



POLICY LIBRARY: LATEST EUROPEAN POLICIES ON ZERO WASTE CE, POLICY ADVICE FROM PARTNERS AND STAKEHOLDERS

AUTHORS

1. ZUZANA PALKOVÁ, SUA
2. SIMON SRNKA, SUA
3. ERGUN DEMIR, BAUN
4. FATMAGUL TOLUN, BAUN
5. MARIA VENTURA, FUE-UJI
6. MARINA CODORNIU, SWIDEAS
7. JULIA MOREIRA, SWIDEAS
8. OZGUR AYCIL, KARESI

INDEX

1. INTRODUCTION	2
2. OBJECTIVES	3
3. TARGET	3
4. RELEVANT DOCUMENTATION	4
5. DATABASES ON THE SUBJECT OR WEBSITES	21
6. CONCLUSION	38
7. REFERENCES	39

INTRODUCTION

The ZERO WASTE project focuses on training adults in the concepts of sustainability and the circular economy and on offering tools that can considerably impact this training. Therefore, the deliverable Policy Library: Latest European Policies on Zero Waste CE, Policy Advice from Partners and Stakeholders is presented. The development of these results is part of the final aim of the **ZERO WASTE** project to reduce the volume of non-recyclable waste.

The project defines this policy library as the final component of the Zero-Waste online platform. It will be disseminated in particular during the final conference looking for an audience of relevant policymakers. The project will give this target several tools as this Intellectual Output after carrying out a study that analyses the current situation in Europe and Turkey in terms of the Circular Economy and **Zero Waste**. Different indicators and training adults in the skills and knowledge needed to start implementing the Circular Economy principles were assessed through the Zero Waste methodology.

The Policy Library: Latest European Policies on Zero Waste CE, Policy Advice from Partners and Stakeholders will be composed in the first term of a searchable collection of relevant policies in Circular Entrepreneurship, Circular Economy. Apart from waste-related policies for business, a significant issue concerning waste and waste processing is the legal frame in the EU and the specific objectives set by the Union.

On the other hand, it will be a guideline document to navigate the EU legal framework with a specific methodology easily. Therefore, it will make it possible to involve a larger community, especially policymakers or relevant stakeholders (i.e., pressure groups), by allowing them to enlarge the knowledge base of the online repository of policies.

The tool is designed to feature other entries, such as collecting EU Funding opportunities for businesses that follow circular economy principles, both from direct and structural funds.

All the partners integrating this project have participated in the development of this result, including the Democratic University of Izmir (Turkey) as coordinator and six other entities from different countries: the University of Balikesir (Turkey), SWIDEAS (Sweden), the Slovak University of Agriculture V (Slovakia), EMKICE (Republic of North Macedonia), Fundación Universitat Jaume I-Empresa (Spain) and the locality of KARESI (Turkey).

ZERO WASTE is a European project funded under the Erasmus+ programme in the modality of Strategic Partnerships for Adult Education, implemented by the international consortium previously mentioned for 24 months. During this time, the project works to reduce the volume of non-recyclable waste through training and creating an innovative curriculum to enhance entrepreneurship in these areas.

OBJECTIVES

The following objectives will be accomplished by the correct use and dissemination of the tool Policy Library: Latest European Policies on Zero Waste CE, Policy Advice from Partners and Stakeholders:

1. Assess the target group in the navigation through European legal policies and frameworks
2. Creating a search methodology on the topic
3. Enlarge the knowledge basis of the online repository on Zero Waste and CE policies
4. Involve a larger community regarding Zero Waste and CE, especially policymakers, pressure groups and stakeholders
5. Collect databases and websites specialised in the topic of Zero Waste and CE

TARGET

The project **Zero Waste** aims to develop a specific number of results created explicitly for the following target audience: adult trainers (primary), municipalities, SMEs, and entrepreneurs and professionals interested in starting a business in a CE context.

This target will benefit from the materials, curriculum and tools created through this project that aims to reduce the volume of non-recyclable waste through training and the creation of an innovative curriculum and a guide to increase the skills of adult students in circular design and sustainability and thus enhance entrepreneurship in these areas.

In addition, to be addressed this target, as the whole project does, the Policy Library: Latest European Policies on Zero Waste CE, Policy Advice from Partners and Stakeholders is specifically designed to reach some of these stakeholders. This target group is divided into Policymakers and pressure groups around the topic of Zero Waste and Circular Economy (CE).

RELEVANT DOCUMENTATION

Documentation considered as relevant documentation the following items:

- Regulation
- Book, journal article
- Report
- White papers
- Guidelines and Plans
- Official Communications

Title	Advancing to a Circular Economy: three essential ingredients for a comprehensive policy mix
Description of contents	Three policy areas that can contribute to closing material loops and increasing resource efficiency are thoroughly discussed and their application challenges are highlighted. The three policy areas are: (1) policies for reuse, repair and remanufacturing; (2) green public procurement and innovation procurement; and (3) policies for improving secondary materials markets. Finally, a potential policy mix, including policy instruments from the three mentioned policy areas—together with policy mixing principles—is presented to outline a possible pathway for transitioning to Circular Economy policy making.[1]
Keywords	Circular Economy, EU Policies and Directives, Environment, Policy making
Link to the document or source	https://link.springer.com/article/10.1007/s11625-017-0502-9
Target	Policy makers and business actors
Geographic area of application	Europe
Date of approval	07/11/2017
Last access	30/06/2022
Other comments	

Title	European environment policy for the circular economy: Implications for business and industry stakeholders
Description of contents	This research evaluates the latest European environmental policies including its “new circular economy plans for a cleaner and more competitive Europe.” Afterwards, it presents a systematic literature review that is focused on the circular economy in the EU context. The findings suggest that there are a number of opportunities as well as challenges for the successful planning, organization, implementation, and measurement of circular economy practices for sustainable supply chains in Europe.[2]
Keywords	Circular Economy, Research, EU Policies and Directives, Environment, sustainable production and consumption behaviours
Link to the document or source	https://onlinelibrary.wiley.com/doi/full/10.1002/sd.2113
Target	Policy makers and industry practitioners
Geographic area of application	Europe
Date of approval	10/08/2020
Last access	30/06/2022
Other comments	

Title	Towards a circular disruption: On the pivotal role of circular economy policy entrepreneurs
Description of contents	Circular economy (CE) policies can pressure the disruption of currently predominant linear socio-technical systems across sectors towards a circular paradigm. Knowledge on how these policies appear on the agenda is essential to accelerate the circular disruption. This article analyses the characteristics and strategies of CE policy entrepreneurs in Portugal as a circular frontrunner in the European Union (EU).[3]
Keywords	Circular Economy, EU Policies and Directives, CE implementation, Continuous development of CE policies
Link to the document or source	https://doi.org/10.1002/bse.3098

Target	Policy entrepreneurs, CE implementers
Geographic area of application	Europe
Date of approval	25/04/2022
Last access	30/06/2022
Other comments	

Title	International trade and circular economy - Policy alignment OECD Trade and Environment Working Papers 2021/02
Description of contents	This report explores how to make circular economy policies and trade policies mutually supportive by mapping out potential misalignments and identifying opportunities to align and strengthen both policy areas. The report highlights the various interlinkages between international trade and circular economy, and examines the interactions between trade and circular economy at the policy level, focussing on the multilateral trade regime and regional trade agreements, as well as specific policies to promote the circular economy, such as extended producer responsibility and product stewardship schemes, taxes and subsidies, green public procurement, environmental labelling schemes, and standards.[4]
Keywords	Circular Economy, Research, CE Policies, Environment, CE and trade
Link to the document or source	https://www.oecd-ilibrary.org/deliver/ae4a2176-en.pdf?itemId=%2Fcontent%2Fpaper%2Fae4a2176-en&mimeType=pdf
Target	Researchers, Producers, Policy makers
Geographic area of application	Global
Date of approval	19/02/2021
Last access	30/06/2022
Other comments	

--	--

Title	Going around in circles? Conceptual recycling, patching and policy layering in the EU circular economy package
Description of contents	The circular economy (CE) concept is informing the governance of resource use and waste management on a global scale, leading to widespread policy instrument innovation. However, the recent appearance of CE 'policy portfolios' raises questions about whether such policies are genuinely path-breaking or are merely adjustments to existing arrangements. Tracing the emergence of the European Union's Circular Economy Package shows that, while some measures are genuinely novel, many others are 'patched' onto pre-existing instruments and that the overall portfolio exhibits a high degree of institutional 'layering'. [5]
Keywords	Circular Economic governance, conceptual recycling, EU Policies and Directives, Environment, CE 'policy portfolios'
Link to the document or source	https://www.tandfonline.com/doi/full/10.1080/09644016.2019.1673996
Target	Researchers, Policy makers, municipalities
Geographic area of application	Europe
Date of approval	12/10/2019
Last access	30/06/2022
Other comments	

Title	A contribution tribution to future. Critical Raw Materials Recycling Materials Recycling. CEWASTE Project Final Report
Description of contents	<p>More than sixty standards and regulatory references were analysed in the project, but very few of them appeared to directly address products containing CRMs in WEEE, batteries and ELVs. Of all the standards, only six contain specific requirements relating to CRMs. The consortium designed a set of technical requirements enabling the sound collection and treatment of equipment containing key CRMs and suggested integrating them into the current collection and treatment procedures, so that collectors and treatment operators maintain their established routines.</p> <p>The project developed a set of management requirements for operators and facilities involved in the collection, pre-treatment and final treatment including related handling, sorting and storage of WEEE and waste batteries, as well as requirements associated with risk management, documentation, communication, staff management and sustainability.</p>

Keywords	accreditation, certification, recycling, recovery, CRM, Batteries,
Link to the document or source	https://cewaste.eu/wp-content/uploads/2021/04/CEWASTE-Final-Public-Raport.pdf
Target	Researchers, Policy makers
Geographic area of application	Europe
Date of approval	2021
Last access	04/07/2022
Other comments	The CEWASTE project ties into action area 3.2 Circular use of resources, sustainable products and innovation and has developed a voluntary certification scheme for the collection, transport and treatment facilities of key types of waste containing significant amounts of valuable materials and CRMs, such as WEEE and batteries

Title	Plastics - the Facts 2021. An analysis of European plastics production, demand and waste data
Description of contents	Plastics - the Facts is an analysis of the data related to the production and demand of plastic materials and provisional plastic waste management data. It provides the latest business information on production and demand, trade, and recovery as well as employment and turnover data in the plastics industry. In short, this report gives an insight into the industry's contribution to European economic growth.
Keywords	plastics, sustainable future, production, economic figures, demand, polymers
Link to the document or source	https://plasticseurope.org/wp-content/uploads/2021/12/Plastics-the-Facts-2021-web-final.pdf
Target	Experts, policymakers, companies, public audience
Geographic area of application	Europe
Date of approval	2021
Last access	04/07/2022
Other comments	The data presented in this report was collected by Plastics Europe (the Association of Plastics Manufacturers in Europe) and EPRO (the European Association of Plastics Recycling and Recovery Organisations).

Title	The Circular Economy for Plastics. A European Review
Description of contents	This report is a contribution towards a better understanding of the circular economy of plastics. It provides a European overview of plastics production, conversion into parts and products, waste collection and treatment, including recycling. It also addresses the production of recyclates and their use in different applications.
Keywords	Circular economy, plastics, polymers, recycling,
Link to the document or source	https://plasticseurope.org/wp-content/uploads/2021/10/20191206-Circular-Economy-Study.pdf
Target	polymakers, experts
Geographic area of application	EU
Date of approval	06/12/2019
Last access	04/07/2022
Other comments	

Title	MONITORING REPORT 2020. European Declaration on Paper Recycling 2016-2020
Description of contents	European Paper Recycling Value Chain Meets its Set Target and Reaches 73.9% Paper Recycling Rate in 2020 Progress in Qualitative Targets 4evergreen: The New Forum for the Fibre-Based Packaging Value Chain Data Quality: 2020 data
Keywords	paper, board, recycling, consumption, ecodesign,
Link to the document or source	https://www.cepi.org/wp-content/uploads/2021/07/WEB-PAGES_EPRC-Monitoring-Report-2020_20210716.pdf
Target	municipalities, politicians, policymakers, experts
Geographic area of application	Europe & worldwide

Date of approval	2020
Last access	04/07/2022
Other comments	

Title	Plastic Recycling Factsheet
Description of contents	Moving towards a circular economy for plastics Plastics and its uses Plastics Recycling Industry – Current status and challenges How to further promote plastics recycling in Europe
Keywords	Circular economy, plastics, uses, challenges, predictions, recycling
Link to the document or source	https://circulareconomy.europa.eu/platform/sites/default/files/euric_-_plastic_recycling_fact_sheet.pdf
Target	municipalities, politicians, policymakers, experts
Geographic area of application	Europe
Date of approval	Not available
Last access	04/07/2022
Other comments	

Title	'The EU Zero Waste Masterplan'
Description	<p>The Masterplan is designed for municipality officials, policy-makers, zero waste activists, community leaders, waste professionals and city planners seeking to drive an ambitious transition in their city on one - or several - of the following themes:</p> <ul style="list-style-type: none"> - Solving a waste crisis or transitioning the system from focusing on residual waste management to circular resource management -Creating opportunities for entrepreneurship, local businesses and jobs to flourish -Mainstreaming smart, sustainable and healthy lifestyles - Phasing out toxics and emissions from products, services and infrastructures - Building resilient neighborhoods and strong communities, helping citizens reconnect with each other
Author(s)	Joan Marc Simon
Last update	01/06/2022
Last access	03/07/2022
Link to the online resource	https://zerowastecities.eu/wp-content/uploads/2020/07/2020_07_07_zwe_zero_waste_cities_masterplan.pdf
Keywords	Zero Waste Master Plan, Zero Waste Cities, Zero Waste Businesses, Circular Economy, Waste Management, Resource Management
Target	Municipalities, Policymakers, Companies, NGOs
Geographic area of application	Europe

Other relevant information	Masterplan provides you with the necessary building blocks as you prepare a zero waste plan for your community. It was designed as your first step on the road towards zero waste. At the end, we outline the further tools we have created that dig deeper into the detail of how to implement a zero waste plan in your community.
-----------------------------------	--

Title	'Zero Waste Europe Annual Report 2021'
Description	<p>Zero Waste Europe (ZWE) is the European network of communities, organisations, local leaders, experts, and change agents working towards the elimination of waste in our society. They advocate for sustainable systems and the redesign of their relationship with resources, to accelerate a just transition towards zero waste for the benefit of people and the planet.</p> <p>ZWE redesigns their relationship with resources by empowering communities and changemakers across Europe. This Annual Report looks at our projects, our research, our successes, and all those who helped us create an impact in 2021!</p>
Author(s)	Editors: ZWE Communication Team
Last update	30/06/2022
Last access	03/07/2022
Link to the online resource	https://zerowasteurope.eu/library/annual-report-2021/
Keywords	Zero Waste Europe (ZWE), Circular Economy, Waste Management

Target	European Union, Public, Governmental institutions, Municipalities, Policymakers, Companies
Geographic area of application	Europe
Other relevant information	ZWE was created in 2014 as the European regional branch of the Global Alliance for Incinerator Alternatives (GAIA), and throughout the last years has established itself as a key environment, circular economy, just transition, and movement-building network in Europe. Building on the initial zero waste vision and code-created by the Italian city of Capannori, the ZWE network now includes 33 members (as of May 2022) from 28 European countries and works with topics across the whole chain.

Title	Waste Framework Directive (Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives)
Description of contents	This directive aims to establish a legal framework for treating waste in the European Union. The framework is designed to protect the environment and human health by emphasising the importance of proper waste management, recovery and recycling techniques to reduce pressure on resources and improve their use.
Keywords	Waste; prevention; pollution; directive; waste management; public health; waste recycling; environmental protection
Link to the document or source	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32008L0098
Target	Policymakers; educational institutions and organisations; local, regional and national authorities; NGOs; local media

Geographic area of application	The Member States of the European Union
Date of approval	19 November 2008
Last access	15 July 2022
Other comments	<p>Some of the key points of the Directive:</p> <ul style="list-style-type: none"> · The directive establishes a waste hierarchy: prevention; preparing for reuse; recycling; other recovery (e.g. energy recovery); and disposal. · It confirms the 'polluter-pays principle'. · It introduces the concept of 'extended producer responsibility'. · It makes a distinction between waste and by-products. · Waste management must be carried out without any risk to water, air, soil, plants or animals, without causing a nuisance through noise or smells, or harming the countryside or places of special interest. · Producers or holders of waste must treat it themselves or have it handled by an officially recognised operator. · Competent national authorities must establish waste-management plans and waste-prevention programmes. · Special conditions apply to hazardous waste, waste oils and bio-waste. · It introduces recycling and recovery targets to be achieved by 2020 for household waste (50%) and construction and demolition waste (70%). <p>The legislation does not cover certain types of waste such as radioactive elements, decommissioned explosives, faecal matter, waste waters and animal carcasses.</p>

Title	The Concept of Zero Waste in the Context of Supporting Environmental Protection by Consumers
Description of contents	<p>This article aimed to determine the knowledge of the Zero Waste challenge by respondents in selected Central and Eastern European countries. It also aspired to verify whether the Zero Waste rules are known and implemented in sustainable activities of residents in the studied countries.</p> <p>The analysis of this research's data showed a significant relationship between the basic elements in the daily functioning of households related to the protection of the environment through responsible consumption, reuse and recovery of selected products, packaging and materials and food and the concept of Zero Waste. Research has shown that respondents consciously identify these activities with Zero Waste.</p> <p>According to the authors, the results of the research are the basis for public discussion at the European and global level in the field of creating legal regulations and educational programs in the context of waste management.</p>
Keywords	zero waste; sustainable development; circular economy; waste management; Central-East Europe
Link to the document or source	https://www.mdpi.com/1996-1073/14/18/5964/htm
Target	Polymakers; educational institutions and organisations; local, regional and national authorities; NGOs; local media
Geographic area of application	Central and Eastern European countries (Poland, Slovakia and Ukraine)
Date of approval	17 September 2021
Last access	15 July 2022

Other comments	<p>The study understands Zero Waste as an ethical, economical, effective and forward-thinking concept whereby people can change their lifestyles and habits to one that mimics natural cycles, where all discarded materials are designed to become resources that can benefit others, according to the definition of the Zero Waste International Alliance.</p> <p>The research was carried out using the CAWI method. The research tool was a structured questionnaire.</p>
-----------------------	---

Title	Swedish food strategy
Description of contents	<p>This document is a short version of the Swedish Government bill 2016/17:104 A national food strategy for Sweden – more jobs and sustainable growth throughout the country. It explains and sets out the need for a Swedish food strategy, as well as the objectives for strategic areas. This includes:</p> <p>Rules and Regulations: Rules and regulations should be designed to support the overall objective of a competitive and sustainable food supply chain in which production increases. This should be achieved by means of appropriate taxes and charges, regulatory simplification, a reduced administrative burden and other measures to strengthen competitiveness and profitability.</p> <p>Consumers and markets: Consumers should have a high degree of confidence in food and be able to make informed and sustainable choices, for example with respect to local and organic production. The market for food should be characterised by efficient competition. Swedish food exports must be given the opportunity to grow so as to meet demand in relevant markets.</p> <p>Knowledge and Innovation: The objective for the strategic area ‘Knowledge and innovation’ is to support the knowledge and innovation system so as to contribute to increased productivity and innovation in the food supply chain and the sustainable production and consumption of food.</p> <p>According to the document, “The overall objective of the food strategy is a competitive food supply chain that increases overall food production while achieving the relevant national environmental objectives, aiming to generate growth and employment and contribute to sustainable development throughout the country. The increase in production – of both conventional and organic food – should correspond to consumer demands. An increase in production of food could contribute to a higher level of self-sufficiency. Vulnerability in the food supply chain will be reduced.”</p> <p>Among other opportunities, the food strategy seeks to contribute to action on the environment through the effective use of agricultural products, which is described as “a key factor in a sustainable society”.</p> <p>According to the document, “Waste must be reduced throughout the food supply chain – from producer to consumer. Clever solutions should be found for the use of production residues in ways that stimulate a closed-loop system so that they constitute a resource in a growing circular, bio-based economy. There is great potential for the agricultural sector to contribute to such an economy”</p>
Keywords	zero waste; sustainable eating; circular economy; Sweden; food waste

Link to the document or source	https://www.government.se/498282/contentassets/16ef73aaa6f74faab86ade5ef239b659/livsmedelsstrategin_kortversion_eng.pdf
Target	Policymakers; citizens; agricultural producers; businesses
Geographic area of application	Sweden
Date of approval	26 January 2017
Last access	20 July 2022
Other comments	<p>“The Food Strategy sets out a framework for continued long-term work towards a competitive food supply chain by the year 2030 and addresses the entire food supply chain”</p> <p>It thus requires the commitment of, and collaboration between all relevant stakeholders at local, regional and national level. The Government will be involved through the production of an action plan that includes actions that will help to achieve the objectives of the strategy and will be updated continually</p>

Title	Circular Economy Strategy for the Transition in Sweden
Description of contents	<p>This document is a short version of the Swedish Circular Economy Strategy</p> <p>It describes the steps the country is taking to promote the transition towards a circular economy, in line with the European Union Commission’s Action Plan, which focuses on establishing a sustainable product policy legislative initiative.</p> <p>At the core of this is “the widening of the Eco-design Directive to, for instance, achieve more sustainable product design and increased consumer information. Other actions included are a review of the Industrial Emissions Directive, implementation of the Bioeconomy Action Plan and a number of particularly important key value chains for which the Commission considers urgent, comprehensive and coordinated actions are required”.</p> <p>The document describes that “Sweden is driving for a global agreement on plastics to reduce and prevent marine emissions of plastic waste and microplastics. Another important issue that Sweden is working for is an ambitious global framework for chemicals and waste after 2020”.</p> <p>It also highlights that The transition to a fossil-free and circular economy involves a change and renewal of society that is necessary both to enable Sweden to achieve its environmental and climate objectives and the Sustainable Development Goals in the 2030 Agenda, and to retain the global competitiveness of Swedish business. Sweden is a strong innovation nation and receptive to new technology. These are important foundations for success in the transition to a circular economy.”</p> <p>The goal of the Swedish strategy is to set out a “vision and an overall goal that point out the direction for the work to a transition to a circular economy. The ambition is to be able to set out clear long-term rules to clarify the direction for the work on what needs to be done for the transition to circular production, consumption and business models and non-toxic and circular material cycles”. Within this effort, four focus areas of importance for achieving the vision have been selected:</p> <ul style="list-style-type: none"> · Circular economy through sustainable production and product design · Circular economy through sustainable ways of consuming and using materials, products and services · Circular economy through non-toxic and circular material cycles · Circular economy as a driving force for the business sector and other actors through measures to promote innovation and circular business models.
Keywords	zero waste; circular economy; Sweden
Link to the document or source	https://www.government.se/4ad42c/contentassets/d5ab250cf59a47b38feb8239eca1f6ab/circular-economy--strategy-for-the-transition-in-sweden

Target	Policymakers; citizens; businesses; legislations
Geographic area of application	Sweden
Date of approval	July 2020
Last access	20 July 2022
Other comments	

Title	Harmonisation of waste separate collection across Europe
Description of contents	<p>This document is a position paper elaborated by the European Environmental Bureau (EEB), which argues for setting up “harmonised minimum requirements that inform the decision of which separate collection model to implement”. They are however, not in favour of imposing one single model with a top-down approach, as they “believe that local authorities need flexibility to identify their preferred solution and that each solution should be adapted to the local context. An overarching system should not only enable safe preparation for re-use and recycling of materials and components, but it should also promote their circular reuse into the economy. This can be achieved by means of authorisation, certification, economic instruments and coordination of the value chain.”</p> <p>Some of the information presented in the document include, among other things:</p> <ul style="list-style-type: none"> · The acknowledgement of the European Commission’s (EC) efforts to develop a harmonised model for the separate collection and labelling of waste, as envisaged in the new Circular Economy Action Plan (CEAP), which mentions that an EU-wide harmonised model for separate collection of waste and labelling should help citizens, businesses and public authorities to better separate waste. The EU Waste Framework Directive obliges Member States (MS) to take measures aimed at promoting high-quality recycling through the separate collection of textiles, hazardous material and biowaste, in addition to existing separate collection of paper and cardboard, glass, metals, plastic and waste oils. The separate collection of waste is a precondition for high-quality recycling and preparation for reuse. It also prevents hazardous substances from contaminating other waste streams as well as communities and the environment. · The highlight that recycling rates of municipal waste differ greatly between member states · Policy recommendations to promote the the harmonisation of waste separate collection
Keywords	zero waste; circular economy; European Union; waste separate collection
Link to the document or source	https://zerowasteurope.eu/wp-content/uploads/2020/07/2020_07_14_zwe_eeb_position-paper_harmonisation-of-waste-separate-collection_en.pdf
Target	Policymakers; citizens; businesses; legislations
Geographic area of application	European Union

Date of approval	July 2020
Last access	20 July 2022
Other comments	

DATABASES ON THE SUBJECT OR WEBSITES

Database / website	United Nations Conference on Trade and Development – UNCTAD
Description	UNCTAD works on the circular economy by encouraging discussions and activities seeking to bring value out of waste streams, by encouraging discussions around collaborative economy sectors, by the examination of innovate business models and encouragement of consumer awareness and behavioural shifts. In partnership with other international organizations, UNCTAD's work on the circular economy at the national and multilateral level brings this important theme to the service of the international community.
Author(s)	United Nations Conference on Trade and Development - UNCTAD, Switzerland
Last update	14/06/2022
Last access	30/06/2022
Link to the online resource	https://unctad.org/topic/trade-and-environment/circular-economy
Keywords	Zero Waste, Europe, Policies, Circular Economy, Sustainability, Network
Target	Policy makers, Companies, NGOs and Organisations, researchers
Other relevant information	

Database / website	European Commission website
Description	This Commission department is responsible for EU policy on the environment. It proposes and implements policies that ensure a high level of environmental protection and preserve the quality of life of EU citizens. It contains various Specific policies, Tools and instruments, and latest news regarding Circular economy
Author(s)	European Commission
Last update	30/06/2022
Last access	30/06/2022
Link to the online resource	https://environment.ec.europa.eu/topics/circular-economy_en
Keywords	Zero Waste, Europe, Policies, Circular Economy, Sustainability, Network
Target	Polymakers, Companies, NGOs and Organisations, researchers
Other relevant information	

Database / website	United Nations Economic Commission for Europe (UNECE) website
Description	UNECE provides a variety of tools that can facilitate the widespread adoption of CE and zero waste approach. This shift offers a unique catalyst for cross-cutting SDGs progress, accelerating the move to greener and more resilient economies needed to recover better from the COVID-19 crisis.
Author(s)	United Nations Economic Commission for Europe (UNECE)
Last update	02/06/2022
Last access	30/06/2022
Link to the online resource	https://unece.org/circular-economy-0
Keywords	Zero Waste, Europe, Policies, Circular Economy, Sustainability, Network

Target	Polymakers, Companies, NGOs and Organisations, researchers
Other relevant information	

Database / website	Circular economy alliance website
Description	Research-based Circular Economy Body of Knowledge: In collaboration with leading research institutions on circular economy we continue to compile the world's most complete resource collection in the field. By adopting this newfound knowledge, workforce will harness the power of Circular Economy principles paving the way for sustainable future.
Author(s)	Circular Economy Alliance and the Circular Economy Research Center (CERC)
Last update	22/06/2022
Last access	30/06/2022
Link to the online resource	https://circulareconomyalliance.com/resource-center/
Keywords	Zero Waste, Europe, Policies, Circular Economy, Sustainability, Network
Target	Polymakers, Companies, NGOs and Organisations, researchers
Other relevant information	

Database / website	United Nations Development Programme website
Description	<p>Many governments are leading the way by including circular approaches within their NDC across sectors such as waste, agriculture, urban planning, tourism, and construction.</p> <p>Through the Climate Promise, UNDP is working with countries to identify and capitalize on these opportunities. This includes carrying out circular economy assessments to identify priority areas for circular action and building communities of practice for private sector engagement.</p>
Author(s)	United Nations Development Programme - UNDP
Last update	26/05/2022
Last access	30/06/2022
Link to the online resource	https://climatepromise.undp.org/what-we-do/areas-of-work/circular-economy
Keywords	Zero Waste, Policies, Circular Economy, Sustainability, Network, climate promise
Target	Polymakers, Companies, NGOs and Organisations, researchers
Other relevant information	

Database / website	Global Plastics Outlook
Description	<p>The OECD Global Plastics Outlook database intends to inform and support ongoing policy efforts to mitigate adverse environmental impacts arising along the value chain of plastics. The database includes data from 1990 to 2060 covering the full lifecycle of plastics, from the use of plastic materials by polymer and application to the generation of plastic waste and finally the leakage of plastic waste into the environment. . The three scenarios include (i) a baseline scenario (business-as-usual scenario with no additional policy); (ii) a Regional Action scenario which comprises a mix of fiscal and regulatory policies targeting all phases of the plastics lifecycle, and is more ambitious for OECD countries than for non-OECD countries; (iii) a Global Ambition scenario which explores a very stringent global policy package that aims to reduce plastic leakage to near zero by 2060.</p>
Author(s)	2022
Last update	Organisation for Economic Cooperation and Development (OECD)

Last access	04/07/2022
Link to the online resource	https://www.oecd-ilibrary.org/environment/data/global-plastic-outlook_c0821f81-en
Keywords	plastics, polymers, endoflife, aquatic, environment,
Target	policymakers, experts, companies
Other relevant information	Data provided in different categories. Different years covered, including past and future projections

Database / website	
Description	The waste recycling rate — the proportion of waste generated that is recycled — is growing in the EU-27, indicating progress towards using more waste as a resource and achieving a circular economy. The rate of progress is slowing down, however, with little improvement over the past 5 years. Achieving a more circular economy requires a faster rate of progress, as the amount of waste recycled is still less than half of total waste generated. Specific waste streams show varying recycling rates, ranging from 66% for packaging waste to 39% for electrical and electronic waste.
Author(s)	European Environmental Agency
Last update	18/11/2021
Last access	04/07/2022
Link to the online resource	https://www.eea.europa.eu/ims/waste-recycling-in-europe
Keywords	waste, recycling, packaging, municipal, electronic, circular economy
Target	Policymakers, general audience
Other relevant information	

Database / website	PLASTICS PACKAGING WASTE STATISTICS 2016
Description	Increasing plastic packaging recycling towards ambitions of the Plastic Strategy Plastic packaging waste from households vs trade and industry More energy recovery and less landfilling Plastic waste in general Canada Statistics for PET bottles in South Africa, 2016 Plastic waste from agriculture
Author(s)	European Association of Plastics Recycling & Recovery organizations (EPRO)
Last update	2016
Last access	04/07/2022
Link to the online resource	https://www.e-pro-plasticsrecycling.org/page/7/working-groups-e-pro-statistics
Keywords	plastics, packaging, waste, industry, household, landfilling
Target	Policymakers, general audience, industry
Other relevant information	

Database / website	Plastic waste and recycling in the EU: facts and figures
Description	The EU is already taking measures to reduce the amount of plastic waste, but what happens to the waste that is generated despite all efforts? And how can plastic recycling rates be increased?
Author(s)	Centro de Documentación Europea de Almería
Last update	19-07-2021
Last access	04/07/2022
Link to the online resource	https://www.cde.ual.es/en/plastic-waste-and-recycling-in-the-eu-facts-and-figures/
Keywords	plastic waste, treatment, economy, EU, China

Target	Policymakers, general audience, industry
Other relevant information	

Database / website	'Targets for a Circular Economy' on sciencedirect.com website
Description	<p>The transition to a circular economy requires actions and policies. In the praxis of governance, a common way to steer the transition to a different state proceeds through the setting of targets. Thus far, no study has investigated circular economy targets in a systematic way. To bridge this gap, this study examines which targets can facilitate the transition towards a circular economy. The analysis focuses both on existing and new targets; the latter complement existing targets which are limited to a few discrete cases addressing only partially the goal of a more circular economy. A framework based on 10 common circular economy strategies (i.e. recover, recycling, repurpose, remanufacture, refurbish, repair, re-use, reduce, rethink, refuse) is applied to scrutinise the selected targets. The study clarifies that existing targets for recovery and recycling do not necessarily promote a circular economy, though they are the most commonly applied targets so far. Because of lack of efficacy of recovery and recycling, targets should instead favour other more powerful circular economy strategies. In relation to these, the study looks into new and existing targets showing how they can reduce waste, increase efficiency, close production loops, and maximise retention of the economic value of materials and products. In particular, the study proposes an expanded set of brand new targets for the transition to a circular economy together with a fresh view on targets aimed at scholars and decision-makers alike.</p>
Author(s)	Piero Morseletto
Last update	01/02/2020
Last access	03/07/2022

Link to the online resource	https://www.sciencedirect.com/science/article/pii/S0921344919304598
Keywords	Circular Economy Targets, Circular Economy Governance, Resource Efficiency, Zero Waste
Target	Decision Makers, Policymakers, Companies, HEIs, NGOs and Organisations, Researchers
Geographic area of application	World
Other relevant information	

Database / website	'ZERO WASTE' on zerowaste.gov.tr website
Description	<p>The Zero Waste project was established in Turkey in 2017. The project added \$2.3 billion to the Turkish economy due to a large amount of material and food saved from the reduction of waste. The goals of the Zero Waste project in Turkey are to reduce waste by recycling byproducts of agriculture activities and repurposing hazardous waste. It also works to encourage recycling among citizens by implementing separate recycling bins in cities.</p> <p>In addition, the government assists farmers under the project to implement zero waste practices. As a result, this maximizes their profits and boosts the economy. Another goal of the project is to bring the recycling rate to 35% in the next two years. This will result in employment opportunities for 100,000 people in recycling and an annual income of \$2.7 billion. Under the supervision of the Ministry of Environment and Urban Planning, the project aims to expand across the entire country by 2023.</p>
Author(s)	

Last update	03/07/2022
Last access	03/07/2022
Link to the online resource	http://zerowaste.gov.tr/
Keywords	Zero Waste, Zero Waste Blue, Sustainability, The '3R's, Recycling, Municipalities
Target	Governmental Institutions, Municipalities, Hospitals, Malls, Policy Makers
Geographic area of application	Turkiye
Other relevant information	

Database / website	'TURKEY CIRCULAR ECONOMY PLATFORM' on donguseleekonomiplatformu.com website
Description	<p>Since 2016, BCSD Turkey and EBRD have joined forces to create awareness and accelerate the transition to circular economy in Turkey by providing tools and technical support that enable businesses to move away from the traditional ineffective way/concept to a more powerful way of doing business. The journey started with Turkey Materials Marketplace that was instrumental in creating an ecosystem around circular economy. Through the course of the past 4 years the platform felt the need to create a space where anything and everything on circular economy is explained in detail. With the establishment of Turkey Circular Economy Platform we aim to provide practical solutions, incentives, news and opportunities in the field of circular economy.</p> <p>The platform at hand includes a knowledge hub, an e-commerce platform (Turkey Materials Marketplace), measurement tools, and offers training, financial opportunities, and consultancy services for companies that are truly looking to accelerate their transition to circular. This joint effort will support businesses to identify opportunities and provide solutions to turn them into reality.</p>
Author(s)	SKD Turkey , EBRD , TURSEFF , KVKK & GDPR
Last update	03/07/2022
Last access	03/07/2022
Link to the online resource	https://donguseleekonomiplatformu.com/en
Keywords	Circular Economy, Zero Waste, Circular Transition, Financial Oppurtunities, CE Business Models
Target	Policy Makers, Companies, NGOs and Organisations, Finance Sector

Geographic area of application	Turkiye, Europe
Other relevant information	<p>Business Council for Sustainable Development Turkey (BCSD Turkey) is the global network partner of World Business Council for Sustainable Development (WBCSD). BCSD Turkey was established in 2004 to contribute to better understanding, adoption and implementation of the basic principles of sustainable development in Turkey.</p> <p>The European Bank for Reconstruction and Development (EBRD) was established in 1991 as an international financial institution to support the countries of central and Eastern Europe in transitioning to market economy after the collapse of communism in the region.</p>

Database / website	Ellen MacArthur Foundation Database
Description	<p>This website offers plenty of policy resources from cities, institutions and governments, on the topic of circular economy.</p> <p>The Ellen MacArthur Foundation encourages people to use their resources to find out how the right policies can accelerate the move to a circular economy and get guidance on how to put circular policies into practice.</p>
Author(s)	Ellen MacArthur Foundation
Last update	-
Last access	15 July 2022
Link to the online resource	https://ellenmacarthurfoundation.org/resources/government-and-policy/overview
Keywords	Circular economy; climate; biodiversity; built environment; fashion; food; plastic; cities; circular design; finance

Target	Businesses; academia; policymakers; institutions; organisations; anyone interested in Circular Economy
Other relevant information	<p>In this database, it is possible to find: circular economy examples, policy examples from all over the world, tools and methods for government and policy, as well as a diverse offer of reads, news, podcasts, videos and resources from other sites.</p> <p>Besides, the Ellen MacArthur Foundation also shows information related to tools and guidance for businesses as well as courses and teaching resources related to circular economy.</p>

Database / website	Energi- och klimatrådgivarna i Skåne
Description	<p>In Sweden, each region offers energy and climate advisers which offer free, independent, and impartial advice to businesses, the general public, and to organizations and consumers, who are served with information in the areas of energy, environment, and transportation. In the south of Sweden, the region called Skåne, the network for all of its 21 municipal energy and climate advisers covers all of Skåne's 33 municipalities. The energy and climate advisers in Skåne have their own website, ekrs.se.</p> <p>The energy and climate advisers exchange experiences, participate in training and study visits and plan joint events. The advice given by the advisors is always free of charge and financed with the support of the Swedish Energy Agency.</p>
Author(s)	Energikontoret Skåne
Last update	9 February 2022
Last access	20 July 2022
Link to the online resource	<p>https://kfsk.se/energikontoretskane/natverk/energiradgivarna-skane/</p> <p>https://www.ekrs.se/</p>

Keywords	Energy; climate change; sustainable energy; support for
Target	businesses, the general public, and to organizations and consumers
Other relevant information	

Database / website	EcoDesign
Description	<p>The website describes the Ecodesign Directive (Directive 2009/125/EC), which “sets a framework for performance criteria which manufacturers must meet in order to legally bring their product to the market. It does not yet, however, prescribe specific measures or standards and sets no overall energy saving targets. A revised Directive extends the scope of the existing Directive by covering in principle all energy-related products”. The Directive is complemented by the Energy Labelling Directive.</p> <p>The Directive is based on the idea that a product's lifetime energy use is strongly influenced at the design phase, which sets out the amount of energy that will be necessary for the product to be reused or recycled. By 'Ecodesign' it is meant “that there will be a greater focus on lifetime energy use and other environmental aspects during the conception and design phases, before it is manufactured and brought to market.”</p> <p>Combined with the Energy Labelling Directive, it is expected that this Directive will represent the most effective policy tool in the area of energy efficiency.</p> <p>The website also allows visitor to view the energy-related products and their status in the ecodesign and energy labelling process.</p>
Author(s)	European Council for an Energy Efficient Economy
Last update	n.d.
Last access	20 July 2022

Link to the online resource	https://www.eceee.org/ecodesign/ https://www.eceee.org/ecodesign/process/ Directive: https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0125
Keywords	zero waste; circular economy; European Union; ecodesign
Target	Policymakers; citizens; businesses; legislations
Other relevant information	

Database / website	EU Ecolabel
Description	<p>The website describes the EU Ecolabel, which is “the official European Union voluntary label for environmental excellence. Established in 1992 and recognised across Europe and worldwide, the EU Ecolabel certifies products with a guaranteed, independently-verified low environmental impact”.</p> <p>On the website, users can check what the EU Ecolabel is, and the amount of (goods and services) awarded with the EU Ecolabel; licenses awarded to companies across Europe; and the percentage of increase in licences awarded since September 2021</p> <p>Among other things, users can also check articles and success stories, EU Ecolabel e-catalogue, etc.</p>
Author(s)	European Commission
Last update	n.d.
Last access	20 July 2022

Link to the online resource	https://environment.ec.europa.eu/topics/circular-economy/eu-ecolabel-home_en https://environment.ec.europa.eu/topics/circular-economy/eu-ecolabel-home_en
Keywords	zero waste; circular economy; European Union; ecodesign
Target	Polymakers; citizens; businesses; legislations
Other relevant information	

Database / website	Eurostat Environmental Section
Description	Eurostat is the statistical office of the European Union. Its mission is to provide high quality statistics and data on Europe. In the link below, the reader may find all the statistical data related to the environment collected by Eurostat. The topics of the main tables offered are: Air emissions; Biodiversity; Energy accounts; Environmental protection; Environmental sector; Hazardous substances; Material flows and resource productivity; Taxes; Waste; Water; Environmental indicator catalogue; Publications; Methodology; Legislation; Links
Author(s)	Eurostat, European Statistical System (ESS), Swiss and EEA statistical authorities
Last update	n.d.
Last access	20 July 2022
Link to the online resource	https://ec.europa.eu/eurostat/web/environment/data/database

Keywords	Eurostat; statistics; environment
Target	Policy makers; citizens; businesses; researchers; local to international institutions
Other relevant information	Eurostat produces European statistics in partnership with National Statistical Institutes and other national authorities in the EU Member States. This partnership is known as the European Statistical System (ESS). It also includes the statistical authorities of the European Economic Area (EEA) countries and Switzerland. Eurostat coordinates statistical activities at Union level and more particularly inside the Commission.

Database / website	Zero Waste Europe
Description	Turning the vision of Circular Economy into reality with THE ZERO WASTE MASTER PLAN “Start Up Toolkit for policy makers. The Zero Waste Master Plan: A set of road maps, tools and strategies that have shown to be the foundation of all European success stories to date.
Author(s)	Joan Marc Simon, Zero Waste Europe
Last update	n.d.
Last access	20 July 2022
Link to the online resource	https://zerowastecities.eu/pdf/zero_waste_cities_masterplan.pdf https://zerowasteurope.eu/
Keywords	zero waste; circular economy; European Union; tool kit; start up
Target	Policy makers; citizens; businesses; researchers; local to international institutions
Other relevant information	Policy makers - Stakeholders and citizens need to be empowered with accessible and impactful information to become zero waste and circular economy change agents in their communities. Zero

	<p>Waste Europe keeps on creating resources to help our common journey towards a zero waste society and future. (https://zerowasteurope.eu/resources/library/)</p>
--	---

CONCLUSIONS

This document is the policy library of the ZeroWaste project, including a list of relevant documentation for the project. It has been divided into two main parts:

1. Regulations, books, journal articles, reports, white papers, guidelines and Plans and Official Communications for specific information.
2. Databases and relevant websites.

In both sections, the main bibliographic information of each element has been gathered, including and depending on the section: the title of the element, a brief description of contents, authors, keywords, e-link, audience targeted, geographic area of application, last access to the document and the date of approval.

In the first part of this document, the main topics are European environmental policy for the circular economy, data about plastics and paper recycling in the context of the circular economy, information about the situation of Zero Waste in Europe, ZeroWaste and Food strategy in the Swedish context, etc.

Most of the items listed correspond to scientific reviews, articles published in book chapters and journals, and reports published by environmental associations or NGOs. Most of the information is provided in the European context, but items referring to a global scale are included, and in a local context, referring to Sweden. Also, the reader can find Regulations and information provided by public bodies.

In the second part of this document, focusing on relevant databases and websites, the reader can find the following websites: United Nations Conference on Trade and Development, European Commission, United Nations Economic Commission for Europe, Circular economy alliance, United Nations Development Programme, Turkish ZeroWaste and Circular Economy platform, Ellen MacArthur Foundation, energy and climate advisers of Skane (Sweden), EcoDesign, and Ecolabel. Although all websites provided contain a wide variety of data useful for the project, other items enlisted are resources focused on providing data, such as waste and plastics recycling in Europe and worldwide, and Eurostat Environmental Section.

Readers can use this document to extend knowledge in Zero Waste, and Circular Economy acquired in the project. All items listed in this document come from trustful private and public organisations that count with international recognition and years of experience.

REFERENCES

- 1) “Advancing to a Circular Economy: three essential ingredients for a comprehensive policy mix” by Leonidas Milios
- 2) “European environment policy for the circular economy: Implications for business and industry stakeholders” by Mark Anthony Camilleri
- 3) “Towards a circular disruption: On the pivotal role of circular economy policy entrepreneurs” by Hinrika Droege, Julian Kirchherr, Andrea Raggi, Tomás B. Ramos
- 4) “OECD Trade and Environment Working Papers 2021/02 International trade and circular economy - Policy alignment” by Shunta Yamaguchi
- 5) “Going around in circles? Conceptual recycling, patching and policy layering in the EU circular economy package” by Oscar Fitch-Roy, David Benson & David Monciardini
- 6) Centro de Documentación Europea de Almería (2021). Plastic waste and recycling in the EU: facts and figures. Available online at: <https://www.cde.ual.es/en/plastic-waste-and-recycling-in-the-eu-facts-and-figures/> (last access 04/07/2022)
- 7) European Association of Plastics Recycling & Recovery organizations (EPRO) (2016). PLASTICS PACKAGING WASTE STATISTICS 2016. Available online at: <https://www.epro-plasticsrecycling.org/page/7/working-groups-e-pro-statistics> (last access 04/07/2022)
- 8) European Environmental Agency (2021). Waste recycling in Europe. Available online at: <https://www.eea.europa.eu/ims/waste-recycling-in-europe> (last access 04/07/2022)
- 9) Organisation for Economic Cooperation and Development (OECD) (2022). Global Plastics Outlook. Waste recycling in Europe. Available online at: <https://www.eea.europa.eu/ims/waste-recycling-in-europe> (last access 04/07/2022)
- 10) EuRIC AISBL (N/A). Plastic Recycling Factsheet. Available online at: https://circulareconomy.europa.eu/platform/sites/default/files/euric_-_plastic_recycling_fact_sheet.pdf (last access 04/07/2022)
- 11) European Paper Recycling Council (2021). 2016-2020 MONITORING REPORT 2020. European Declaration on Paper Recycling 2016-2020. Available online at: https://www.cepi.org/wp-content/uploads/2021/07/WEB-PAGES_EPRC-Monitoring-Report-2020_20210716.pdf (last access 04/07/2022)
- 12) Plastics Europe (2019). The Circular Economy for Plastics. A European Review. Available online at: <https://plasticseurope.org/wp-content/uploads/2021/10/20191206-Circular-Economy-Study.pdf> (last access 04/07/2022)
- 13) Plastics Europe (2021). Plastics - the Facts 2021. An analysis of European plastics production, demand and waste data. Available online at: <https://plasticseurope.org/wp-content/uploads/2021/12/Plastics-the-Facts-2021-web-final.pdf> (last access 04/07/2022)
- 14) World Resources Forum Secretariat (2021). A contribution to future. Critical Raw Materials Recycling Materials Recycling. CEWASTE Project Final Report. Available online at: <https://cewaste.eu/wp-content/uploads/2021/04/CEWASTE-Final-Public-Raport.pdf> (last access 04/07/2022)

- 15) https://zerowastecities.eu/wp-content/uploads/2020/07/2020_07_07_zwe_zero_waste_cities_masterplan.pdf
- 16) <https://zerowasteurope.eu/library/annual-report-2021/>
- 17) <https://www.sciencedirect.com/science/article/pii/S0921344919304598>
- 18) <http://zerowaste.gov.tr/>
- 19) <https://donguseleekonomiplatformu.com/en>
- 20) <https://www.mdpi.com/1996-1073/14/18/5964/htm>
- 21) https://www.government.se/498282/contentassets/16ef73aaa6f74faab86ade5ef239b659/ivsmedelsstrategin_kortversion_eng.pdf
- 22) <https://www.government.se/4ad42c/contentassets/d5ab250cf59a47b38feb8239eca1f6ab/circular-economy--strategy-for-the-transition-in-sweden>
- 23) https://zerowasteurope.eu/wp-content/uploads/2020/07/2020_07_14_zwe_eeb_position-paper_harmonisation-of-waste-separate-collection_en.pdf
- 24) <https://ellenmacarthurfoundation.org/resources/government-and-policy/overview>
- 25) <https://kfsk.se/energikontoret/kane/natverk/energiradgivarna-skane/>
- 26) <https://www.ekrs.se/>
- 27) <https://www.eceee.org/ecodesign/>
- 28) <https://www.eceee.org/ecodesign/process/>
- 29) <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0125>
- 30) https://environment.ec.europa.eu/topics/circular-economy/eu-ecolabel-home_en
- 31) <https://ec.europa.eu/eurostat/web/environment/data/database>
- 32) https://zerowastecities.eu/pdf/zero_waste_cities_masterplan.pdf