



**DEUMAN**<sup>®</sup>  
soluciones innovadoras para  
un crecimiento sostenible

July 2020

**Diagnosis of the current situation of the Circular Economy for  
the development of a Roadmap in Ecuador, Dominican  
Republic, Cuba, Paraguay and El Salvador  
Output 1**



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**Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador**

Deliverable 1.1  
Detailed Work Plan


## 1 Detailed work plan

The work plan details all the activities that will be carried out on the technical assistance "Diagnosis of the current situation of the Circular Economy for the development of a Road map in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador", which will be implemented by DEUMAN.

A Gantt chart is also presented in order to identify these activities with deliveries and products, where the milestones and responsibilities are presented, as well as the detailed budget.

Table 1 below presents the contractual conditions of the six products that will be delivered, including the team members.

**Table 1 General Information Chart**

"Diagnosis of the current situation of the Circular Economy for the development of a Roadmap of each requesting country"			
<b>Implementer:</b>	Servicios de Ingeniería Deuman Limitada		
<b>Client:</b>	CTCN-ONU DI		
<b>Partner</b>	Whiitaa		
<b>Deadlines</b>	Contract Signing	07-jul-20	
	Product 1	27-jul-20	
	Product 2	07-dic-20	
	Product 3	07-ene-21	
	Product 4	08-feb-21	
	Product 5	07-abr-21	
<b>Team DEUMAN</b>	Product 6	07-jun-21	
	Technical Coordinator	Jaime Parada	JP
	General Coordinator	Cristhian Abanto	CA
	Assistant Coordinator	Trilce Loyza	TL
	Assistant analyst	Danna espinoza	DE
	Gender Specialist	Virginia Guzmán	VG
	Technical Support	Rodrigo Valenzuela	RV
<b>Team Whiitaa</b>	Administration	Daniela Vera	DV
	Principal Technical Specialist	Brieuc Safree	BS
	Technical Specialist	Justine Laurent	JL
<b>National Consultants</b>	Technical Specialist	Pablo Badenier	PB
	Ecuador	Daniela Cordova	DC
	El Salvador	Salvador Rivas	SR
	Paraguay	Fernando Britez	FB
	Cuba	Fhabrisia de Jesús	RB
<b>Technical Counterpart</b>	Dominican Republic	Fhabrisia de Jesús	RB
	CTCN-ONU DI	Judit Rodriguez	

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Table 2 below describes the main role of each member of the project team for this technical assistance.

**Table 2 Roles and functions of the project team**

	Name	Code	Function
<b>DEUMAN Team</b>	Jaime Parada	JP	Head of Study whose function is to direct, supervise and enforce the Terms of Reference of the project.
	Cristhian Abanto	CA	General Coordinator who performs the function of organizing all meetings and monitoring the fulfillment of activities, commitments, etc. Responsible for the elaboration of general templates and communication between the client, the stakeholder and the consulting team.
	Trilce Loayza	TL	Assistant coordinator who performs the function of recording all meetings and the development of activities and deliverables corresponding to specific countries.
	Rodrigo Valenzuela	RV	Technical specialist in charge of providing support and specialized technical support, his main contribution is to support the preparation of the roadmap.
	Virginia Guzmán	VG	Gender Specialist, responsible for social impact analysis, gender balance, identification of gender gaps and barriers, and will work with the beneficiary communities with the project.
	Danna Espinoza	DE	Assistant coordinator who performs the function of recording all meetings and the development of activities and deliverables corresponding to specific countries.
<b>Whiitaa Team</b>	Brieuc Safree	BS	Principal technical specialist in charge of providing specialized technical knowledge, his main contribution is the preparation of the roadmap
	Justine Laurent	JL	Technical specialist in charge of providing specialized technical support, his main contribution is to support the preparation of the roadmap
	Pablo Badenier	PB	Technical specialist in charge of providing specialized technical support, his main contribution is to support the preparation of the roadmap
<b>National Consultants</b>	Salvador Rivas	SR	National Consultant in charge of contacting local stakeholders, organizing presentations and meeting with them, either in person or virtually.
	Daniela Cordova	DC	National Consultant in charge of contacting local stakeholders, organizing presentations and meeting with them, either in person or virtually.
	Fernando Britez	FB	National Consultant in charge of contacting local stakeholders, organizing presentations and meeting with them, either in person or virtually.
	Rafael Bariguete	RB	National Consultant in charge of contacting local stakeholders, organizing presentations and meeting with them, either in person or virtually.
<b>Support DEUMAN</b>	Daniela Vera	DEUMAN	DEUMAN's Administrator.

1.1 Gantt charts

This Gantt chart shows the general scheme of work for all the consultancy service that will be adjusted by each country after having a kick off meeting with each NDE by country.

Table 3 General Gantt Chart of the consultancy service

Activities	Responsible	Status	Estimated term	Start date	Ending date	SCHEDULE																
						month 1	month 2	month 3	month 4	month 5	month 6	month 7	month 8	month 9	month 10	month 11	month 12					
0			Signing of contract	RV	Completed		07/07/20															
0			Individual Meetings Local Consultants	CA	Completed	4	13/07/20	16/07/20														
0			Kick Off Deuman meeting - CTCN	CA	Completed	1	23/07/20	23/07/20														
0			Kick Off Deuman meeting - Whiita	JL	Completed	1	17/07/20	17/07/20														
0			Validation of Administrative Constraints	CA	Completed	1	17/07/20	17/07/20														
0			Compilation of CTCN Formats	CA	Completed	1	17/07/20	17/07/20														
0			Development of the Activity Control Form	CA	Completed	1	17/07/20	17/07/20														
1.			PRODUCT 1: Detailed Work Plan				27/07/20															
1.1			Activity 1.1: Work Plan																			
1.1.1			Validation of the Activity Control Form by Consulting Team	Local	Completed	1	17/07/20	17/07/20														
1.1.2			Schedule of progress meetings by country	CA	Completed	2	17/07/20	18/07/20														
1.1.3			Validation of the schedule of progress meetings	Consultant Team	Completed	2	19/07/20	20/07/20														
1.1.4			Internal Coordination Meeting among the Consulting Team	Consultant Team	Completed	1	22/07/20	22/07/20														
1.1.5			Schedule of Launch meeting in each country with their respective NDE	CA	Completed	5	27/07/20	31/07/20														
1.2			Activity 1.2: Evaluation and Monitoring Plan																			
1.2.1			Analysis of "closure and data collection report" indicators	DE	Completed	3	15/07/20	17/07/20														
1.2.2			Risk Analysis of the consulting service	TL	Completed	2	20/07/20	21/07/20														
1.2.3			List of Key Performance Indicators	DE	Completed	4	17/07/20	20/07/20														
1.2.4			Development of the evaluation and monitoring plan	TL	Completed	5	17/07/20	21/07/20														
1.2.5			Validation of the evaluation and monitoring plan by Consulting Team	Consultant Team	Completed	1	22/07/20	22/07/20														
1.3			Activity 1.3: Description of CTCN Impacts																			
1.3.1			Risk and vulnerability analysis of the consulting service	DE	Completed	1	22/07/20	22/07/20														

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1.3.2		Analysis of the CTCN Impact Description Template	DE	Completed	1	21/07/20	21/07/20												
1.3.3		Impact Assessment of the Consulting Service	DE	Completed	1	23/07/20	23/07/20												
1.3.5		Development of the description of Impacts of the CTCN	DE	Completed	1	23/07/20	23/07/20												
1.4		<b>Activity 1.4: Closure Report and Information Collection</b>																	
1.4.1		Analysis of CTCN Formats	DE	Completed	1	24/07/20	24/07/20												
1.4.2		Preparation of the Closure and Data Collection Report	DE	Not completed	1	01/06/21	05/06/21												
CC1		<b>Product Quality Control</b>																	
CC1.1		Preparation of the Product 1 Template	TL	Completed	1	17/07/20	17/07/20												
CC1.2		First Draft of Product 1	DEUMAN	Completed	1	21/07/20	21/07/20												
CC1.3		Comments and Observations by the Consulting Team	Consultant Team	Completed	1	22/07/20	22/07/20												
CC1.4		Review of the observations	Consultant Team	Completed	1	23/07/20	23/07/20												
CC1.5		Preparation of the Final Version of Product 1	DEUMAN	Completed	1	23/07/20	23/07/20												
CC1.6		Review of the observations	DEUMAN	Completed	1	24/07/20	24/07/20												
CC1.7		Quality Review in Form and Substance of the Document	JP	Completed	1	24/07/20	24/07/20												
P1		<b>Presentation of Product 1</b>	CA	Completed	1	27/07/20	27/07/20												
E1.1		Work Plan	CA	Completed	1	27/07/20	27/07/20	X											
E1.2		Monitoring and Evaluation Plan	CA	Completed	1	27/07/20	27/07/20	X											
E1.3		Impact description document	CA	Completed	1	27/07/20	07/06/21	X											X
E1.4		Closure report and data collection	CA	Not completed	1	07/06/21	07/06/21												X
2		<b>Product 2: Diagnosis of key actors and current initiatives related to the circular economy in each country</b>					07/07/20												
2.1		<b>Activity 2.1: Initial meeting to present technical assistance to different stakeholders from participating countries.</b>																	
2.1.1		Validation of the list of stakeholders	Local	Not completed	4	28/07/20	31/07/20												
2.1.2	RP 1	Progress Meeting with each NDE by country and CTCN	DEUMAN	Not completed	5	03/08/20	07/08/20												
2.1.3		Development of the communication strategy by country	CA	Not completed	5	03/08/20	07/08/20												
2.1.4		Management of networks and communication documents to attract actors	TL	Not completed	5	03/08/20	07/08/20												
2.1.5		Schedule of meetings	TL/DE	Not completed	1	07/08/20	07/08/20												
2.1.6		Gender training for the execution of meetings	VG	Not completed	1	07/08/20	07/08/20												
2.1.7		Development and training in the use of inquiry guidelines and meeting minutes.	DE	Not completed	5	03/08/20	07/08/20												
2.1.8		Development of standard presentation for stakeholders managers and industries	TL	Not completed	1	10/08/20	10/08/20												
2.1.9	Wsp 1	First Workshop Managers and Industries- Presentation of Technical Assistance	Local	Not completed	6	12/08/20	17/08/20												
2.2	Tdr	<b>Activity 2.2: Exploration and diagnosis of stakeholders and initiatives in each country</b>																	
2.2.1		Information Review- Existing Initiatives	TL/DE	Not completed	4	28/07/20	31/07/20												
2.2.2		Information Review- Regulatory and Policy Frameworks	TL/DE	Not completed	4	03/08/20	06/08/20												
2.2.3		Information Review- Country Ownership	TL/DE	Not completed	6	07/08/20	12/08/20												

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2.2.4		Information Review- Interinstitutional Agreements	TL/DE	Not completed	6	13/08/20	18/08/20												
2.2.5		Information Review- Academia, academic groups, research institutes	TL/DE	Not completed	3	19/08/20	21/08/20												
2.2.6		Information Review- Coordination and Promotion Spaces	TL/DE	Not completed	3	24/08/20	26/08/20												
2.2.7		Information Review- Preliminary studies, feasibility studies, diagnostics, etc	TL/DE	Not completed	7	26/08/20	01/09/20												
2.2.8		Review of Information Collection	Consultant Team/Local	Not completed	4	01/09/20	04/09/20												
2.2.9		Start of individual meetings stakeholders	TL/DE/Local	Not completed	29	10/08/20	07/09/20												
2.2.10		Preparation of characterisation sheets	DE	Not completed	29	10/08/20	07/09/20												
2.2.11		Matrix for the prioritization of stakeholders	TL	Not completed	5	07/09/20	11/09/20												
2.2.12		Discussion of Results the meetings stakeholders	Consultant Team/Local	Not completed	3	14/09/20	16/09/20												
2.2.13		Management Strategy by Actor	TL/DE	Not completed	2	17/09/20	18/09/20												
2.2.14	RP 2	Progress Meeting with each NDE by country and CTCN	DEUMAN/Local	Not completed	4	28/09/20	01/10/20												
2.2.15		Formation of working groups	CA/Local	Not completed	2	01/10/20	02/10/20												
2.2.16		Preparation of Chapter I and II of the Country Roadmap (I. Country Ownership II. Context and Initiatives)	DEUMAN	Not completed	26	14/09/20	09/10/20												
2.2.17		Discussion and analysis of stakeholder prioritization	Consultant Team	Not completed	3	02/09/20	04/09/20												
2.2.18		Development of the Actors Map by country	TL/DE	Not completed	3	07/09/20	09/09/20												
2.2.19		Define cluster of priority economic activities or actions (TDR item 10 activity 2.2)	TL/DE	Not completed	10	09/09/20	18/09/20												
2.2.20		Cluster Discussion and Evaluation by Country	Consultant Team	Not completed	5	21/09/20	25/09/20												
2.2.21		Interviews with technical committees and NDC and SDG implementers by country	DEUMAN	Not completed	5	28/09/20	02/10/20												
2.2.22	Wsp 2	Second Workshop Communication of First Results	DEUMAN/Local	Not completed	5	05/10/20	09/10/20												
2.2.23		Preparation of chapter iii. Actors map	DEUMAN	Not completed	5	12/10/20	16/10/20												
2.2.24		Implement of "Gender Mainstreaming toolkit" by country (CTCN)	VG	Not completed	33	28/09/20	30/10/20												
2.2.25		State of the art for the transversalisation of the gender variable in chapters I, II and III	VG	Not completed	12	19/10/20	30/10/20												
<b>Product Quality Control</b>																			
CC2.1		Preparation of the Deliverable E 2.1 Template	CA	Not completed	1	21/09/20	21/09/20												
CC2.2		First Draft Deliverable E 2.1	DEUMAN	Not completed	3	22/09/20	24/09/20												
CC2.3		Comments and Observations by the Consulting Team	Consultant Team/Local	Not completed	1	25/09/20	25/09/20												
CC2.4		Review of the observations and preparation of the Final Version of E 2.1	DEUMAN	Not completed	2	28/09/20	29/09/20												
CC2.5		Deliverable quality review	JP/CA	Not completed	1	30/09/20	30/09/20												
CC2.6		Preparation of the Deliverable E 2.2 Template	CA	Not completed	3	04/11/20	06/11/20												
CC2.7		First Draft Deliverable E 2.2	DEUMAN	Not completed	5	09/11/20	13/11/20												
CC2.8		Comments and Observations by the Consulting Team	Consultant Team/Local	Not completed	3	16/11/20	18/11/20												

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CC2.9		Review of the observations	Consultant Team	Not completed	3	18/11/20	20/11/20												
CC2.10		Preparation of the Final Version of E 2.2	DEUMAN	Not completed	8	23/11/20	30/11/20												
CC2.11		Systematization of reports, minutes and communication documents	DEUMAN	Not completed	2	01/12/20	02/12/20												
CC2.12		Deliverable quality review	JP/CA	Not completed	2	03/12/20	04/12/20												
	P2	Presentation of Product 2	CA	Not completed	1	07/12/20	07/12/20												
	E2.1	Reports of the meetings	CA	Not completed	1	28/08/20	28/08/20												X
	E2.2	Assessment Report	CA	Not completed	1	07/12/20	07/12/20												X
3	Tdr	Product 3: Identification of the Value of the Circular Economy and definition of the benefits, weaknesses, opportunities and challenges in each country					07/01/21												
3.1		Activity 3.1: Diagnosis of perceived benefits																	
3.1.1		Definition of profit rates	TL/DE	Not completed	3	05/10/20	07/10/20												
3.1.2		Definition of "waste" by country	Consultant Team/Local	Not completed	3	05/10/20	07/10/20												
3.1.3		Characterization of waste products or by-products of waste from each activity	TL/DE	Not completed	5	09/10/20	13/10/20												
3.1.4		Incorporation of NDCs and SDGs	Consultant Team	Not completed	7	13/10/20	19/10/20												
3.1.5		Environmental, social and economic benefits	TL/DE	Not completed	8	20/10/20	27/10/20												
3.1.6		Other benefits	TL/DE	Not completed	5	29/10/20	02/11/20												
3.1.7		Review of Local Contexts	Local	Not completed	5	02/11/20	06/11/20												
3.1.8		Discussion of results	DEUMAN/Local	Not completed	3	09/11/20	11/11/20												
3.1.9		Definition of the scope and methodology of the activity 3.2	DEUMAN/Local	Not completed	2	12/10/20	13/10/20												
3.1.10	RP 3	Progress Meeting with each NDE by country and the CTCN. Validation of the scope definition and methodology of activity 3.2	DEUMAN/Local	Not completed	4	14/10/20	17/10/20												
3.2		Activity 3.2: Diagnosis of Strengths and Opportunities																	
3.2.1		Analysis of technological, innovation and industrialization capabilities	Consultant Team/Local	Not completed	5	17/10/20	21/10/20												
3.2.2		Policies or initiatives related to recycling, climate change or circular economy	TL/DE	Not completed	5	17/10/20	21/10/20												
3.2.3		governance and leadership	TL/DE	Not completed	2	22/10/20	23/10/20												
3.2.4		Level of integration of renewable energies	Consultant Team	Not completed	3	26/10/20	28/10/20												
3.2.5		Alignment with public and private agendas	TL/DE	Not completed	3	28/10/20	30/10/20												
3.2.6		Employment creation	TL/DE	Not completed	4	30/10/20	02/11/20												
3.2.7		Impact on NDCs and SDGs	Deuman	Not completed	2	03/11/20	04/11/20												
3.2.8		Identification of major economic activities	TL/DE/Local	Not completed	12	26/10/20	06/11/20												
3.2.9		Review of Local Contexts	Consultant Team/Local	Not completed	5	09/11/20	13/11/20												
3.2.10		Discussion of Results	DEUMAN/Local	Not completed	3	16/11/20	18/11/20												
3.2.11		Definition of the scope and methodology of the activity 3.3	DEUMAN/Local	Not completed	2	05/11/20	06/11/20												
3.2.12	RP 4	Progress Meeting with each NDE by country and the CTCN. Validation of the scope definition and methodology of activity 3.3	DEUMAN/Local	Not completed	4	23/11/20	26/11/20												

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3.3		<b>Activity 3.3: Diagnostics of Weaknesses and Barriers</b>																		
3.3.1		Regulatory W&B	TL/DE	Not completed	3	09/11/20	11/11/20													
3.3.2		W&B market	TL/DE	Not completed	3	11/11/20	13/11/20													
3.3.3		W&B in support of entrepreneurship	TL/DE	Not completed	2	16/11/20	17/11/20													
3.3.4		W&B financing and capital	TL/DE	Not completed	3	18/11/20	20/11/20													
3.3.5		Industrial and technological W&B	TL/DE	Not completed	4	23/11/20	26/11/20													
3.3.6		W&B in product or material recovery	TL/DE	Not completed	11	27/11/20	07/12/20													
3.3.7		Review of Local Contexts	Consultant Team/Local	Not completed	5	07/12/20	11/12/20													
3.3.8		Discussion of Results	DEUMAN/Local	Not completed	4	14/12/20	17/12/20													
3.4		<b>Activity 3.4: Development of a matrix of indicators</b>																		
3.4.1		Development of transparent and comparable indicators	CA	Not completed	8	27/11/20	04/12/20													
3.4.2		Development of a matrix of indicators	CA	Not completed	5	07/12/20	11/12/20													
3.4.3		Benchmarking with international best practices	TL/DE	Not completed	12	30/11/20	11/12/20													
3.4.4		Review of Local Contexts	Consultant Team/Local	Not completed	4	14/12/20	17/12/20													
3.4.5		Discussion of Results	DEUMAN/Local	Not completed	6	17/12/20	22/12/20													
CC3		<b>Product Quality Control</b>		Not completed																
CC3.1		Development of the Product Template deliverables	CA	Not completed	1	14/12/2020	14/12/2020													
CC3.2		First draft of deliverables	DEUMAN	Not completed	4	15/12/2020	18/12/2020													
CC3.3		Comments and Observations by the Consulting Team	Consultant Team/Locales	Not completed	2	28/12/2020	29/12/2020													
CC3.4		Review of the Observations	Consultant Team	Not completed	2	29/12/2020	30/12/2020													
CC3.5		Preparation of the Final Version of deliverables	DEUMAN	Not completed	3	04/01/2021	06/01/2021													
CC3.6		Systematization of reports, minutes and communication documents	DEUMAN	Not completed	2	04/01/2021	05/01/2021													
CC3.7		Product quality review	JP/CA	Not completed	1	06/01/2021	06/01/2021													
P3		<b>Presentation of Output 3</b>	CA	Not completed	1	07/01/21	07/01/21													
E 3.1		Mapping report of the main economic activities in each country	CA	Not completed	1	06/11/20	06/11/20													X
E 3.2		Report on the strengths and opportunities identified	CA	Not completed	1	07/12/20	07/12/20													X
E 3.3		Reporting on identified weaknesses and barriers	CA	Not completed	1	07/12/20	07/12/20													X
E 3.4		Report with indicator matrix	CA	Not completed	1	07/01/21	07/01/21													X
4	Tdr	<b>Product 4: Review of international experiences</b>				08/02/21														
4.1		<b>Activity 4.1: Benchmarking of international success stories</b>																		
4.1.1		Review of success stories in EU countries	TL/DE	Not completed	4	08/12/20	11/12/20													
4.1.2		Review of success stories in European Commission packages	TL/DE	Not completed	4	14/12/20	17/12/20													
4.1.3		Review of success stories in Japan and China	TL/DE	Not completed	6	18/12/20	23/12/20													
4.2		<b>Activity 4.2: Diagnosis of the conditions and opportunities of international cases</b>																		







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			of a MoU for the creation of a regional platform of circular economy and alternatives of south-south cooperation.																		
E 6.4			Material for the presentation of the results in an event or forum and list of participants. Report on the success of the event.	CA	Not completed	1	07/06/21	07/06/21													X

## 1.2 Principal Activities

The main activities of the Work Plan include internal coordination meetings, preliminary presentations, workshops, product presentations, workshops and courses. The description of each of them is detailed in Table 44.

**Table 4 Description of principal activities**

Distribution	Description
<b>Progress meeting (RP<sub>x</sub>)</b>	Periodic meetings with the Designated National Entity, being able to invite other relevant stakeholders in order to discuss important issues, show the degree of progress and receive feedback.
<b>Product Presentation (P<sub>x</sub>)</b>	Presentations to the CTCN and to the Designated National Entity the content of each Product with the results and findings of the progress.
<b>Workshop (Wsp<sub>x</sub>)</b>	Established meeting with especial and dynamic activities with Stakeholders to complement product 2 and 6.
<b>Working Table (WT<sub>x</sub>)</b>	Regular meetings of mandatory assistance from the Consulting Team with the presence of the CTCN and the most important stakeholders to determine the scope of the TA

The following **¡Error! La autoreferencia al marcador no es válida.**5 presents the Calendar of Activities showing the suggested dates to develop each one of them.

**Table 5 Saving dates of Principal Activities**

Activities	Code	Start date	Ending date
<b>Progress meeting (R<sub>x</sub>)</b>	RP1	03/08/20	07/08/20
	RP2	28/09/20	01/10/20
	RP3	14/10/20	17/10/20
	RP4	23/11/20	26/11/20
	RP5	18/01/21	21/01/21
	RP6	01/03/21	05/03/21
	RP7	13/03/21	17/03/21
	RP8	26/04/21	30/04/21
<b>Working Table (WT<sub>x</sub>)</b>	WT1	25/01/21	27/01/21
	WT2	19/03/21	23/03/21
	WT3	15/04/21	19/04/21
<b>Product Presentation (P<sub>x</sub>) and Deliverables (E x.y)</b>	P1	27/07/20	27/07/20
	E1.1	27/07/20	27/07/20
	E1.2	27/07/20	27/07/20
	E1.3 (a)	27/07/20	27/07/20
	E1.3 (b)	07/06/21	07/06/21
	E1.4	07/06/21	07/06/21
	P2	07/12/20	07/12/20
	E2.1	21/08/20	21/08/20
	E2.2	07/12/20	07/12/20
	P3	07/01/21	07/01/21
	E 3.1	06/11/20	06/11/20

	E 3.2	07/12/20	07/12/20
	E 3.3	07/12/20	07/12/20
	E 3.4	07/01/21	07/01/21
	P4	08/02/21	08/02/21
	E 4.1	07/01/21	07/01/21
	E 4.2	08/02/21	08/02/21
	E 4.3	08/02/21	08/02/21
	P5	07/04/21	07/04/21
	E 5.1	08/03/21	08/03/21
	E 5.2	07/04/21	07/04/21
	P6	07/06/21	07/06/21
	E 6.1	07/04/21	07/04/21
	E 6.2	07/05/21	07/05/21
	E 6.3	07/05/21	07/05/21
	E 6.4	07/06/21	07/06/21
	<b>Workshop (Wsp<sub>x</sub>)</b>	WSH 1	12/08/20
WSH 2		05/10/20	09/10/20
WSH 3		24/05/21	28/05/21
WSH 4		24/05/21	28/05/21

Emphasis is placed on the implementation and importance of holding the working tables for the constant accompaniment of the technical counterpart, the NDE and some of the main stakeholders in order to obtain their opinions and suggestions that reinforce the products 4, 5 and 6, allowing the fulfillment of the client's expectations and objectives of the Terms of Reference. Furthermore, the importance of holding workshops at the beginning and end of the consultancy for the presentation of the TA and the communication of the results to the largest number of stakeholders.

The objectives and agenda of the three workshops and three working groups that will take place throughout the consultancy are summarized below.

**Table 6 Description of the working groups**

Working Group	Objective	Schedule	Start date	Ending Date
Wsp1	Present the technical assistance and engage the stakeholders to the TA.	1. Presentation of Consultancy Planning 2. Presentation of working dynamics 3. Presentation of the list of stakeholders 4. present gender considerations	12/08/20	17/08/20
Wsp2	Provide specific, detailed and ongoing information on stakeholder meetings to the CTCN	1. Report of meetings with stakeholders 2. Analysis preliminary of the assessment report 3. Validation of the stakeholder assessment matrix	05/10/20	09/10/20

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Wsp3	Final presentation of TA results for each country and determination of potential synergies at the regional level.	<ol style="list-style-type: none"> <li>1. Presentation of the results of the TA of each country</li> <li>2. Opening of talks to develop synergies between countries</li> <li>3. Opening of the talks for the Development of a regional Circular Economy Platform</li> </ol>	24/05/21	28/05/21
WT1	Capture the attention and commitment of the main stakeholders and define the scope and expectations of the product 5	<ol style="list-style-type: none"> <li>1. Presentation of the results of international circular economy experiences</li> <li>2. Discussion and debate on the scope and revision of product expectations 5</li> </ol>	25/01/21	27/01/21
WT2	Feedback from main stakeholders and definition of the scope and expectations of the product 6 activity 6.1	<ol style="list-style-type: none"> <li>1. Presentation of the results of the mapping of successful cases of application of industry 4.0 that benefit the circular economy</li> <li>2. Discussion and debate on the scope and revision of expectations for product 6, activity 6.1</li> </ol>	19/03/21	23/03/21
WT3	Feedback from main stakeholders and definition of the scope and expectations of the product 6 activity 6.2 and 6.3	<ol style="list-style-type: none"> <li>1. Presentation of the definition of pilot projects</li> <li>2. Discussion and debate on the scope and revision of expectations for product 6, activity 6.2 and 6.3. Main emphasis on determining the expectations of the final forum and the synergies to be achieved between the countries.</li> </ol>	15/04/21	19/04/21

## 2 Monitoring and Evaluation Plan

### 2.1 Basic Information

The second deliverable is based on the CTCN Monitoring and Evaluation Plan and the Technical Assistance Response Plan, for the subsequent preparation of the closure report at the end of the assistance, in addition to the selection of the relevant quantitative and qualitative indicators. Table 7 below shows the main information of the project.

**Table 7 Basic Information**

Title of response plan	Diagnosis of the current situation of the Circular Economy for the development of a Roadmap of each requesting country
Technical assistance reference number	2019000007
Country/ countries	Ecuador, El Salvador, Cuba, Paraguay and Dominican Republic
NDE focal point and organisation	<b>ECUADOR:</b> <ul style="list-style-type: none"> <li>• <u>NDE</u>: Undersecretariat for Climate Change, Ministry of the Environment</li> <li>• <u>Coordinator Originally</u>: Ricardo Proaño, Climate Change Policy Specialist. The NDE position was transferred to Paúl Melo.</li> </ul>
	<b>EL SALVADOR:</b> <ul style="list-style-type: none"> <li>• <u>NDE</u>: Ministry of Environment and Natural Resources</li> <li>• <u>Coordinator</u>: Luis Eduardo Menjívar Recinos, Coordinator of Geospatial Analysis and Development Unit</li> </ul>
	<b>REPÚBLICA DOMINICANA</b> <ul style="list-style-type: none"> <li>• <u>NDE</u>: Climate Change Directorate, Ministry of Environment and Natural Resources</li> <li>• <u>Coordinator</u>: Pedro García Brito, Director of the Climate Change Directorate, Ministry of Environment and Natural Resources</li> </ul>
	<b>CUBA</b> <ul style="list-style-type: none"> <li>• <u>NDE</u>: Science, Technology and Innovation Directorate, Ministry of Science, Technology and Environment</li> <li>• <u>Coordinator</u>: Armando Rodríguez Batista, Vice minister</li> </ul>
	<b>PARAGUAY</b> <ul style="list-style-type: none"> <li>• <u>NDE</u>: Ministry of the Environment</li> <li>• <u>Coordinator Originally</u>: Gustavo Evelio González Chávez, DPE Project Coordinator. The NDE position was transferred to Ing. Ulises Lovera</li> </ul>
Sector(s) addressed	Industry, energy and waste
Supported technologies	Unconventional renewable energy More efficient industrial technologies and redesign of process
Implementation period and total duration	12 months
Total budget for implementation	249,452.00
Designer of the response plan	CTCN-ONUDI
Implementer of response plan	SERVICIOS DE INGENIERÍA DEUMAN LIMITADA

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**For each of the products and activities that will be presented, in accordance with the Terms of Reference, a series of indicators have been carefully selected to measure our results. These are shown in**

Table 8.

Table 8 Indicators of the Monitoring and Evaluation Plan

(A) Outputs and Activities as described in the Response Plan	(B) Indicator	(C) Expected results	(D) Method and frequency for data collection	(F) Comments
<p><b>Output 1: Development of the work plan and related communication documents</b></p>	<p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents reinforced, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 deliverables</u></p> <p>1 work plan for all countries. They will be adapted to each country, if necessary</p> <p>1 monitoring and evaluation plan</p> <p>1 Impact description</p> <p>1 closure report (end of the technical assistance)</p> <p>1 product presentation (ppt)</p> <p>1 report on the minutes of the meeting, including the participant list.</p>	<p><b>Methodology:</b></p> <p>Data will be collected at the beginning of the technical assistance, once the deliverables 1.1, 1.2 and 1.3 are finalised for the product presentation, and at the end of the technical assistance to complete deliverable 1.4.</p>	<p>CTCN templates documents will be used.</p>
<p>Activity 1: Preparing the consultancy work plan, monitoring and evaluation plan and impact description</p>	<p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents reinforced, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 6 deliverables</u></p> <p>1 work plan</p> <p>1 monitoring and evaluation plan</p> <p>1 Impact description (version inicial)</p> <p>1 Impact description (version final)</p> <p>1 closure report (end of the technical assistance)</p> <p>1 product presentation (ppt)</p> <p>1 Minute of the meeting, including the participant list.</p>	<p>Data will be collected at the beginning of the technical assistance, once the deliverables 1.1, 1.2 and 1.3 are finalised for the product presentation, and at the end of the technical assistance to complete deliverable 1.4.</p>	<p>CTCN templates documents will be used.</p>

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<b>Output 2: Diagnosis of key actors and existing circular economy initiatives in the participating country</b>	<p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents reinforced, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 20 deliverables</u></p> <p>5 meeting reports 5 Evaluation report 5 product presentation (ppt) 5 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> An evaluation Matrix will be used inside the product 2 template</p> <p><b>Frequency:</b> At the end of the activity.</p>	<p>The evaluation report will contain an evaluation matrix that will follow a specific methodology to evaluate the level of decision and participation of each interested party in the development of Circular economy roadmap in each participating country</p>
	<p>a) Number of workshops for Designated National Authorities and stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>10 workshops carried out (two per country)</u></p> <p>5 workshop of presentation of the technical assistance 5 workshops of communication of the first results 10 information material created (one per workshop) 10 Attendance lists at all workshop.</p>	<p><b>Method:</b> Verification of participants in the attendance list (must present the NDE and the greatest number of interested parties) and the materials used.</p> <p><b>Frequency:</b> At the end of product.</p>	
	<p>a) Number of TA progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 10 progress meetings (two per country)</u></p> <p>5 progress meeting on the presentation of the preliminary list of stakeholders per country 5 progress meeting advances of the mapping scheme of identified actors 10 information materials created: Power point (1 per progress meeting) 10 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>
	<p>Number of stakeholders proposed to hold validation meetings</p>	<p>A maximum of 75 stakeholders to be validated</p>	<p><b>Methodology:</b> Verify if the number of validated stakeholders approved by CTCN and national entities matches with the proposed list.</p> <p><b>Frequency:</b> At the start of product 2.</p>	<p>As part of Activity 2.1 specifically for the elaboration of the Gender Equity Plan, it is possible to identify specific stakeholders working on the gender variable, which will be included during the development of the service</p>

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	Percentage of men and women participants: a) workshop b) product presentation c) Progress meetings	50% of men and 50% of women participants at all meetings	<b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.  <b>Frequency:</b> At the end of product 2.	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual).
Activity 2.1: Initial meeting to present technical assistance with the different stakeholders of the participating countries	a) Number of TA progress meetings with the Designated National Authorities  b) Number of information materials created: Power Point	<u>Total: 5 progress meetings (one per country)</u>  5 progress meeting on the presentation of the preliminary list of stakeholders per country 5 information materials created: Power point (1 per progress meeting) 5 Minute of the meeting, including the participant list.	<b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.  <b>Frequency:</b> At the end of product.	There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.
	<b>Workshops</b>  a) Number of workshops addressed to the Designated National Authorities and stakeholders (Industries)  b) Number of other information materials strengthened, revised or created	<u>Total: 5 workshops carried out (one per country)</u> 5 workshops of presentation of the technical assistance 5 information material created (one per workshop)	<b>Method:</b> Verification of participants in the attendance list (must present the NDE and the greatest number of interested parties) and the materials used. <b>Frequency:</b> At the end of product.	This workshop is intended for the presentation of technical assistance in the country, incorporating the STH suggested by the NDE in RP 1.
	Percentage of men and women participants: a) workshop b) Progress meetings	50% of men and 50% of women participants	<b>Method:</b> Recording of minutes and attendance lists <b>Frequency:</b> At the end of activity.	At the end of the meeting an attendance format will be filled with the minutes, with signatures (face-to-face) or with an image of the participants (virtual).
	<b>Product presentation</b>  a) Number of deliverables produced in this output	<u>Total: 5 deliverable</u>  5 meeting reports, one for each country	<b>Method:</b> <i>Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</i> <b>Frequency:</b>	The CTCN review will be taken into account to coordinate the presentation of the product to the customer.

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			At the end of product	
Activity 2.2: Exploration and Diagnosis of actors and initiatives	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 deliverables</u></p> <p>5 evaluation report 5 product presentation (ppt) 5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p>	<p>The evaluation report will contain an evaluation matrix that will follow a specific methodology to evaluate the level of decision and participation of each interested party in the development of Circular economy roadmap in each participating country</p>
	<p>Total, number of meetings with stakeholders</p> <p>a) Number of meetings with stakeholders Priority 1 b) Number of meetings with stakeholders Priority 2 Number of meetings with stakeholders Priority 3</p>	<p><u>75 meetings with stakeholders (15 per country)</u></p> <p>a) stakeholders of priority 1 b) stakeholders of priority 2 c) stakeholders of priority 3</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of activity.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual). Greater emphasis will be placed on highlighting the STH suggested by the NDE.</p>
	<p><b>Progress meetings</b></p> <p>a) Number of TA progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 5 progress meetings (one per country)</u></p> <p>5 progress meeting advances of the mapping scheme of identified actors 5 information materials created: Power point (1 per progress meeting) 5 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>

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	<p><b>Workshops</b></p> <p>(a) Number of workshops addressed to the Designated National Authorities and stakeholders (industries)</p> <p>(b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 workshops carried out (one per country)</u></p> <p>5 workshops of communication of the first results</p> <p>10 information material created (one per workshop)</p>	<p><b>Method:</b> Verification of participants in the attendance list (must present the NDE and the greatest number of interested parties) and the materials used.</p> <p><b>Frequency:</b> At the end of product.</p>	
	<p>Percentage of men and women participants:</p> <p>a) Progress meetings</p>	<p>50% of men and 50% of women participants at all meetings</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 2.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual).</p>
<p><b>Output 3: Identification of the perceived value of the circular economy and of benefits, weaknesses, opportunities and challenges in each participating country</b></p>	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents reinforced, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 30 deliverables</u></p> <p>5 Map reports of the main economic activities of each country</p> <p>5 Reports of identified strengths and opportunities</p> <p>5 Reports of identified weaknesses and barriers</p> <p>5 Reports with indicator matrix</p> <p>5 product presentation (ppt)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>
	<p><b>Progress meetings</b></p> <p>a) Number of TA progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 10 progress meetings (two per country)</u></p> <p>5 progress meeting on the diagnosis of perceived benefits</p> <p>5 progress meetings on the diagnosis of strengths and opportunities.</p> <p>10 information materials created: Power point (1 per progress meeting)</p> <p>10 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>

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	<p>Percentage of men and women participants:</p> <p>a) Progress meetings b) Presentation of the product</p>	<p>50% of men and 50% of women participants at all meetings</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 3.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual).</p>
Activity 3.1: Diagnosis of perceived benefits	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output b) Number of tools and technical documents strengthened, revised or developed</p>	<p><u>Total: 5 deliverables</u></p> <p>5 Map report of the main economic activities of each country</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer.</p>
	<p><b>Progress meetings</b></p> <p>a) Number of TA progress meetings with Designated National Authorities b) Number of information materials created: Power Point</p>	<p><u>Total: 10 progress meetings (two per country)</u></p> <p>5 progress meeting on the diagnosis of perceived benefits 5 information materials created: Power point (1 per progress meeting) 5 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>
	<p>Percentage of men and women participants:</p> <p>a) Progress meetings b) Presentation of the product</p>	<p>50% of men and 50% of women participants at all meetings</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 3.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual).</p>
Activity 3.2: Diagnosis of strengths and opportunities	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output b) Number of tools and technical documents strengthened, revised or developed</p>	<p><u>Total: 5 deliverables</u></p> <p>5 reports of identified strengths and opportunities</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>

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	<p><b>Progress meetings</b></p> <p>a) Number of TA Progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 5 progress meetings (two per country)</u></p> <p>5 progress meeting on the diagnosis of strengths and opportunities</p> <p>5 information materials created: Power point (1 per progress meeting)</p> <p>5 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>
	<p>Number of participants in the event above</p>	<p>50% of men and 50% of women participants</p>	<p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of the activity.</p>	<p>At the end of the meeting an attendance format will be filled with the minutes, with signatures (face-to-face) or with an image of the participants (virtual).</p>
<p>Activity 3.3: Diagnosis of strengths and opportunities</p>	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p>	<p><u>Total: 5 deliverables</u></p> <p>5 reports of identified weaknesses and barriers</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>
<p>Activity 3.4: Development of a matrix of indicators</p>	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 15 deliverables</u></p> <p>5 reports with indicator matrix</p> <p>5 product presentation (ppt)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>

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Output 4: Compilation of international experiences	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 3 deliverables</u></p> <p>1 general reports of country cases that have been successful in applying a general, sectoral or specific model of the circular economy</p> <p>1 reports of lessons learned from the main barriers, challenges and opportunities and what policies, incentives or conditions were developed for successful application of the circular model</p> <p>1 report with comparative experience matrix</p> <p>1 product presentation (ppt)</p> <p>1 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>
	<p><b>Work table</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 work tables carried out (one per country)</u></p> <p>5 work table of the results of the international experiences of circular economy, and a conversation and debate of the scopes and revision of expectations of the product</p> <p>5 information material created (one per work table)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> An inquiry guideline and PPT will be used.</p> <p><b>Frequency:</b> At the beginning and during the meeting.</p>	<p>An inquiry guideline is a document elaborated by the consulting team in order to provide specific objectives to be achieved with focal questions that help to collect information easily (It will be included in the annex)</p>
	<p><b>Progress meetings</b></p> <p>a) Number of TA Progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 1 Progress meetings (for all countries)</u></p> <p>1 international success story benchmarking progress meeting and diagnosis of international case conditions and opportunities</p> <p>1 information materials created: Power point (per progress meeting)</p> <p>1 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>

## Climate Technology Centre & Network (CTCN)

### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

	Percentage of men and women participants:  a) Product presentation b) Worktable c) Progress review	50% of men and 50% of women participants at all meetings	<b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.  <b>Frequency:</b> At the end of product 4.	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)
Activity 4.1: Benchmarking of international success stories	<b>Product presentation</b>  a) Number of deliverables produced in this output  b) Number of tools and technical documents strengthened, revised or developed	<u>Total: 1 deliverable</u>  1 general report of cases of countries that have been successful in applying a general, sectoral or specific model of the circular economy	<b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.  <b>Frequency:</b> At the end of product	The CTCN review will be taken into account to coordinate the presentation of the product to the customer.
Activity 4.2: Diagnosis of the conditions and opportunities of international cases	<b>Product presentation</b>  a) Number of deliverables produced in this output  b) Number of tools and technical documents strengthened, revised or developed	<u>Total: 1 deliverable</u>  1 report of lessons learned from the main barriers, challenges and opportunities and what policies, incentives or conditions were developed for a successful application of the circular model	<b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.  <b>Frequency:</b> At the end of product	The CTCN review will be taken into account to coordinate the presentation of the product to the customer.
	<b>Progress meetings</b>  a) Number of TA Progress meetings with Designated National Authorities  b) Number of information materials created: Power Point	<u>Total: 1 Progress meetings (for all countries)</u>  1 benchmarking progress meeting of international success stories and diagnosis of international case conditions and opportunities 1 information materials created: Power point (per progress meeting) 1 Minute of the meeting, including the participant list.	<b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.  <b>Frequency:</b> At the end of product.	There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.
	Percentage of men and women participants:  a) Progress review	50% of men and 50% of women participants at all meetings	<b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.  <b>Frequency:</b> At the end of product 4.	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)

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### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

Activity 4.3: Design of a comparative experience matrix	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 3 deliverables</u></p> <p>1 report with comparative matrix of experiences</p> <p>1 product presentation (ppt)</p> <p>1 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>
	<p><b>Work table</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 work tables carried out (one per country)</u></p> <p>5 work table of the results of the international experiences of circular economy, and a conversation and debate of the scopes and revision of expectations of the product 5</p> <p>5 information material created (one per work table)</p> <p>1 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> An inquiry guideline and PPT will be used.</p> <p><b>Frequency:</b> At the beginning and during the meeting.</p>	<p>An inquiry guideline is a document elaborated by the consulting team in order to provide specific objectives to be achieved with focal questions that help to collect information easily (It will be included in the annex)</p>
	<p>Percentage of men and women participants:</p> <p>a) Work table</p> <p>b) Product presentation</p>	<p>50% of men and 50% of women participants at all meetings</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)</p>

## Climate Technology Centre & Network (CTCN)

Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

<p><b>Output 5: Mapping of successful cases of application of industry 4.0 in favour of the circular economy at the international level and adoption of some practices at the local level taking into account technological developments in these countries.</b></p>	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 20 deliverables</u></p> <p>5 general diagnostic reports on the level of development of 4.0 industries for each participating country and analysis of the main technologies of the fourth industrial revolution</p> <p>5 reports that present the benefits of empowering the actors and initiatives identified in Output 2 with new circular disruptive business models with the technologies identified in Activity 5.1.</p> <p>5 product presentation (ppt)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet.</p>
	<p><b>Work table</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 work tables carried out (one per country)</u></p> <p>5 work table presentation of the results of the mapping of successful cases of application of industry 4.0 that benefit the circular economy, and discussion of the scopes and revision of product expectations 6, activity 6.1</p> <p>5 information material created (one per work table)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> An inquiry guideline and PPT will be used.</p> <p><b>Frequency:</b> At the beginning and during the meeting.</p>	<p>An inquiry guideline is a document elaborated by the consulting team in order to provide specific objectives to be achieved with focal questions that help to collect information easily (It will be included in the annex)</p>
	<p><b>Progress meetings</b></p> <p>a) Number of TA Progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 1 Progress meetings (for all countries)</u></p> <p>1 international success story benchmarking progress meeting and diagnosis of international case conditions and opportunities</p> <p>1 information materials created: Power point (per progress meeting)</p> <p>1 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>

## Climate Technology Centre & Network (CTCN)

### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

	<p>Percentage of men and women participants:</p> <p>a) Product presentation b) Worktable c) Progress review</p>	50% of men and 50% of women participants at all meetings	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)
Activity 5.1: Analysis of technologies, benefits and opportunities of the fourth industrial revolution	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output b) Number of tools and technical documents strengthened, revised or developed</p>	<p><u>Total: 5 deliverables</u></p> <p>5 General diagnostic reports on the level of development of 4.0 industries for each participating country and analysis of the main technologies of the fourth industrial revolution</p>	<p><b>Method:</b> <i>Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</i></p> <p><b>Frequency:</b> At the end of product</p>	The CTCN review will be taken into account to coordinate the presentation of the product to the customer.
	<p><b>Progress meetings</b></p> <p>a) Number of TA Progress meetings with Designated National Authorities b) Number of information materials created: Power Point</p>	<p><u>Total: 1 Progress meetings (for all countries)</u></p> <p>1 international success story benchmarking progress meeting and diagnosis of international case conditions and opportunities 1 information materials created: Power point (per progress meeting) 1 Minute of the meeting, including the participant list.</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.
	<p>Percentage of men and women participants:</p> <p>a) Product presentation b) Worktable c) Progress review</p>	50% of men and 50% of women participants at all meetings	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)

## Climate Technology Centre & Network (CTCN)

### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

Activity 5.2: Diagnosis of the potential benefit of applying industry 4.0 to circular economy models	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 15 deliverables</u></p> <p>5 Reports that present the benefits of empowering the actors and initiatives identified in Output 2 with new circular disruptive business models with the technologies identified in Activity 5.1.</p> <p>5 product presentation (ppt)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> <i>Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</i></p> <p><b>Frequency:</b> At the end of product</p>	The CTCN review will be taken into account to coordinate the presentation of the product to the customer.
	<p><b>Work table</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 work tables carried out (one per country)</u></p> <p>5 work table presentation of the results of the mapping of successful cases of application of industry 4.0 that benefit the circular economy. and discussion of the scopes and revision of product expectations 6, activity 6.1</p> <p>5 information material created (one per work table)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> An inquiry guideline and PPT will be used.</p> <p><b>Frequency:</b> At the beginning and during the meeting.</p>	An inquiry guideline is a document elaborated by the consulting team in order to provide specific objectives to be achieved with focal questions that help to collect information easily (It will be included in the annex)
	<p>Percentage of men and women participants:</p> <p>a) Product presentation</p> <p>b) Worktable</p> <p>c) Progress review</p>	50% of men and 50% of women participants at all meetings	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)
<b>Output 6: Identification of potential projects in the circular economy for each applicant country, prioritizing specific territories</b>	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p>	<p><u>Total: 16 deliverables</u></p> <p>5 Evaluation reports to identify and define potential projects agreed with the NDT in each participating</p>	<p><b>Method:</b> <i>Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</i></p> <p><b>Frequency:</b> At the end of product</p>	The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet

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### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

	<p>b) Number of tools and technical documents strengthened, revised or developed</p> <p>c) Number of other information materials strengthened, revised or created</p>	<p>country and a report of the meeting</p> <p>5 Drafts of a roadmap for the implementation of the circular economy for each country.</p> <p>1 Material for the final workshop to present the results to the NDT and the applicant organisations and 1 report of the meeting. 1 draft MoU for the creation of a regional platform for the circular economy and alternatives for south-south cooperation.</p> <p>1 list of participants.</p> <p>1 report on the successes of the event.</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> Recording of minutes and attendance lists.</p> <p><b>Frequency:</b> At the end of product.</p>	
	<p><b>Work table</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 work tables carried out (one per country)</u></p> <p>5 Working tables with the CTCN and the main stakeholders of each country</p> <p>5 information material created (one per work table)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> An inquiry guideline and PPT will be used.</p> <p><b>Frequency:</b> At the beginning and during the meeting.</p>	<p>An inquiry guideline is a document elaborated by the consulting team in order to provide specific objectives to be achieved with focal questions that help to collect information easily (It will be included in the annex)</p>
	<p><b>Progress meetings</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 10 Progress meetings (one per country)</u></p> <p>5 progress meeting with the NDE of each country (one meeting per country) showing the productive processes and/or economic activities identified to be considered in the pilot(s). These will be defined by the NDE of each participating country to define the pilot projects</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>

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Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

		5 Progress meetings with the NDE and CTCN of each country showing the selection of pilot projects 10 information materials created: Power point (per progress meeting) 10 Minute of the meeting, including the participant list.		
	<p><b>Workshops</b></p> <p>a) Number of workshops addressed to the Designated National Authorities and stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 1 workshop carried out (two per country)</u></p> <p>1 workshop of presentation of the final resultant They are the materials considered as deliverables 3 and 4 of the product 6</p>		
	<p>Percentage of men and women participants:</p> <p>a) Product presentation b) Worktable c) Progress review</p>	50% of men and 50% of women participants at all meetings	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)
Activity 6.1: Pilot definition	<p><b>Progress meetings</b></p> <p>a) Number of TA Progress meetings with Designated National Authorities b) Number of information materials created: Power Point</p>	<p><u>Total: 5 Progress meetings (one per country)</u></p> <p>5 progress meeting with the NDE of each country (one meeting per country) showing the productive processes and/or economic activities identified to be considered in the pilot(s). These will be defined by the NDE of each participating country to define the pilot projects 5 information materials created: Power point (per progress meeting)</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product.</p>	There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.

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Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

		5 Minute of the meeting, including the participant list.		
	<p><b>Work table</b></p> <p>a) Number of work tables addressed to the main stakeholders (industries)</p> <p>b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 work tables carried out (one per country)</u></p> <p>5 Working tables with the CTCN and the main stakeholders of each country for the preliminary review of pilot projects.</p> <p>5 information material created (one per work table)</p> <p>5 Minute of the meeting, including the participant list</p>	<p><b>Method:</b> An inquiry guideline and PPT will be used.</p> <p><b>Frequency:</b> At the beginning and during the meeting.</p>	<p>An inquiry guideline is a document elaborated by the consulting team in order to provide specific objectives to be achieved with focal questions that help to collect information easily (It will be included in the annex)</p>
	<p>Percentage of men and women participants:</p> <p>a) Product presentation</p> <p>b) Worktable</p> <p>c) Progress review</p>	<p>50% of men and 50% of women participants at all meetings</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)</p>
	<p>Number of pilot projects proposed</p>	<p>5 pilot projects proposed (one per country)</p>	<p><b>Method:</b> The pilot projects for the circular economy will be developed and proposed after the validation of the NDE of the processes and activities that will be taken into account.</p> <p><b>Frequency:</b> At the end of activity 6.1</p>	

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### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

	<p>Expected increase in climate change impacts as a result of technical assistance</p> <p>a) Anticipated increased economic resilience</p> <p>b) Anticipated increased Infrastructure</p>	<p>a.1) Cost savings from waste reduction, proper sorting or resale of waste</p> <p>a.2) Jobs generated by the circular economy</p> <p>b) Promotion of the implementation of new technologies as non-conventional renewable energy systems</p>	<p><b>Method:</b></p> <p>a.1) By identifying the supply of waste that can be used in economic activities and/or production processes. The identification of its location in the value chain will be carried out</p> <p>a.2) It will be calculated through the percentage of generation of new professional profiles</p> <p>b) Identification of productive processes or activities in which the implementation of non-conventional renewable energy can be implemented.</p>	
	<p>Anticipated metric tons of CO2 equivalent (CO2e) emissions reduced or avoided as a result of CTCN TA</p>	<p>Saving of CO<sub>2</sub> in Mwh of energy, equivalent to the reduced electricity consumption of production processes or the implementation of a non-conventional renewable energy system</p>	<p><b>Method:</b></p> <p>The MWh of energy that is no longer consumed from fossil fuels due to greater efficiency in the production process or the implementation of a non-conventional renewable energy system will be calculated. These MWh will be transformed into CO<sub>2</sub> equivalent according to the transformation factor of each country.</p>	
<p>Activity 6.2: Presentation of the results to the different applicant countries</p>	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output</p> <p>b) Number of tools and technical documents strengthened, revised or developed</p>	<p><u>Total: 5 deliverables</u></p> <p>5 Evaluation reports to identify and define potential projects agreed with the NDT in each participating country</p> <p>5 Drafts of a roadmap for the implementation of the circular economy for each country.</p>	<p><b>Method:</b></p> <p><i>Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</i></p> <p><b>Frequency:</b></p> <p>At the end of product</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer.</p>
	<p><b>Progress meetings</b></p> <p>a) Number of TA Progress meetings with Designated National Authorities</p> <p>b) Number of information materials created: Power Point</p>	<p><u>Total: 10 Progress meetings (one per country)</u></p> <p>5 Progress meetings with the NDE and CTCN of each country showing the selection of pilot projects</p> <p>5 information materials created: Power point (per progress meeting)</p>	<p><b>Method:</b></p> <p>Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b></p> <p>At the end of product.</p>	<p>There is a minute's format which must be completed at the end of each meeting with its respective attendance sheet.</p>

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### Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

		5 Minute of the meeting, including the participant list.		
	<p>Percentage of men and women participants:</p> <p>a) Product presentation b) Worktable c) Progress review</p>	50% of men and 50% of women participants at all meetings	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)
Activity 6.3: Organization of a final workshop to present the results of the technical assistance work in the applicant countries	<p><b>Product presentation</b></p> <p>a) Number of deliverables produced in this output b) Number of tools and technical documents strengthened, revised or developed c) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 5 deliverables</u></p> <p>1 draft MoU for the creation of a regional platform for circular economy and south-south cooperation alternatives 1 Material for the final workshop to present the results to the NDT and the applicant organisations 1 report of the meeting. 1 list of participants. 1 report on the success of the event.</p>	<p><b>Method:</b> Verify the compliance of the product presentation to the client and to the stakeholders verified so far.</p> <p><b>Frequency:</b> At the end of product</p> <p><b>Method:</b> Meeting report, success report and attendance lists</p> <p><b>Frequency:</b> At the end of product.</p>	<p>The CTCN review will be taken into account to coordinate the presentation of the product to the customer. There is a minute's format that must be completed at the end of each meeting with their respective attendance sheet</p> <p>Meeting report, success report and attendance lists are presented after whorkshop 3</p>
	<p><b>Workshops</b></p> <p>a) Number of workshops addressed to the Designated National Authorities and stakeholders (industries) b) Number of other information materials strengthened, revised or created</p>	<p><u>Total: 1 workshop carried out (two per country)</u></p> <p>1 workshop of presentation of the final resultant</p> <p>These are the materials considered as deliverables 3 and 4 of product 6</p>	<p><b>Method:</b> Verification of participants in the attendance list (must present the NDE and the greatest number of interested parties) and the materials used.</p> <p><b>Frequency:</b> At the end of product.</p>	

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Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador

	<p>Percentage of men and women participants:</p> <ul style="list-style-type: none"> <li>a) Product presentation</li> <li>b) Worktable</li> <li>c) Progress review</li> </ul>	<p>50% of men and 50% of women participants at all meetings</p>	<p><b>Method:</b> Recording of minutes and attendance lists at all technical assistance meetings.</p> <p><b>Frequency:</b> At the end of product 4.</p>	<p>At the end of each meeting an attendance format will be filled with each minute, with signatures (face-to-face) or with an image of the participants (virtual)</p>
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**Diagnosis of the current situation of the Circular Economy for the development of a Roadmap in Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador**

Deliverable 1.3

CTCN Impact Description

### 3 CTCN Impact Description

This section describes the main impact of the study in Table 9:

**Table 9 Impact Description**

Impact Statement	
Challenge	The problem to be addressed in each requesting country is the lack and asymmetry of information, as well as the lack of coordination of the state and level of development of the circular economy, as well as the lack of knowledge of the circular actors and initiatives that are being developed, as well as its potential benefits and current barriers.
CTCN assistance	<ul style="list-style-type: none"> <li>- Diagnosis of the current situation of the circular economy of each requesting country</li> <li>- Roadmap of General Circular Economy, sectorial and / or of a specific process relevant to climate change for access to financial mechanisms that can scale up the work of this TA.</li> <li>- Provide tools for innovation, technology transfer and combat climate change, complying with NDC and SDG of each requesting country.</li> </ul>
Anticipated impact	Expected increase in the economy and social welfare through the future generation of new jobs and enterprises. Providing tools for innovation and incorporation of technologies, maintaining competition and reducing the environmental impact of their productive activities.
Anticipated co-benefits from the TA	<p>The following co-benefits are visualized through the implementation of the circular economy:</p> <ul style="list-style-type: none"> <li>- Creating a new awareness of the importance of moving towards a circular and low-carbon economy.</li> <li>- Decrease in the use of resources needed per unit produced.</li> <li>- Reduction in the generation of waste, this allows for the extension of the useful life of the final waste disposal sites.</li> <li>- Reduction in the amount of energy consumed, the reuse of raw materials, reduces the energy requirement needed to obtain this element suitable for reuse in the manufacture of the same or another product (if not recycled, it is required to extract the ore, refine it and produce the raw material needed to manufacture the final product, with all the externalities associated with mining and industrial operations)</li> <li>- Development of new businesses and generation of new jobs, at present the recycling rate in Latin America and the Caribbean is low and the increase of the current rate will generate the need to hire more personnel for the different tasks required in the different links of the Value Chain of each manufactured product.</li> <li>- Promotion of innovation, this because it is necessary to change the productive model and update the productive infrastructure, its equipment and the technologies to process what is considered today as a waste (future raw material).</li> <li>- Promotion of the use of NCRE.</li> <li>- Tools for NDC and ODS compliance control.</li> <li>- Mitigation and adaptation against climate change.</li> </ul>

<p>Gender aspects of the TA</p>	<p>The design of the TA defines the active inclusion of women in each phase, with their active, incidental and outstanding participation. This can be clearly seen in activities 2.1 and 2.2. The roadmap should incorporate the gender perspective transversally, evaluating how this diagnosis associated with a baseline on circular economy issues (and the subsequent road map) could generate economic, social and environmental implications at a level disaggregated by men and women. Once the project is established, they should establish what the expected results or impact are from a gender perspective, complying with ODS 5 on gender equality through appropriate gender indicators in the monitoring and evaluation process. These conditions will cover all levels from project development to service development. Emphasizing, throughout the process, the dignity and respect of women.</p> <p><i>Benefits:</i> The benefits in terms of gender will be the incorporation of women in new business models based on circular economy that, being intensive in qualified labor and use of technology, offer new and better opportunities for their education, training and later participation in economic activities with circular models, as well as in the creation of new enterprises and academic research. These new opportunities have the potential to improve women's living conditions, offering economic stability, safety, health and equal opportunities to access jobs while at the same time narrowing the wage gap, in compliance with ODS 5 on gender equality.</p>
<p>Anticipated contribution to NDC</p>	<ul style="list-style-type: none"> <li>• Reduction of emissions of the GEI by incorporate more efficiency process, new technologies and figure out new uses for wastes.</li> <li>• Increase in renewable energy sources and replacing energy sources for new one more efficient, avoiding large tons of CO2.</li> <li>• Provide comprehensive information to protect and preserve the environment with adaptations actions in specific industries that could be under risk caused by climate change.</li> </ul>
<p>The narrative story</p>	<p>Latin America generates 160 million tons of solid waste per year of which less than 3% is reused; and although LAC only produces 11% of GHG emissions, it is one of the regions most vulnerable to climate change, potentially representing a cost of up to US\$100 billion per year by 2050. With the implementation of the circular economy, the aim is to replace the current linear economic model with a circular model that allows for the efficient use of resources, promoting the use of Non-Conventional Renewable Energies (NCRE). This TA will seek to generate a roadmap towards a circular system that will allow each applicant country to decouple its economic growth from the use of its natural resources, promoting the creation of new companies, as well as changing the productive processes of existing companies, raising their economic potential and generating new jobs, complying with ODS 9, 12 and 13, and their NDCs, becoming a leading country in the circular economy in LAC.</p>
<p>Contribution to SDGs</p>	<ul style="list-style-type: none"> <li>- <b>SDG 9:</b> promotes the development of circular models that incorporate technologies specific to Industry 4.0 and remove the barriers that make it difficult for Ecuador, Dominican Republic, Cuba, Paraguay and El Salvador to join the fourth industrial revolution</li> <li>- <b>SDG 12:</b> The circular economy is directly related to SDG 12, promoting sustainable consumption and developing technologies and business models that allow this change.</li> <li>- <b>SDG 13.2:</b> The circular economy, through new business models and reuse of resources, allows the direct reduction of greenhouse gas emissions.</li> </ul>