



Prevención de Residuos Marinos en el Mar Caribe
Promoviendo Soluciones de Economía Circular en
República Dominicana, Costa Rica y Colombia

Participation Report:
International plenary meeting ISO/TC 323 on
Circular Economy,
Sao Paulo, Brazil 2-6 October, 2023"



BMU



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TABLE OF CONTENT

I.	RELEVANCE FOR PROMAR	3
II.	MAIN LEARNINGS	4
III.	NEXT STEPS	6
IV.	NETWORKING USEFUL FOR PROMAR.....	7
V.	DISSEMINATION OF THE ACTIVITY	7
	Annex 1: Agenda.....	13
	Annex 2: Article for PROMAR website.....	14

I. RELEVANCE FOR PROMAR

The International Standardization Organization known as ISO launched in May 2019 in Paris, France a new technical committee on Circular Economy title: ISO/TC 323. The scope of this committee is:

“Standardization in the field of circular economy to develop frameworks, guidance, supporting tools and requirements related to the implementation of activities of all involved organizations to maximize the contribution to sustainable development”.

CEGESTI, as a member of the Costa Rican Standardization Organization (INTECO) participated in the official launched hold by the French Standardization Organization (AFNOR) and supported INTECO in the creation of the mirror committee in Costa Rica title: CTN 23.

Due to the complexity of the subject and the worked required, the ISO/TC 323 decided to split the work in four groups:

Group 1: Principles, framework, terminology, MSS

Group 2: Guidance for implementation and sectorial applications

Group 3: Measuring Circularity

Group 4: Specific Issues

Due to the large experience of CEGESTI on standardization, the members of the Costa Rican Mirror committee CTN 23, elected Ms. Daira Gómez to be the chair of the Group 2.

The Group 2 is producing the standard “Circular Economy — Guidance on the transition of business models and value networks -ISO 59010”

On December, 2022 The WG 2 met in Paris with the aim to work on the editing of the ISO CD 59010, review comments and refine the standard. PROMAR-CEGESTI were present at the meeting providing inputs and exchanging knowledge. A new version was produced that was submitted for a ballot process. As a result, on July 18th, 2023 the ISO DIS 59010 was approved.

It is worth clarifying that standard evolved from December 2022 from being a Committee Draft- CD (the stage where drafting takes place) to be a Draft International Standard – DIS on July 2023. This stage is the end result of the work produced by a Working Group and approved by a Technical Committee. A document in the DIS stage is more than 95% technically accurate.

The international plenary meeting ISO/TC 323 in Sao Paolo was the 5th plenary meeting and the second one conducted physically. PROMAR-CEGESTI have also participated in the 2nd, 3rd and 4th virtual meetings. The overall aim of the meeting was to produced the final versions of the four standards under development in order to be published by the first quarter of 2024. Therefore, in terms of influence and feedback con the concepts of circular economy this Plenary Meeting is key.

The overall agenda was divided in plenary and working groups meetings. CEGESTI participated in the WG2 meetings as chair of the CR mirror committee.

In terms of PROMAR, circular economy is a fundamental concept to approach the prevention of marine litter. To be a member of the ISO committee have advantages in both ways; Costa Rica Promar can influence the scope and requirements of the standard, and at the same time can learn from worldwide experts and share the knowledge with other Promar partners and stakeholders.

Promar-Costa Rica has already produced two main tools for our Blue Tool Box title:

“A base line on circular economy” and “The Technical Assistance methodology to support plastic manufacturing companies transitioning to circular economy”. The tools were enriched with the knowledge exchanged during the development of the 59000 Standards. A relevant fact is the technical assistance provided to the CR companies will be the first to apply the concepts of 59000 standards.

Dissemination of results applying the standards will take place in November during the Regional Event of Promar in Colombia and in INNOVAPLAST in Costa Rica.

II. MAIN LEARNINGS

As chair of the Working Group 2 of the mirror committee CTN 23 on Circular Economy I joined the discussions on the comments received on DIS 59010 Circular Economy — Guidance on the transition of business models and value networks. The main interest to participate in the discussions is to strengthen the methodologies we are elaborating for the BlueBox of PROMAR. In particular, I have personally contributed with the following changes.

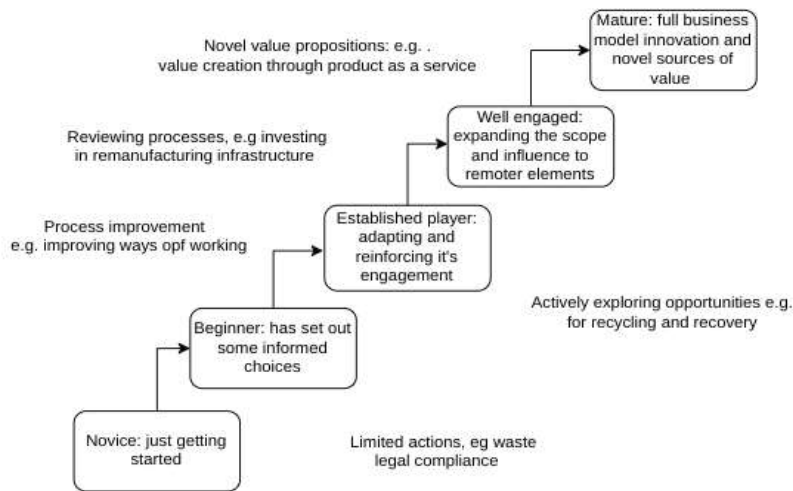
2.1 The concept of maturity is not included in the standard.

It was a large discussion on paragraph 4.5 *Understand the level of circular maturity of the organization*. And the implications of embracing the concept of maturity in circular economy.

I volunteered to join a small group with representatives from France, Sweden and USA to propose a new text.

The types of actions pursued by the organization will differ depending on its maturity in matters of circularity. For example, in Figure 4, an organization may choose as a starting point just to focus on waste minimization, whereas an organization that has a well-established circular strategy may be looking at innovative ways to create value through products as a service.

And propose a new figure:



However, in the subsequent discussion with the whole group it was decided that it was best to remove clause 4.5 altogether and therefore not talk about the concept of maturity.

The main reason that based the decision were.

1. It was discussed that maturity levels had to be associated with specific criteria and that this required more than a single paragraph in the standard.

2. It was mentioned that calling the first level “beginners” could have the opposite effect since there are companies that are unknowingly executing circular economy practices.

Personally, I consider that by eliminating it from the norm it gives us two opportunities: a. proposes a specific standard for maturity levels and b. expressly request that it be included in the next review of the standard, which apparently will take place very soon.

2.2 The concept of initial investment will be considered as an element when preparing for EC

On clause 6.2 Review the elements of the business model in light of desired changes

Changes made to each business element will be reflected in the cost structure. The cost structure is usually discussed when the potential benefits of the circular economy are addressed. Capital investments in circularity, can be associated with cost savings from resource use and reduced exposure to price volatility in sourced materials. Partnerships, such as industrial symbiosis, can retain value from material flow, product costs, and cost of product development, or investments through shared infrastructure. There also are circular actions can require less life cycle cost such as product service system (PSS)

2.3 Introduce a criterium to define if a figure is included or not in the standard.

During the discussion, it was an inconsistency on what type of figure should be included then I proposed the following criteria that was accepted.

To use of figures in the main text when it helps understand the concept or main messages, and put figures in the annex to add supplementary examples.

2.4 Redundancy between 59004 and 59010

There is a redundancy regarding concepts and implementation guide between both standards, it was a large discussion. Although it would have been preferable to avoid duplication, there is the advantage that you **don't** need to buy the two standards if you want to work on business models. In this line, there is a request to start reviewing the standard one year after publication.

2.5 Concept of user/costumer vs consumer


There is an agreement to use the concept of user/costumer because consumer sends the message that the product "ends with the consumer" In circular economy the idea is that the products continues it flows after use.

2.6 Circularity vs circular

There is an agreement to use the concept of circularity objectives and not circular objectives. This is key for translation in Spanish.

III. NEXT STEPS

This is the timetable for the publication of the standard.

 Actions and planned activities <small>(until ISO/TC 323 plenary meeting in June 2024)</small>	
2 nd – 6 th October	WG2 10th meeting in Sao Paulo
By 17 th October	Convenors prepare proposed changes based on the comments
18 th – 31 st October	Circulation of Pre-FDIS ver.1 in WG2
by 1 st November	Convenors to reflect the comments and make Pre-FDIS ver.2
By 14 th November	Canadian team will do English-language editing to make FDIS ver.3 from Pre-FDIS ver.2
By 15 th November	WG1, 2 & 3 send the updated drafts for FDIS ballot to TC secretariat
1 st December	Review of the drafts by TC management
4 th December	Submission of Standards text + fulfilled comments' table for FDIS to ISO Central Secretariat
Between January and March (8 weeks), 2024	FDIS ballot
Between April and May, 2024	Publication - Current ISO deadline: 14th February 2024

8th Plenary meeting of ISO/TC 323 Circular economy, Sao Paulo 2023

IV. NETWORKING USEFUL FOR PROMAR

More than 100 people attended the meeting and have a particular interaction with members of WG2. In addition, it was possible to have a closer contact with key people involved in circular economy and plastic, three of them were officially invited to participate as speaker in INNOVAPLAST

Mrs. Catherine Chevauché
Circular Economy Director, Veolia
Chairperson of ISO TC 323 Circular Economy
catherine.chevauche@veolia.com

Mrs. Beatriz Luz
Founder
Exchange4ChangeBrazil
beatriz@e4cb.com.br

Julia Farber
Sr. Strategic Manager, Circular Economy & Standards
Julia.farber@eastman.com

Besides, a contact was established with Ms. Evelyn Canales Independent Consultant that works for the PTB-Latin America project on Infrastructure for Circular Economy but also with initiatives for circular economy in Chile. Ms. Canales is willing to receive training on Blue Box Tools and disseminate them in Chile.

V. DISSEMINATION OF THE ACTIVITY

The participation in the Meeting was shared on social networks of facebook, linkedin and whatsapp. I have also wrote an article to be published on Promar website.

On October 4th, I published a post in linkedin to announce the participation in the event and making visible the support of PROMAR. The post received 31 likes and 716 impressions, which I believed it is a good mark. In addition, INTECO, the Costa Rican Standardization Body, published a post referring to my participation, which received 20 reactions. Please notice that INTECO has 22000 followers.

On October 10th, I published the conclusions of the event.

The image shows a LinkedIn post from Daira Gómez, Executive Director. The post is titled "5th Plenary Meeting ISO/TC 323 Circular Economy" and describes the fourth day of the meeting. It mentions the incorporation of comments on the DIS version of standards 59004, 59010, and 59020, and highlights the participation of CEGESTI, PROMAR, and INTECO. The post includes three images: a large group photo of attendees, a name tag for Daira Gómez from INTECO, and a photo of people working at laptops. The post has 31 likes, 1 comment, and 716 impressions.

LinkedIn Post Content:

Profile: Daira Gómez, Directora Ejecutiva

Post Text:

5th Plenary Meeting ISO/TC 323 Circular Economy

We are starting the fourth day of the 5th Plenary Meeting of ISO TC 323 on Circular Economy. A great effort is being doing to incorporate all comments received on the DIS version of the three standards: 59004, 59010, 59020.


CEGESTI as partner of PROMAR's project: Preventing Marine Litter into the Caribbean Sea: while Promoting Circular Economy Solutions and member of CTN 23 lead by INTECO is actively participating in the development of the standards and supporting private sector integrating circularity practices.

Images:

- Group photo of meeting attendees.
- Name tag: Daira Gómez, INTECO.
- People working at laptops.

Engagement:

- 5 days ago
- Reactions: 10 visible, +23 more
- 31 likes, 1 comment
- 716 impressions



INTECO - Instituto de Normas Técnicas de Costa Rica
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INTECO - Instituto de Normas Técnicas de Costa Rica estuvo presente en la plenaria internacional de normalización sobre economía circular en Brasil.

La señora **Daira Gómez**, miembro del CTN 23 comité técnico nacional de economía circular de INTECO, fue parte de la plenaria con el objetivo de dar seguimiento y posicionar los comentarios que el comité ha realizado sobre las primeras normas relacionadas a este tema, las cuales serán publicadas el próximo 2024.

Estas normativas son:

- ✓ ISO 59004 Terminología, principios y guía para la implementación.
- ✓ ISO 59010 Guía en modelos de negocio y redes de valor.
- ✓ ISO 59020 Medir y evaluar la circularidad.

Más de 100 personas asistieron al evento y se trabajó intensamente en analizar todos los comentarios recibidos.

[See translation](#)

5 days ago

Reactions

Reaction icons: 8 individual profile pictures and a '+12' icon.

Interaction icons: 20 likes, 1 comment, and a share icon.

Report icon

Daira Gómez - You
Executive Assistant

New standards will be published soon to support transition to circular economy

The 5th Plenary meeting of ISO/TC 323 "Circular economy" committee finished last week and we can expect to have the three standards, ISO 59004, ISO 59010 and ISO 59020 to be sent soon for ballot and publication.

When published, the three standards will provide to the international committee working on circular economy but also to the society at large an integral pathway to transitioning to circular economy.

ISO 59004 Circular Economy- terminology, Principles and Guidance for Implementation will give us standardized concepts, principles and recommendations for implementation.

ISO 59010 Circular Economy- Guidance on the transition of business models and value networks will provide recommendations on setting transition goals, determine circular economy strategy based on circular economy principles. It also tackles the transition of an organization business model and value networks towards circularity. Review and monitor for continuous improvement.

ISO 59020 Circular Economy- Measuring and assessing circularity. The standard recommends a framework for measuring and assessing circularity, setting boundaries for the systems in focus and guidelines for the choice of indicators. The standard also refers to circularity assessment and reporting.

During the 5th Plenary Meeting held in Sao Paulo, Brazil, discussions aimed to analyze comments received from more than 20 national committees working on the standard, including the ones sent by the Costa Rican committee (INTECO). CEN 23 will definitely produce a more robust version of the standards. From my experience participating in the process, I believe the standards will guide the development of business models and value networks transitioning towards circular economy and in the near future we should document and analyze these experiences in order to accelerate the learning. We should also work on creating maturity models when referring to the experience of an organization working on circular economy. Understanding how an organization can master the transition can support others integrating circular economy practices.

I have the opportunity to participate in the Plenary thanks to the support of PROMAR's project, www.promar.org in terms of PROMAR, circular economy is a fundamental concept to approach the provision of marine litter and the standards are key elements to support the development of technical assistance methodologies publish in [www. https://linkd.es/wP0HyPEw](http://www.https://linkd.es/wP0HyPEw)

cegesti **PROMAR**

ISO TC-323 CIRCULAR ECONOMY Sao Paulo schedule

INTECO

1 expression

Add a comment

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Grupos de Whatsapp de PROMAR-Comité de Economía Circular de INTECO





Annex 1: Agenda

Venue of the Meeting: FIESP Avenida Paulista, 1313 in front of Trianon-Masp Subway Station - Bela Vista, São Paulo - SP, 01311-200 BRAZIL

Plenary Sessions

ajprme@isogest.org - 2023-09-22 15:15:44

Notice of meeting / Draft agenda
Page PAGE 1* MERGEFORMAT 3

Notice of meeting / Draft agenda
Page PAGE 1* MERGEFORMAT 3

DAY 1 – Monday 2 October 2023 8:00 – 13:00 (UTC - 3)				
#	Items	Action (e.g for discussion for information)	N-Doc Number*	Time allocated (min)
1.	Opening of the meeting	For information		5
2.	Welcome from host	For information		5
3.	Roll call of delegates	For information		10
4.	Work environment: Presentation on the ISO Code of Ethics and Conduct Direct link to the ISO Code of Ethics and Conduct	For information		5
5.	Adoption of the agenda	For decision		5
6.	Adoption of the minutes of September 2022 plenary meeting	For decision		5
7.	Appointment of the resolution drafting committee <small>Members of drafting committee are face-to-face participants only</small>	For decision		10
8.	Report of the Committee Manager/Chair	For information		10
9.	Information on updates of ISO directives Monja Corter, ISO TPM	For information		10
10.	Reappointment of convenors of WG1, WG2 and WG3	For decision		15
11.	Review of resolutions from previous meeting (NXX) and status of all items of the portfolio and actions to be taken <ul style="list-style-type: none"> Current work programme Update on target dates for work in progress Confirmation or withdrawal of items on which no progress has been made Systematic review results 	For discussion & possible decision		15
12.	TC 323 external communication	For information and discussion		10
13.	Next TC 323 meetings Resolution 40/2021 (Remote meeting 14/2021) Subject: Next physical meetings TC 323 resolves to maintain a queue for upcoming physical TC 323 meetings in order to prioritize countries that have already expressed their interest in hosting a TC 323 meeting. The order of proposed host countries is currently: Japan, Rwanda, Brazil and Sweden	For information		5

DAY 2 – Friday 6 October 2023 14:00 – 17:00 (UTC - 3)			
14.	Reports from WG convenors 20.1 ISO/TC 323WG 1 – Terminology, principles, frameworks and management system standard: Anne-Sophie Coincé, Jorge Juan Solo Delgado. 20.2 ISO/TC 323WG 2 – Practical approaches to develop and implement Circular Economy: Yoshiaki Ichikawa, Honoré Ndayibenge. 20.3 ISO/TC 323WG 3 – Measuring and assessing circularity: Hans Kröder. 20.4 ISO/TC 323WG 4 – Circular Economy in practice: experience feedback: José Graton. Speakers are preferably face-to-face participants.	For information and discussion	30
15.	Any other business		5
16.	Approval of resolutions	For decision	30
17.	Closure of the meeting (No later than 17:00 UTC - 3)		5

* N-doc to be circulated

Working groups

Sao Paulo schedule - 1st october to 6 october 2023
All meetings will be available on line except for the Resolution Committee

Brazil time: UTC/GMT -3	Sunday 1st oct	Monday 02/10/2023	Tuesday 03/10/2023	Wednesday 04/10/2023	Thursday 05/10/2023	Friday 06/10/2023
Morning	Training sessions for NDBs and experts from developing countries under ISO Action Plan for Developing Countries 5AM-5PM	Opening ceremony and workshop on Circular Economy - ABNT 8AM-12AM	Industrial visit - ABNT 8AM-12AM	CAO 8AM-8AM		Resolution committee: 8AM-8AM
Lunch		LUNCH 12AM-1PM	LUNCH 12AM-1PM	WG 1 9AM-1PM WG 2 9AM-1PM WG 1 9AM-1PM WG 2 9AM-1PM WG 3 9AM-1PM	WG 1 9AM-1PM WG 2 9AM-1PM WG 3 9AM-1PM	WG 1 9AM-1PM WG 2 9AM-1PM WG 3 9AM-1PM
Afternoon		TC 323 plenary session 1PM-3PM	WG 1 1PM-5PM WG 2 1PM-5PM WG 3 1PM-5PM WG 4 1PM-5PM	WG 3 2PM-5PM WG 1 2PM-5PM	WG 4 2PM-4PM	Alignment Task Force: 2PM-3PM if needed
		WG 1 3PM-5PM WG 2 3PM-5PM WG 3 3PM-5PM	Alignment Task Force: 5PM-7PM if needed	Alignment Task Force: 5PM-6PM if needed	WG 1 2PM-5PM WG 2 2PM-5PM WG 3 2PM-5PM	TC 323 Plenary 2PM-5PM
					CAO 6PM-7PM	
					Social event - Dinner (Timing to be)	

Annex 2: Article for PROMAR website.

PROMAR tracks the development of ISO Circular Economy Standards

The International Standardization Organization known as ISO launched in May 2019 in Paris, France a new technical committee on Circular Economy title: ISO/TC 323 aiming to promote standardization in the field of circular economy to develop frameworks, guidance, supporting tools and requirements related to the implementation of activities of all involved organizations to maximize the contribution to sustainable development.



CEGESTI, one of PROMAR's partner, as a member of the Costa Rican Standardization Organization (INTECO) has been involved in the development of three standards

ISO 59004: Circular Economy – Terminology, 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

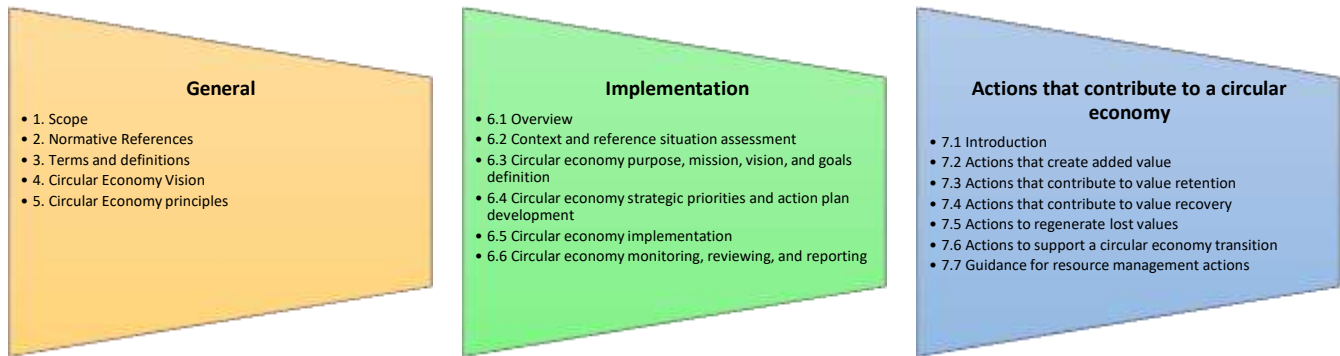
The 5th Plenary Meeting ISO/TC 323 will take place in Sao Paolo, Brazil early October, 2023. The overall objective of the meeting is to produce the final versions of the standards with the expectation to publish them by the first quarter of 2024.

In terms of PROMAR, circular economy is a fundamental concept to approach the prevention of marine litter and the participation of CEGESTI in the Committee allows the exchange of knowledge with worldwide experts that enrich the actions carried by PROMAR.

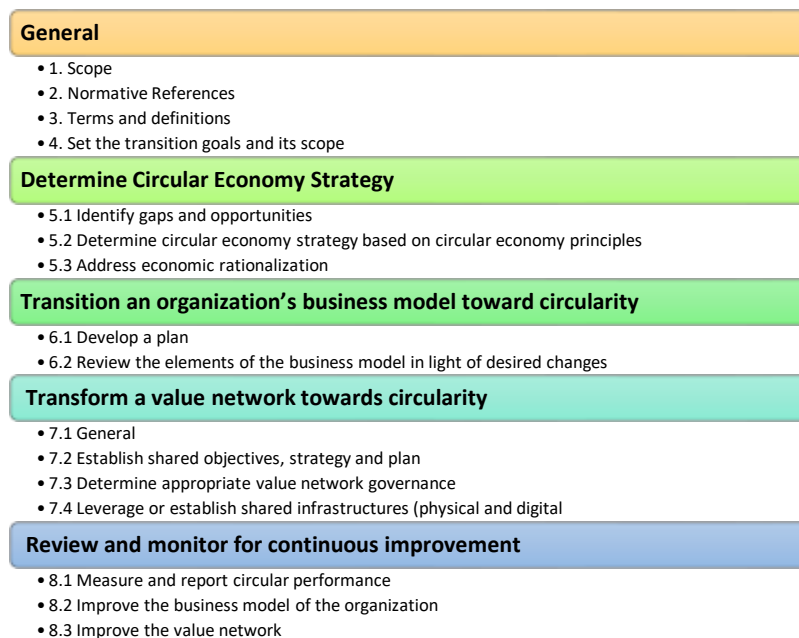
As an example, PROMAR-CEGESTI has already produced two main tools available in our Blue Tool Box title: "A base line on circular economy" and "The Technical Assistance methodology to support plastic manufacturing companies transitioning to circular economy". <https://promar.org/es/bluebox>

Ms. Daira Gómez, Executive Director of CEGESTI shared the main content of the international standards which **at present are at the level of "Draft". The final content of the standards may vary** according to the results of the editing and voting process expected on the following months.

1. Draft International Standard. ISO/DIS 59004 Circular Economy – Terminology, Principles and Guidance for Implementation



2. Draft International Standard. ISO/DIS 59010 Circular Economy – Guidance on the transition of business models and value networks



3. Draft International Standard. ISO/DIS 59020 Circular Economy— Measuring and assessing circularity

General	Framework for measuring and assessing circularity	Boundary setting	Circularity measurement and data acquisition	Circularity Assessment and reporting
<ul style="list-style-type: none"> • 1. Scope • 2. Normative References • 3. Terms and definitions • 4. Principles of measuring and assessing circularity 	<ul style="list-style-type: none"> • 5.1 Framework introduction • 5.2 The context of the application • 5.3 Boundary setting • 5.4 Circularity measurement and data acquisition • 5.5 Circularity assessment and reporting 	<ul style="list-style-type: none"> • 6.1 The system to be measured • 6.2 Determining the circularity measurement and assessment goal and scope • 6.3 Defining the boundaries of the system in focus • 6.4 Defining all resource inflows and outflows of the system in focus • 6.5 Temporal boundary setting • 6.6 System perspective at different levels 	<ul style="list-style-type: none"> • 7.1 Circularity measurement taxonomy • 7.2 Circularity indicator introduction • 7.3 Choice of indicators for circularity measurement • 7.4 Indicators and value • 7.5 Aggregation of circularity indicators • 7.6 Data acquisition introduction • 7.7 Recommendations for data acquisition • 7.8 Documentation 	<ul style="list-style-type: none"> • 8.1 Assessing circularity criteria • 8.2 Steps for assessing circularity performance • 8.3 Review measurement results • 8.4 Assessing value and impact • 8.5 Consult stakeholders, users and target audience • 8.6 Document and report the circularity performance outcome.

PROMAR-CEGESTI are very enthusiastic participating in the next Plenary Meeting and wish ISO very fruitful results.