle  
de la pollution



Utilisation durable et  
protection de l'eau



Transition vers une  
économie circulaire



Protection de la  
biodiversité



# CSRD — Corporate Sustainability Reporting Directive

La directive sur la publication d'informations en matière de durabilité par les entreprises



Élément clé du Pacte Vert Européen

Il s'agit d'un **renforcement** des règles déjà existantes (directive 2014 sur la publication d'informations non financières, **NFRD**)

Aspects généraux	Environnement (E)	Gouvernance	Social
ESRS 1 Exigences générales	ESRS E1 Changement climatique	ESRS G1 Conduite commerciale	ESRS S1 Main d'œuvre propre à l'entreprise
ESRS 2 Contenus généraux	ESRS E2 Pollution		ESRS S2 Employés de la chaîne de valeur
	ESRS E3 Ressources hydriques et marines		ESRS S3 Communautés concernées
	ESRS E4 Biodiversité et écosystèmes		ESRS S4 Consommateurs et utilisateurs
	ESRS E5 Utilisation des ressources et économie circulaire		

# ESPR — Ecodesign for Sustainable Products Regulation

Package fournissant les outils nécessaires pour relever les défis environnementaux

Maintien directive écoconception dans un 1<sup>er</sup> temps

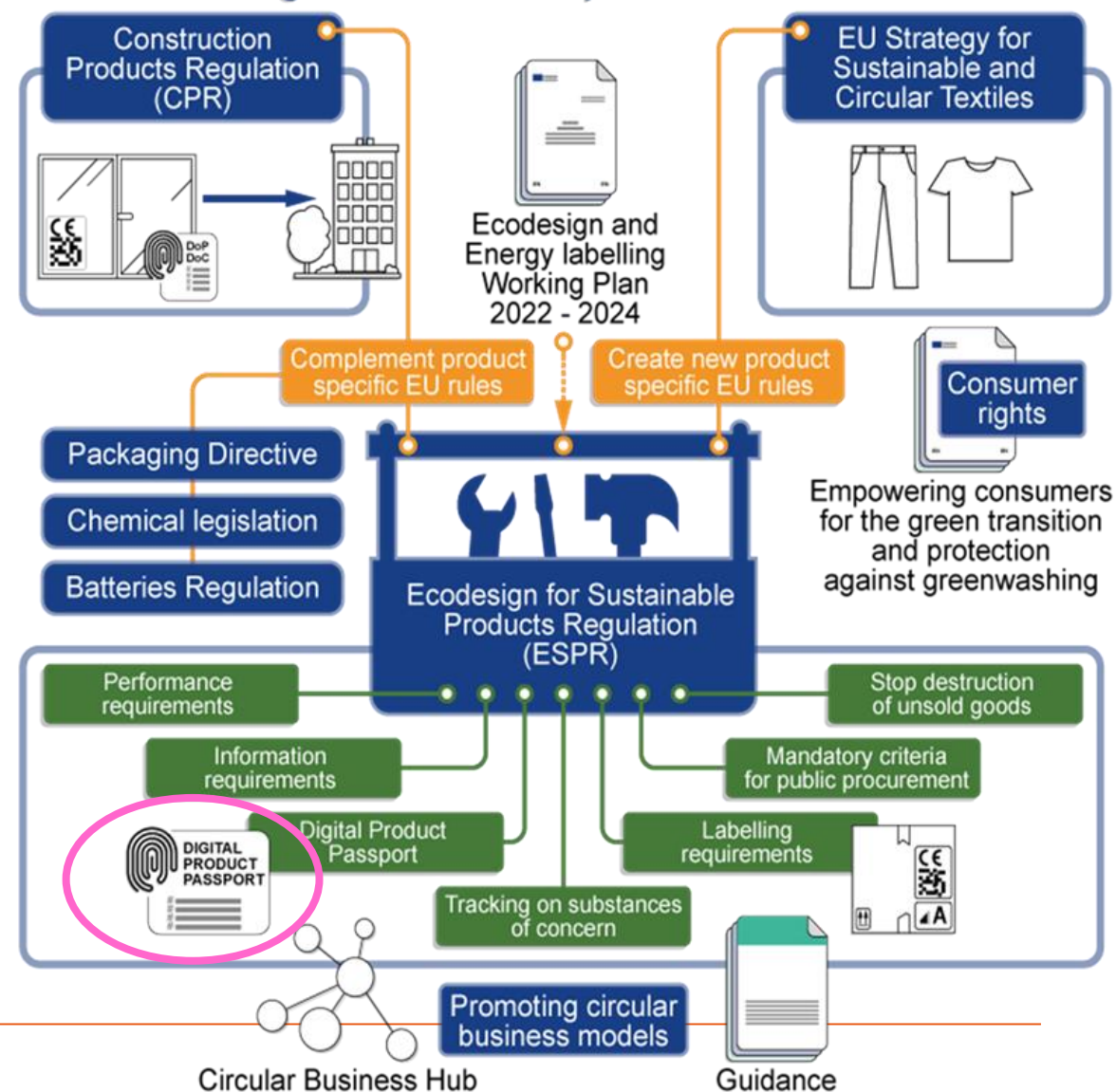
Mise en place de nouvelles dispositions lorsque rien n'existe (ex : textiles)

Complément aux réglementations sectorielles qui intègrent des dispositions (ex : RPC, emballages, batteries, substances)

L'ESPR sert également de filet de sécurité au cas où la législation sectorielle ne répondrait pas suffisamment aux objectifs de durabilité environnementale

Dispositifs législatifs pour soutenir le choix des consommateurs

## Making sustainable products the norm



# VERS UN ALIGNEMENT DES OUTILS

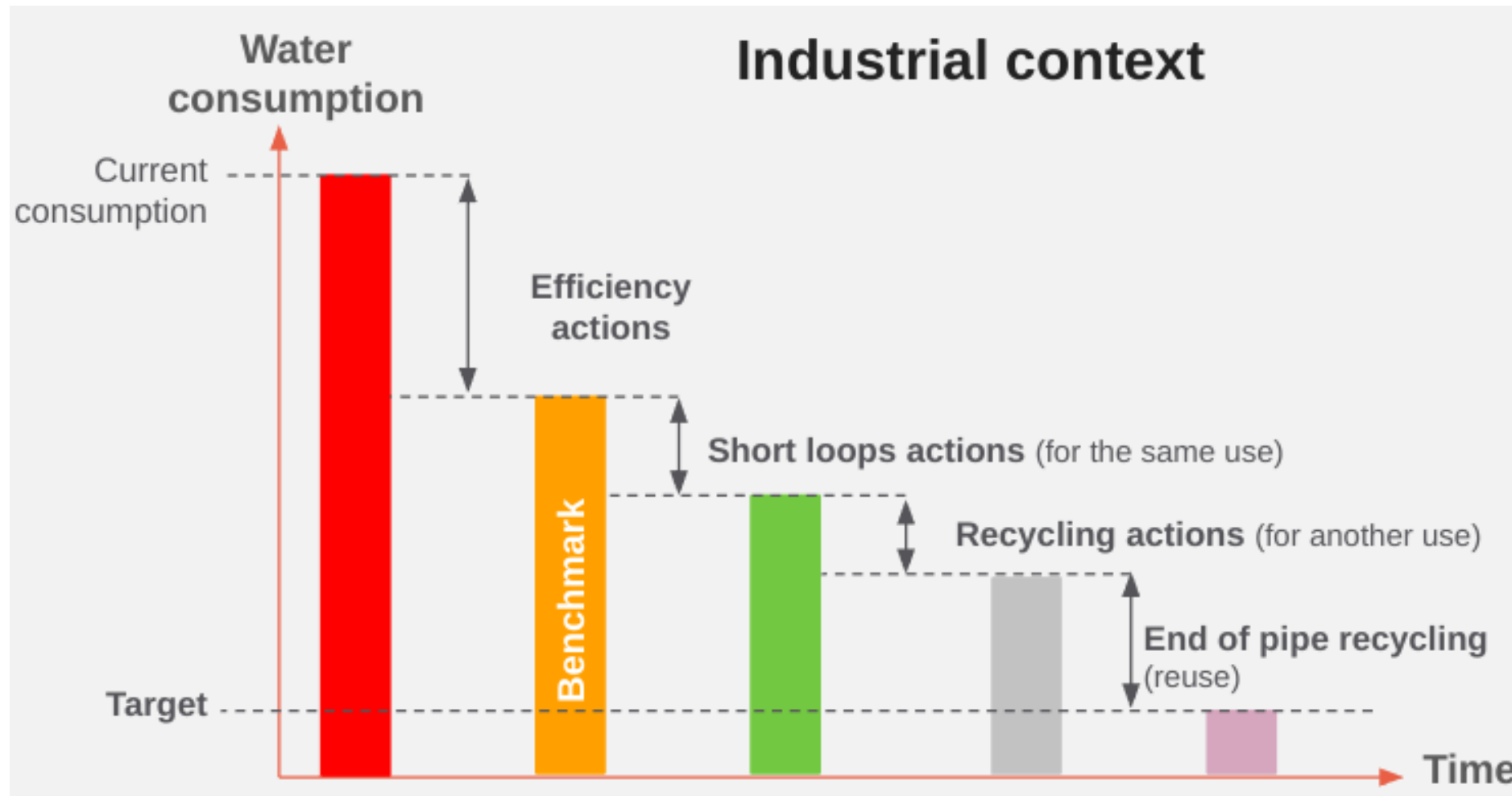
- Les normes ISO sont « Pacte vert » compatibles
- Proposition de création d'un comité européen (CEN) pour :
  - Positionner les normes ISO en références, y compris au niveau européen pour :
    - Aider les entreprises à être en capacité de répondre aux exigences législatives européennes
    - Disposer d'un même langage quel que soient les marchés
  - Proposer des dispositions complémentaires aux normes ISO lorsque nécessaires
  - Investiguer d'autres besoins (passeport numérique produits, responsabilité élargie des producteurs.....)

# ET CONCRETEMENT

Exemples de mise en place de  
l'économie circulaire par VEOLIA

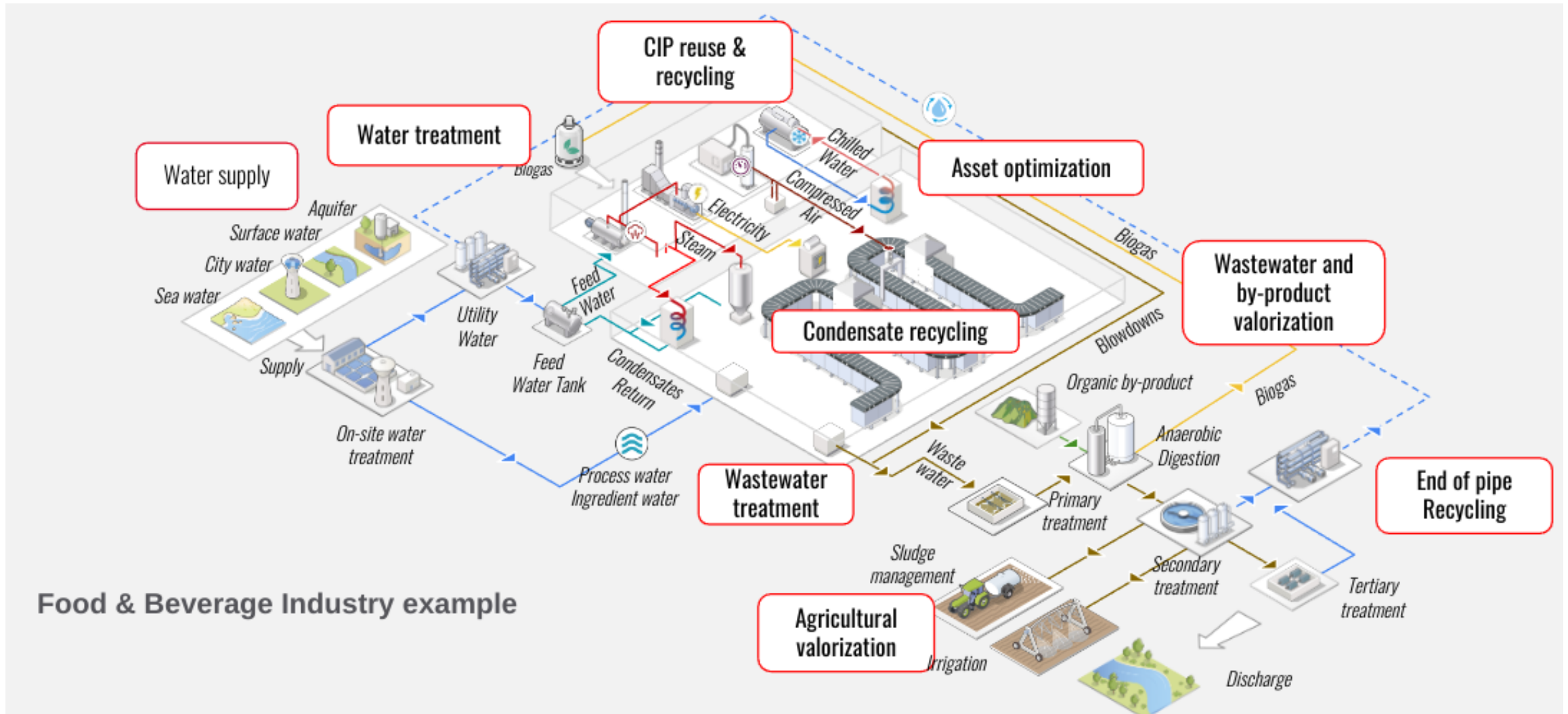


# Circular economy solutions - water



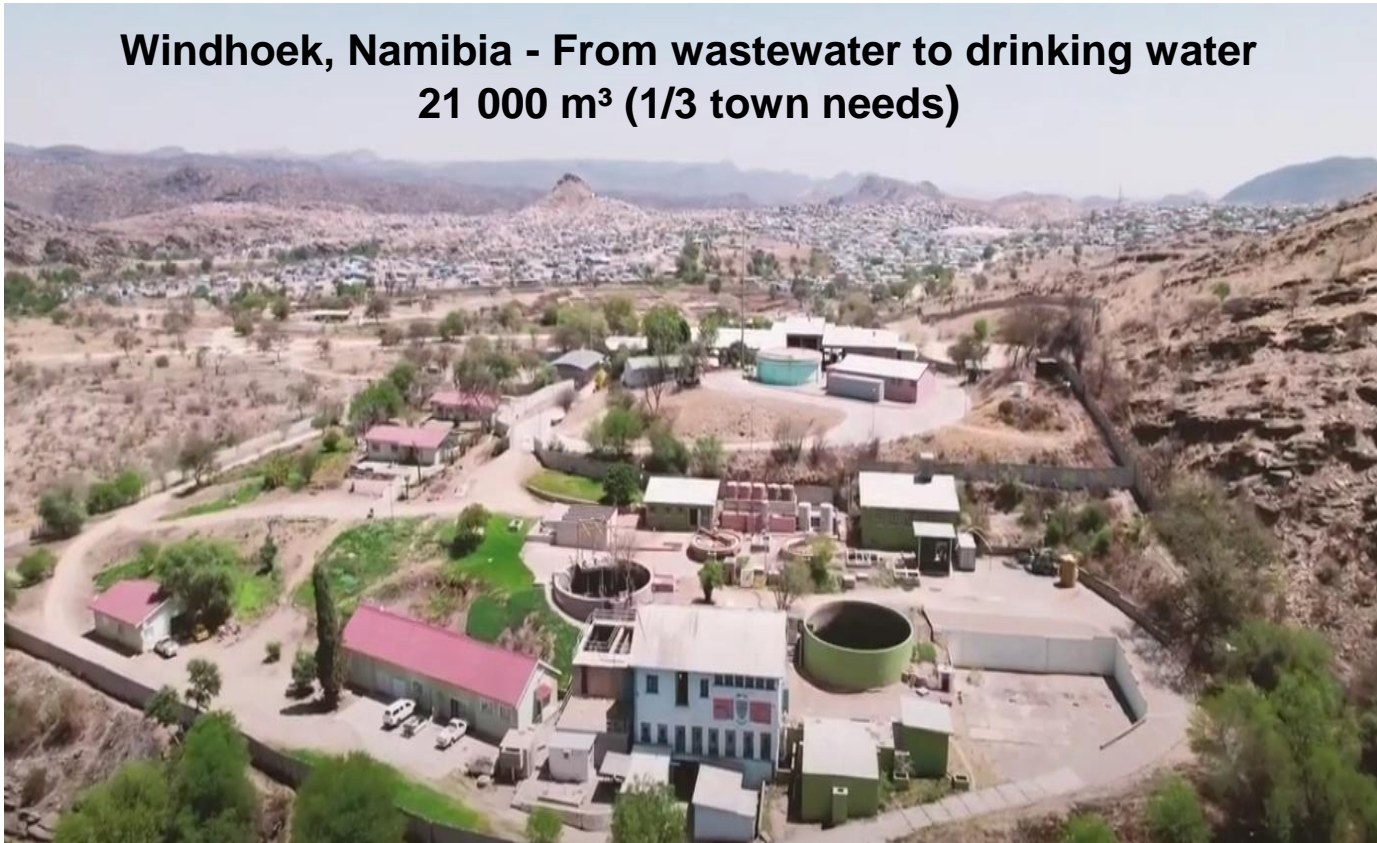
**+ Nutrients recovery solutions**

# Circular economy solutions - water-waste-energy



# Circular economy solutions

Windhoek, Namibia - From wastewater to drinking water  
21 000 m<sup>3</sup> (1/3 town needs)



Digital platform to  
reuse used equipment

Life2Life  
by  VEOLIA



[www.youtube.com/watch?v=pRXu7Qr0R04](https://www.youtube.com/watch?v=pRXu7Qr0R04)

# SVC

19 AU 30  
JUN 2023

# SOMMET VIRTUEL DU CLIMAT



[www.linkedin.com/company/iso-tc-323-circular-economy](https://www.linkedin.com/company/iso-tc-323-circular-economy)



**Catherine Chevauché**

VEOLIA STRATEGY & INNOVATION

Multifaceted Performance and Sustainable Development

Mobile +33 6 73 30 31 74

[catherine.chevauche@veolia.com](mailto:catherine.chevauche@veolia.com)

# MERCI !

## Donnez-nous votre avis sur cette webconférence



**Mélanie Raimbault Verrier**

AFNOR Normalisation

Responsable développement Evt/RSE

Tel : +33 1 41 62 88 80 / +33 6 48 39 09 43

[melanie.raimbault@afnor.org](mailto:melanie.raimbault@afnor.org)