



This project is co-funded by the European Union and the Republic of Türkiye

# Technical Assistance for Assessment of Turkey's Potential on Transition to Circular Economy

EuropeAid/140562/IH/SER/TR

## Activity 2.1.1 - Workshops for Strategy Development

First Workshop  
Ankara, May 9<sup>th</sup> – 11<sup>th</sup>, 2023

Progress in the Project & Summary of the General Assessment Report  
Mihail Dimovski, Team Leader

# PROJECT CALENDAR AND REGULAR MEETINGS

The **15th month** of the project has been completed.

**15 Weekly** Beneficiary - Technical Assistance Team Coordination Meetings

**10 Monthly** Operation Coordination Unit (OCU) Meetings

**4 Quarterly** Steering Committee Meetings



Component 1: Exploration of Potential in Turkey in the context of EU Circular Economy Package			Start	End	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
					M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9	M 10	M 11	M 12	M 13	M 14	M 15
A. 1.1	A Benchmark Analysis between the EU Circular Economy Package and Corresponding Turkish Context	1	11		★										★				
<i>Milestone: Initial Assessment Report</i>																			
<i>Milestone: General Assessment Report</i>																			
A. 1.2	Increasing the Knowledge-base on the EU Circular Economy Package in the Field of Waste and Resource Management	2	16																
A. 1.2.1	Circular Economy Training	3	4																
A. 1.2.2	Organising Circular Economy Workshops	7	9																
A. 1.2.3	Organising Circular Economy Conference	14	16																
<i>Milestone: Booklet including information about circular economy concept, summaries of assessment reports and presentations of the conference</i>																			
A. 1.2.4	Performing Study Visits	8 13	10 15																
A. 1.3	Analysis of a Circular Economy Network	2	15																★
<i>Milestone: Report on Circular Economy Networking Opportunities</i>																			
A. 2.1	Elaboration of a National Strategy and Action Plan on Waste and Resource Management	10	16																
A. 2.1.1	Organising Workshops for Strategy Development	10 13	12 15																
A. 2.1.2	Sectoral Impact Assessment (SIA)	10	13																
<i>Milestone: Sectoral Impact Assessment Report</i>																			
A. 2.1.3	Preparation of the National Strategy and Action Plan on Resource and Waste Management in line with the EU Circular Economy Action Plan	13	16																
<i>Milestone: National strategy and action plan document on waste and resource management</i>																			
A. 2.2	Assessment of Adaptation to the EU Plastics Strategy and Revised Waste related Directives of the EU Circular Economy Package	15	21																
A. 2.2.1	Assessment of Adaptation to the EU Plastics Strategy	15	18																
<i>Milestone: Report on requirements of the EU Plastics Strategy</i>																			
<i>Milestone: Regulator Impact Assessment including "Single Use Plastics"</i>																			
A. 2.2.2	Roadmap on Single-use Plastics and Marine Litter	16	19																
<i>Milestone: Roadmap documents on single-use plastics and marine litter</i>																			
<i>Milestone: Report on results of survey (Micro-plastics and single-use plastics)</i>																			

# APPROVED DELIVERABLES

## Deliverables approved as of 09.05.2023;

1. Inception Report
2. Situational Analysis and Stakeholder Mapping
3. Communication Strategy and Action Plan
4. Initial Assessment Report
5. Training Assessment Report
6. Institutional Visits and Market Survey Report
7. Workshop Assessment Report
8. Study Visit Report



# ONGOING ACTIVITIES

Activity 1.1. General Assessment Report

Activity 1.3. Circular Economy Network Analysis

**Activity 2.1. National Circular Economy Strategy and Action Plan**

Activity 2.1.2. Sectoral Impact Assessment

Activity 2.2.1. Single Used Plastics and Marine Litter Roadmap

Activity 2.2.2. Single Used Plastics Directive Regulatory Impact Assessment

Activity 3.3.3. Short Videos on Zero Waste Concept in Circular Economy





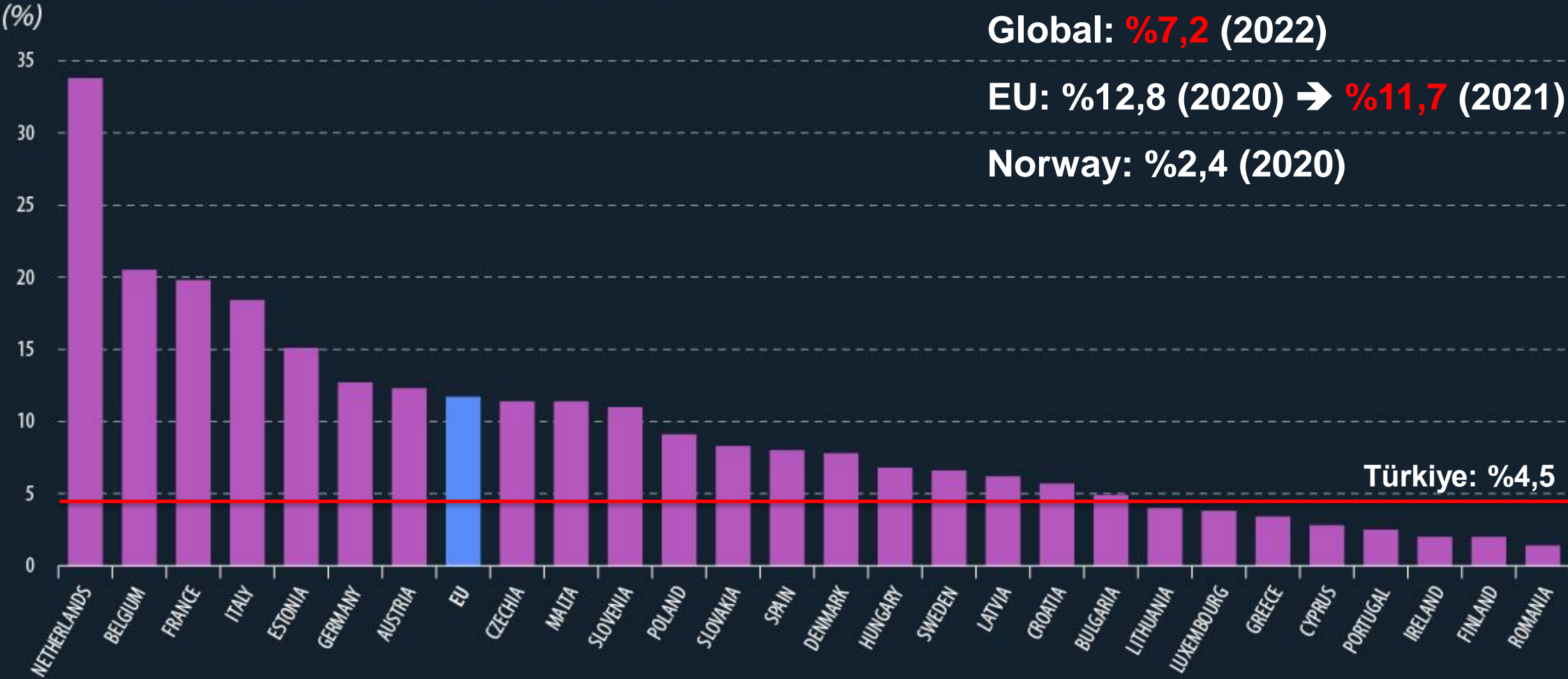
## ACTIVITY 1.1. GENERAL ASSESSMENT REPORT

- **The General Assessment Report** is the main output of Activity 1.1. It can be used as a starting point to form the basis of the **National Strategy and Action Plan under Component 2**. The first draft of the General Assessment Report was submitted on **9 December 2022**. The first revision was submitted on **27 February 2023**, and the second revision was resubmitted on **1 May 2023**.
- The report is based on **desktop research, market survey and workshops**.
- The report aims to **benchmark the EU's Circular Economy policy objectives and targets with relevant Turkish circumstances and national systems**.
- The report focus on four groups of **gaps and needs** in the process of transition to CE: **legislative, infrastructure, institutional and financial**.
- **One or more solutions (interventions) corresponding to every need identified** were proposed to create the basis for subsequent National Strategy and Action Plan. Responsible institutions were also defined for each solution.
- **Major environmental, economic and social benefits, challenges and opportunities** for Türkiye on transition to CE were also presented.



# CIRCULARITY IN THE WORLD AND IN EUROPE

## Circular material use rate in the EU in 2021



Circular material use rate: the share of used material resources which came from recycled waste materials.

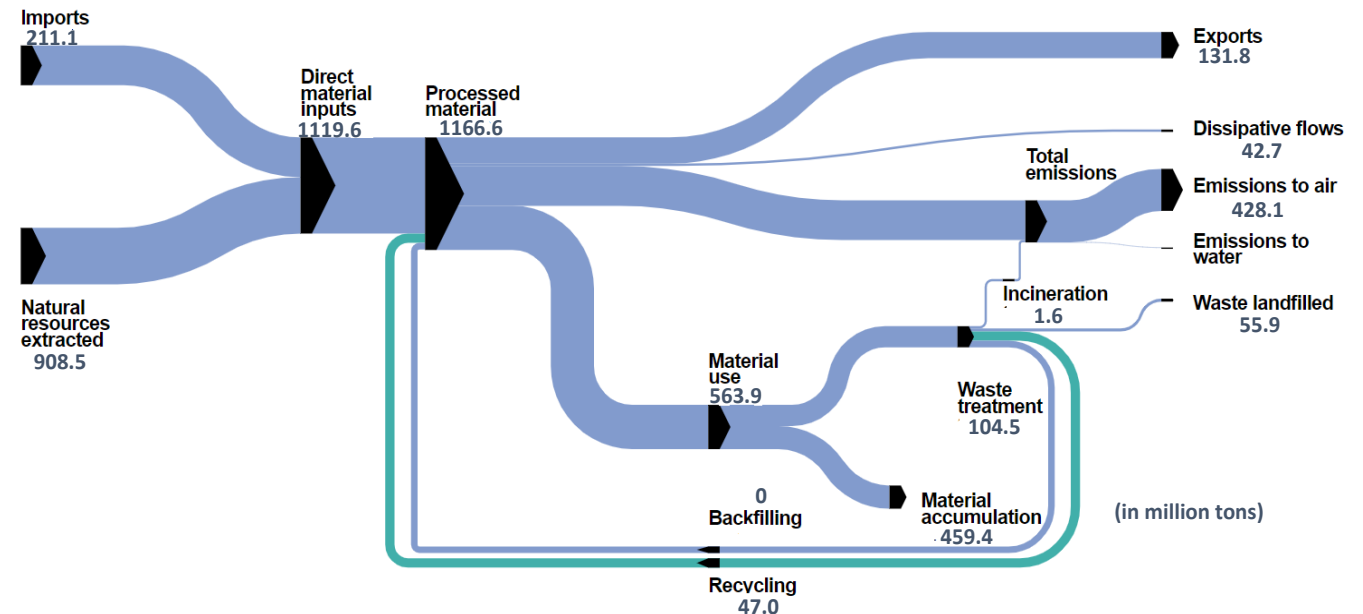
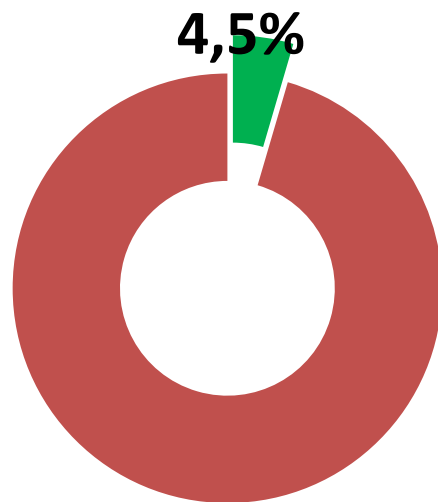
# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT

## Circularity Assessment Studies

In line with the **Eurostat** circular analysis methodology, the first results of the studies on **circularity calculations** for Türkiye were presented. The methodology is based on the **Material Flow Accounting (MFA)** method.

- Sankey Diagram
- Circularity Rate (circular material utilization/total material utilization)

### Draft National Circularity Ratio



# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## SUSTAINABLE PRODUCT POLICY FRAMEWORK - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"><li>- A harmonization plan for Eco-Design Directive (with the upcoming changes) and the associated product bases communiques</li><li>- Starting a dialogue for reviewing Consumer Protection Law in accordance with the related requirements</li><li>- Starting a dialogue for reviewing Public Procurement Law for integrating GPP principles</li><li>- A review of the possible EPR extension in terms of products and implementation</li></ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>- Development of skills and knowledge on eco-design and circular design approaches</li><li>- Establishment of sufficient and easily accessible repair and maintenance infrastructures</li><li>- Raising consumer awareness on circular products</li><li>- Establishment of infrastructures to develop digital systems for products</li></ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"><li>- Improvement of institutional structures for facilitating the implementation of the relevant requirements</li><li>- Improvement of relevant auditing mechanisms and institutional structures</li></ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"><li>- Allocation or identification of financial resources for completing the conversion process and relevant investments related to the requirements of the Sustainable Product Policy Framework</li><li>- Dedicated financial sources for supporting R&amp;D and commercialization projects in this area</li></ul>



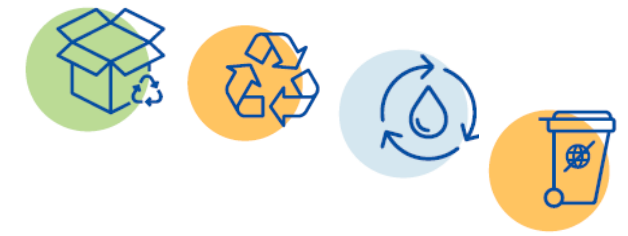
# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## KEY PRODUCT VALUE CHAINS - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"> <li>- A plan for monitoring and effective harmonization of EU eco-design regulations on electronics and ICT</li> <li>- A plan for improving and extending EPR regulations</li> <li>- Improvement in the packaging related regulations in terms of packaging reduction, increasing recycled content, etc.</li> <li>- Improvement in the packaging related regulations in terms of single-use plastics reduction, increasing recycled content and recyclability, as well as microplastic issue, etc.</li> <li>- Improvement in textile related regulations for adapting the EU Textile Strategy, incl. ecodesign, EPR, collection-recycling requirements</li> <li>- A roadmap for timely complying with the specific rules and criteria on construction products when they are in place</li> <li>- Improvement in relevant regulations for the betterment of waste reduction, waste collection and recycling practices</li> </ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"> <li>- Improvement in collection, sorting and recycling infrastructures for all of the value chains, ability to provide guarantees in resale markets, certification scheme for recyclers</li> <li>- Establishment of sufficient and easily accessible repair and maintenance infrastructures</li> <li>- Establishment of infrastructures for implementing EPR requirements</li> <li>- Digital systems for different purposes such as traceability, etc.</li> </ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"> <li>- Strengthened structures for accelerating the implementation of the requirements related to all key product value chains</li> <li>- Improvement in the relevant auditing mechanisms and institutional structures</li> </ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"> <li>- Allocation or identification of financial resources for completing the conversion process and relevant investments related to the requirements associated with all key product value chains</li> <li>- To dedicate financial sources for supporting R&amp;D and commercialization projects associated with the circularity of key product value chains</li> </ul>

# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## LESS WASTE MORE VALUE - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"><li>- A legislation for implementing end-of-waste criteria</li><li>- Improvement in legislation for supporting industrial symbiosis</li><li>- Review of the current waste shipment (import) procedures</li><li>- Improvement of waste management legislation to collect circularity related data</li></ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>- Improvement in collection, sorting and recycling infrastructures for all of the value chains</li><li>- Improvement in the infrastructures for implementing EPR requirements</li><li>- Improvement of infrastructure and technologies used for recovery practices, etc.</li><li>- Improvement of the infrastructure and capacity in the use of secondary raw materials</li><li>- Creation and dissemination of knowledge on household waste source separation practices</li></ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"><li>- Strengthened structures for accelerating the implementation of the requirements related to waste reduction and creating more value</li><li>- Improvement in the relevant auditing mechanisms and institutional structures</li></ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"><li>- Development of financial support opportunities for creating specialized industrial zones for the waste sector.</li><li>- Dedication of financial sources for supporting R&amp;D and commercialization projects for waste reduction and waste valorization opportunities</li></ul>

# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## MAKING CIRCULARITY WORK FOR PEOPLE, REGIONS AND CITIES - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"><li>- Legislative measures for integrating circular economy in education, training and entrepreneurship related practices and support schemes</li><li>- Inclusion of circular economy in regional development plans and strategies</li></ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>- Improvement of the infrastructures for supporting skills development</li><li>- Improvement of the supporting mechanisms and initiatives for encouraging circular economy transition</li></ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"><li>- Programs for creating human resources to work on circular economy and for improving qualifications, training, and experience</li></ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"><li>- Mobilization of financial resources for circular economy related capacity building, training and social business initiatives</li><li>- Mobilization of financial resources for strengthening local initiatives and circular city concepts</li></ul>

# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## CROSSCUTTING ACTIONS - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"><li>- Inclusion of circular economy in carbon reduction and climate change related regulations and procedures</li></ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>- Development of skills for analyzing how the impact of circularity on climate change mitigation and adaptation can be measured</li><li>- Establishment of adequate technical infrastructure to develop carbon removal practices through circular initiatives</li><li>- Establishment of infrastructure to develop carbon certification mechanisms based on circular initiatives</li></ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"><li>- Dedicated institutional structures for establishing concrete links between climate change and circular economy practices</li></ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"><li>- Development of a concrete framework for integrating carbon reduction impacts of circular economy projects to the financial appraisal processes</li><li>- Development of a mechanism for creating a synergy between carbon reduction and circular economy investments so that additional financing opportunities are created</li></ul>

# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## LEADING EFFORTS AT GLOBAL LEVEL - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"><li>- Review and integration of the EU taxonomy legislation for assessing and financing relevant investments</li></ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>- Raising awareness of most of the stakeholders on international agreements related to the global efforts for circular economy</li></ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"><li>- Improvement in the institutional structures for facilitating the circular economy related interactions and engagements at global level</li></ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"><li>- Implementation of the taxonomy legislation of the EU for assessing and financing relevant investments</li><li>- Diversion of international financial resources to circular economy initiatives in Türkiye</li></ul>



# ACTIVITY 1.1. GENERAL ASSESSMENT REPORT



## MONITORING THE PROGRESS - Recommended Solutions

<p><b>Regulatory</b></p> <ul style="list-style-type: none"><li>- A legal framework for circular economy monitoring and for collecting specific data for monitoring</li></ul>	<p><b>Infrastructure</b></p> <ul style="list-style-type: none"><li>- Improve the data collection and processing infrastructures for developing the related database for circular economy</li></ul>
<p><b>Institutional</b></p> <ul style="list-style-type: none"><li>- Improvement in human resources and dedicated departments at national and local governments for collecting data on circular economy metrics and monitoring the progress</li></ul>	<p><b>Financial</b></p> <ul style="list-style-type: none"><li>- Dedication of financial resources for establishing a circular economy related data collection and monitoring system</li></ul>



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# Thanks for your attention.



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