



Erasmus+

Recycling Techniques and Energy Efficiency Measures for NGOs and SMEs



**"GreenPath - Empowering SMEs and NGOs
for Environmental Sustainability and
Digital Transformation" Project**
2023-1-EL02-KA210-YOU-000157218



Introduction



The purpose of this resource is to present recycling techniques and energy efficiency measures for NGOs and SMEs within the “GreenPath - Empowering SMEs and NGOs for Environmental Sustainability and Digital Transformation” project that is funded by the Erasmus+ Program of the European Union under the KA210-YOU - Small-scale partnerships in youth.

2024 - 2025

Project Number

2023-1-EL02-KA210-YOU-000157218



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1 - Akadimia Ethelontismou Amke



2 - BeKnown S.P.C.



3 - Yabancı Dil Egitimcileri Derneği



4 - Instytut Rozdzińskiego





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Foreword

In today's rapidly evolving world, sustainability is no longer just a buzzword; it is a critical component of responsible business practice. As small and medium-sized enterprises (SMEs) and non-governmental organizations (NGOs), we have a unique role to play in driving this change. Our collective efforts in adopting sustainable practices can significantly impact the health of our planet, and recycling is a pivotal part of this journey.

Recycling is not just about managing waste—it's about rethinking our approach to resource utilization, reducing our environmental footprint, and setting an example for others to follow. Yet, for many SMEs and NGOs, the path to effective recycling can be challenging. Limited resources, lack of expertise, and the complexity of regulatory landscapes often stand in the way of implementing successful recycling programs.

This training content book has been carefully crafted to address these challenges. It is designed to be a comprehensive guide for SMEs and NGOs, providing practical tools, actionable insights, and step-by-step instructions to help you establish and enhance your recycling initiatives. Whether you are just starting out or looking to optimize existing practices, this book offers the knowledge and support you need.

The benefits of recycling extend far beyond waste reduction. For SMEs, it can lead to cost savings, improved efficiency, and enhanced brand reputation. For NGOs, it aligns with core values of social responsibility and environmental stewardship, while also serving as a model for the communities they support.

In preparing this book, we have drawn on the experiences and expertise of industry leaders, environmental advocates, and successful organizations that have made recycling an integral part of their operations. The case studies, templates, and best practices included are not just theoretical—they are proven strategies that have yielded real results.

We believe that by embracing the principles and practices outlined in this book, SMEs and NGOs can make a meaningful contribution to the global movement towards sustainability. Every small action, when multiplied by many, has the power to create significant change. Together, we can reduce waste, conserve resources, and build a better future for all.

Thank you for taking this important step towards sustainability. We are confident that this book will serve as a valuable resource on your journey to creating a more sustainable and responsible organization.

Green Path – Project Team



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Recycling Techniques and Energy Efficiency Measures for NGOs and SMEs

Reduce. Reuse. Recycle.



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The Importance of Nature and Environment



Nature is the lifeblood of our planet, a delicate balance that sustains every living being. From the towering trees that purify our air to the rivers that provide us with fresh water, the natural world is an intricate web of life, supporting and nourishing us in countless ways.

Every plant, every animal, every ecosystem plays a vital role in maintaining the health of our environment. Forests act as the lungs of the Earth, absorbing carbon dioxide and releasing the oxygen we breathe. Oceans regulate our climate, absorbing heat and distributing it around the globe. Wetlands filter water and provide habitats for countless species.

But nature does more than just sustain us physically. It enriches our lives, providing us with beauty, inspiration, and a sense of wonder. Spending time in nature reduces stress, boosts our mood, and improves our overall well-being. It reminds us of the simplicity and complexity of life, encouraging us to appreciate the world around us.

Yet, our planet is facing unprecedented challenges. Pollution, deforestation, and climate change are threatening the delicate balance of our ecosystems. Species are becoming endangered, habitats are being destroyed, and the health of our planet is at risk.

But it's not too late. Every action, no matter how small, can make a difference. Plant a tree, reduce your plastic use, support conservation efforts, and advocate for policies that protect our environment. Together, we can restore the balance and ensure a healthy, thriving planet for future generations.

Nature is our greatest ally, our most precious resource. Let's cherish it, protect it, and work together to create a sustainable future. Because the health of our planet is the health of humanity.



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The Importance of Recycling

Every day, we produce an enormous amount of waste. From plastic bottles to cardboard boxes, our trash piles up, threatening our environment and our health. But there's a simple solution that can make a big difference: recycling."

When we don't recycle, our waste ends up in landfills, taking up valuable space and releasing harmful chemicals into the air and soil. This not only pollutes our environment but also contributes to climate change.

Recycling is the process of converting waste materials into new products. It starts when we separate our recyclables from our regular trash. These materials are then collected, sorted, and processed into new items, reducing the need for raw materials. By recycling, we conserve natural resources like timber, water, and minerals. For example, recycling one ton of paper saves 17 trees and 7,000 gallons of water. Recycling aluminum cans saves 95% of the energy required to make the same amount of aluminum from raw materials.

Recycling also helps protect our wildlife. Plastics and other waste materials often end up in our oceans, harming marine life and disrupting ecosystems. By recycling, we reduce the amount of waste that can potentially harm animals and their habitats.

But recycling isn't just about conserving resources and protecting wildlife. It's also about creating a sustainable future for ourselves and future generations. When we recycle, we reduce the demand for new materials, which means less energy consumption, fewer greenhouse gas emissions, and a smaller carbon footprint.

Communities around the world are coming together to promote recycling and sustainable living. Schools, businesses, and governments are implementing recycling programs, making it easier for everyone to participate. By working together, we can make recycling a part of our everyday lives.

The benefits of recycling are clear. It conserves resources, saves energy, reduces pollution, and protects our planet. But it all starts with us. Each one of us has the power to make a difference, simply by recycling."

So, the next time you finish a drink or unwrap a package, think twice before tossing it in the trash. Recycle it instead. It's a small action that can lead to a big impact. Together, let's build a cleaner, healthier, and more sustainable world.

Recycle Today for a Better Tomorrow



Legal Obligations of Recycling in EU



Recycling is crucial for the environment, but did you know it's also a legal requirement in the European Union? In this paper, we'll explore the key legal obligations of recycling within the EU and how they impact businesses and organizations.

The European Union has implemented several directives and regulations to ensure proper recycling practices. Let's take a look at the most significant ones.

The Waste Framework Directive is the cornerstone of EU waste policy. It sets the basic concepts and definitions related to waste management, recycling, and recovery. The directive mandates that member states take appropriate measures to encourage the prevention, recycling, and other recovery of waste.

The Packaging and Packaging Waste Directive aims to reduce the impact of packaging and packaging waste on the environment. This directive requires member states to ensure that packaging waste is minimized and that a significant portion is recycled or recovered."

The Landfill Directive focuses on reducing the amount of waste sent to landfills. It sets targets for reducing biodegradable municipal waste and requires member states to establish national strategies for the diversion of waste from landfills.

Now, let's see how these directives are implemented in some EU countries.

In Greece, the National Waste Management Plan outlines the country's recycling obligations. Aligned with the EU Waste Framework Directive, Greece requires municipalities to implement separate collection systems for paper, metal, plastic, and glass. By 2020, the goal was to recycle at least 50% of household waste.

Greece also follows the Extended Producer Responsibility principle, which means producers are responsible for the entire lifecycle of their products, including take-back, recycling, and final disposal. This includes packaging, electrical and electronic equipment, and batteries.

Poland's Waste Management Act is the primary legal framework for recycling. This law mandates the segregation of waste at the source into at least five fractions: paper, metals, plastics, glass, and biodegradable waste.

Turkey has made significant strides in waste management with the introduction of the Zero Waste Regulation. This regulation, effective from 2019, mandates the implementation of a Zero Waste Management System in public institutions, municipalities, and large enterprises.

Municipalities in Turkey are required to establish separate collection systems for recyclable waste. Public awareness campaigns and educational programs are also crucial components of Turkey's strategy to promote recycling.





In Germany, the Circular Economy Act aligns with EU directives by promoting recycling and the use of recycled materials. The country has achieved one of the highest recycling rates in Europe.

Sweden's Waste Management Plan ensures that by 2025, at least 55% of municipal waste is recycled. The country is a leader in waste-to-energy processes, converting much of its waste into energy.

Italy has implemented separate collection systems for different types of waste, ensuring compliance with the EU's recycling targets. This system has significantly increased recycling rates in recent years.

So, what does this mean for businesses and organizations in the EU?

Businesses must comply with these regulations by implementing effective waste management systems. They need to separate waste at the source, ensure proper disposal, and aim to reduce waste generation. Non-compliance can result in fines and other legal consequences.

Recycling is not just good for the environment; it's a legal obligation in the European Union. By understanding and adhering to these regulations, we can all contribute to a more sustainable future. Stay informed, stay compliant, and let's work together to recycle right.





Waste Types

Waste management is crucial for a cleaner and healthier planet. In this paper, we'll explore the different types of waste and provide examples of each. Understanding these categories helps us recycle and dispose of waste properly.

First, let's look at organic waste. Organic waste includes biodegradable materials that come from plants or animals. Examples of organic waste are food scraps, garden waste, and agricultural waste. Composting is a great way to recycle organic waste, turning it into valuable fertilizer for gardens and farms.

Next, we have plastic waste. Plastic waste includes items made from plastic polymers. Examples are plastic bottles, bags, packaging materials, and disposable utensils.

Plastic waste is a major environmental concern due to its long decomposition time. Recycling and reducing plastic use are key steps to address this issue.

Now, let's discuss paper waste. Paper waste consists of items made from paper or cardboard. Examples include newspapers, magazines, office paper, and cardboard boxes. Recycling paper helps save trees and reduces the environmental impact of paper production.

Metal waste is another important category. Metal waste includes items made from metals like aluminum, steel, and copper. Examples are aluminum cans, old appliances, and metal scraps from construction. Recycling metal conserves natural resources and requires less energy compared to producing new metal from raw materials.

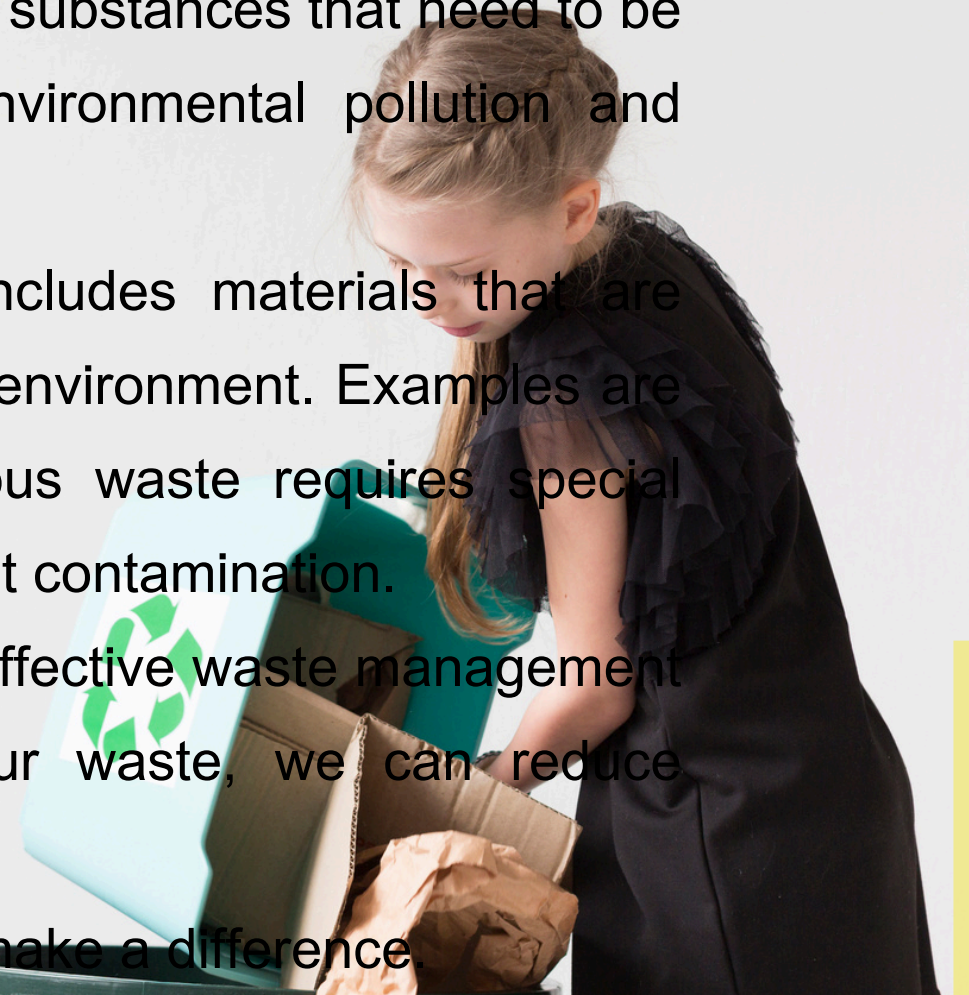
Next, let's look at glass waste. Glass waste includes items made from glass, such as bottles, jars, and broken glassware. Glass is 100% recyclable and can be recycled endlessly without losing quality, making it one of the most sustainable waste materials.

Electronic waste, or e-waste, is becoming increasingly significant. E-waste includes discarded electronic devices like smartphones, computers, and televisions. E-waste contains valuable materials that can be recovered and toxic substances that need to be managed carefully. Recycling e-waste helps prevent environmental pollution and conserves resources.

Finally, we have hazardous waste. Hazardous waste includes materials that are dangerous or potentially harmful to human health and the environment. Examples are batteries, chemicals, medical waste, and paint. Hazardous waste requires special handling and disposal methods to ensure safety and prevent contamination.

Understanding the different types of waste is essential for effective waste management and recycling. By properly sorting and disposing of our waste, we can reduce environmental impact and promote a sustainable future.

Remember: reduce, reuse, and recycle. Together, we can make a difference.





Classification of Waste

Proper waste separation is key to effective recycling and protecting our environment. In this paper, we'll share simple tips to help you separate your waste correctly.

Tip 1: Know your bins.

Different materials go into different bins. Typically, you'll have separate bins for paper, plastic, glass, metal, and organic waste.

Tip 2: Clean your recyclables.

Rinse out food and drink containers before placing them in the recycling bin. Clean items are easier to process and less likely to contaminate other recyclables.

Tip 3: Remove caps and lids.

Remove caps and lids from bottles and jars. Different materials are often recycled separately, and removing caps helps ensure they are processed correctly.

Tip 4: Flatten cardboard boxes.

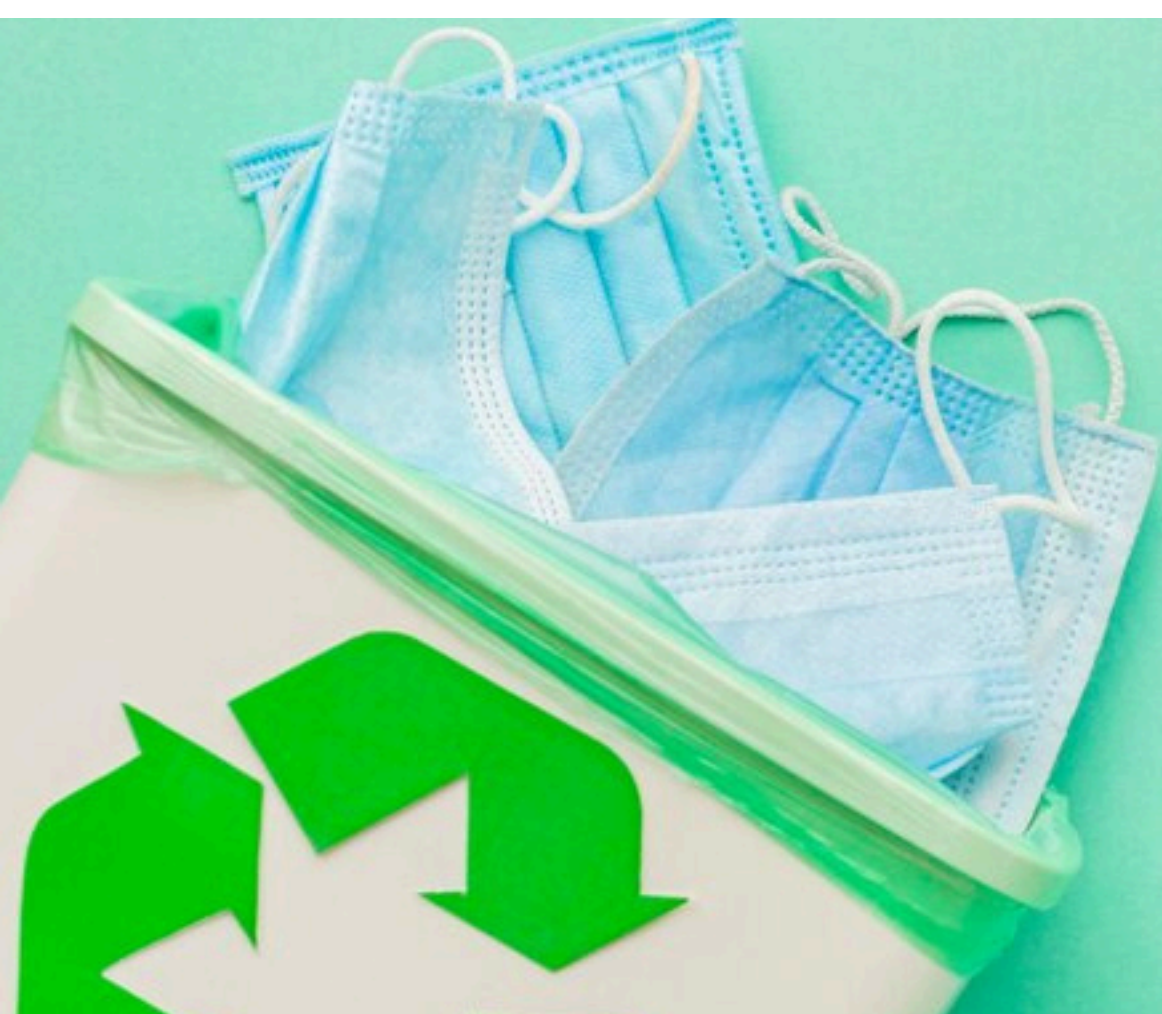
Flattening cardboard boxes saves space in your recycling bin and makes them easier to transport and process.

Tip 5: Don't bag your recyclables.

Place recyclables directly into the bin without bagging them. Plastic bags can get tangled in recycling machinery and cause problems.

By following these simple tips, you can help make recycling more efficient and effective. Remember: know your bins, clean your recyclables, remove caps, flatten cardboard, and don't bag your recyclables.

Together, we can make a difference. Start separating your waste correctly today for a cleaner, greener tomorrow.



Waste Collection and Separation Processes



Every day, our waste collection and separation processes play a crucial role in keeping our communities clean and sustainable.

It all starts at home, where we separate our waste into different bins – general waste, recyclables, and compostables.

Proper separation is essential. Plastics, glass, and metals go into the recycling bin. Organic waste, like food scraps, goes into the compost bin. Everything else goes into general waste.

Once the waste is collected, it is transported to different facilities for further processing. At the recycling facility, materials are sorted, cleaned, and processed into new products. This reduces the need for raw materials and conserves natural resources.

Organic waste is taken to composting facilities where it's turned into nutrient-rich compost. This compost is then used to enrich soil for agriculture and gardening.

Non-recyclable and non-compostable waste ends up in landfills. Proper landfill management is essential to minimize environmental impact.

By separating our waste correctly, we help reduce pollution, conserve resources, and create a healthier environment for future generations.

Do your part. Separate your waste. Together, we can make a difference.



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Processing Waste and Turning It into New Products



Every day, millions of tons of waste are processed and transformed into new products, helping to build a more sustainable future."

The journey begins with sorting. Waste is carefully separated into different categories: plastics, metals, glass, and paper.

Once sorted, these materials are sent to specialized facilities where they undergo further processing.

Take plastics, for example. They are cleaned, shredded, and melted into pellets, which serve as raw material for new plastic products.

Paper waste is turned into pulp and then transformed into new paper products, reducing the need for fresh timber.

Metals are melted down and reformed, creating everything from new cans to parts for automobiles and construction.

Glass is crushed, melted, and molded into new bottles and jars, which can be endlessly recycled without losing quality.

The result? New products made from recycled materials that are ready to be used again, closing the loop in the lifecycle of materials.

Recycling and reusing materials not only conserves natural resources but also saves energy and reduces greenhouse gas emissions.

By choosing products made from recycled materials, we contribute to a circular economy and a healthier planet.

Recycle. Reuse. Renew. Together, we can make a difference



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Creating a Waste Management Plan



In this paper, we'll explore how your Small or Medium-Sized Business (SME) and NGO can create an effective waste management plan. Let's dive in step-by-step.

Step 1: Assess Your Waste. Begin by identifying the types of waste your business produces. This includes paper, plastics, metals, organic waste, and electronic waste.

Keep track of quantities and note any hazardous materials that require special handling.

Step 2: Set Waste Reduction Goals. Determine realistic targets for reducing waste. This could mean cutting down paper use by 50% or recycling 75% of your plastic waste.

Make sure these goals are specific, measurable, achievable, relevant, and time-bound.

Step 3: Develop a Waste Management Strategy. Decide how you will reduce, reuse, recycle, and properly dispose of waste. This might involve setting up recycling bins, composting organic waste, or partnering with waste management companies.

Educate your staff about these practices to ensure everyone is on board.

Step 4: Implement the Plan. Put your strategies into action. Provide the necessary tools and resources, like recycling bins and signage, to support your efforts.

Monitor progress and adjust your plan as needed.

Step 5: Review and Improve. Regularly review your waste management plan to track progress and identify areas for improvement. Celebrate your successes and keep striving for better results.

By following these steps, your SME or NGO can contribute to a healthier environment while potentially reducing costs.

Start today and make a positive impact!



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In Office Recycling and Waste Reduction Strategies



In this paper, we'll explore how your small or medium-sized business and NGO can recycle within the office and develop waste reduction strategies.

Welcome to our office! Today, we're diving into some simple and effective strategies to make our workplace greener and more sustainable.

First up, let's talk about recycling. Having clearly labeled recycling bins for paper, plastic, and glass in easily accessible areas is crucial. Make sure everyone knows what can and can't be recycled.

Encourage everyone to rinse out their containers before recycling. It keeps the bins cleaner and ensures the materials can be properly processed.

Next, let's reduce waste. Opt for reusable items like mugs, dishes, and utensils instead of single-use plastic ones. It's a small change that makes a big difference.

Go paperless whenever possible. Use digital tools for notes, memos, and reports. If you must print, use both sides of the paper and set your printer to default to double-sided printing.

Encourage a 'think before you print' mentality. Do you really need a hard copy, or can it be shared digitally?

Set up a compost bin in the break room for food scraps and coffee grounds. This can significantly reduce the amount of waste going to the landfill.

Don't forget about energy savings. Turn off lights and electronics when not in use and adjust thermostats to conserve energy.

Finally, foster a culture of sustainability. Encourage discussions and ideas on how to reduce waste and recycle more effectively. It's a team effort!

Together, we can create a cleaner, greener workplace. Let's make every action count!

Join us in making a difference. Start recycling and reducing waste today!





Public Awareness for NGOs

At the heart of every thriving community is a commitment to preserving our environment. NGOs play a vital role in this mission, educating and engaging the public on the importance of environmental sustainability.

Organizing public awareness campaigns and educational events is key to fostering a culture of sustainability. Here's how your NGO can make a lasting impact.

Start by defining clear goals. What do you aim to achieve? Is it reducing plastic use, promoting recycling, or conserving water? Identify your target audience. They can be students, local businesses, or the general public.

Understanding your audience helps tailor your message, making it more effective and engaging.

Collaboration is powerful. Partner with local schools, businesses, and community leaders. Networking with other environmental groups can amplify your efforts and reach a broader audience.

Together, you can achieve more.

Plan activities that educate and inspire. Organize workshops, seminars, and hands-on activities like tree planting or clean-up drives. Interactive and practical experiences leave a lasting **impression**.

Engage your audience with real-world solutions they can implement in their daily lives. Leverage social media and digital tools to spread your message. Create informative content, share success stories, and engage with your audience online. A strong digital presence can extend your reach significantly.

Use hashtags, challenges, and online campaigns to keep the momentum going.

Finally, measure the impact of your campaigns. Collect feedback, track participation, and **assess** behavioral changes. Use this data to refine your strategies and improve future initiatives.

Adapting based on feedback ensures continuous improvement and greater success over time.

By organizing public awareness campaigns, educational events, and seminars, your NGO can lead the way towards a more sustainable future. Let's work together to protect our planet for generations to come.



Collaboration with Other Organisations and Raise Funds for Recycling Projects



Welcome to our paper, where we turn waste into wealth through innovative recycling projects!

Recycling is a critical part of creating a sustainable future, and NGOs play a vital role in driving these initiatives. But how do they do it? Today, we'll explore how NGOs collaborate and raise funds for recycling projects.

First, collaboration is key. NGOs partner with a variety of organizations, including government agencies, private companies, and other non-profits. These partnerships bring together different strengths and resources.

For instance, corporations might provide funding or materials, while NGOs bring expertise and on the ground knowledge.

Community involvement is another crucial element. NGOs often engage local communities through awareness campaigns, educational programs, and volunteer opportunities.

Raising funds is essential for the success of recycling projects. NGOs use various methods to secure funding, such as grant applications, crowdfunding, and fundraising events.

Grant writing is a major avenue. NGOs apply for grants from government bodies, foundations, and international organizations. A well-written grant proposal can secure significant funding.

Crowdfunding platforms like Kickstarter and GoFundMe allow NGOs to reach a global audience. By sharing compelling stories and detailed project plans, they can attract donations from people worldwide.

Corporate Social Responsibility programs are another funding source. Many companies allocate funds to support environmental projects, including recycling.

With the support of these collaborations and funding efforts, NGOs can implement effective recycling projects that make a real difference.

Join us in our mission to create a greener planet.

Together, we can turn waste into wealth!



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Recycling Technologies and Innovation



Welcome to our paper on the cutting-edge technologies and innovations transforming the world of recycling!

In the past, recycling was a manual and labor-intensive process. Today, it's a high-tech operation that maximizes efficiency and sustainability.

One of the most exciting advancements is the use of robotics. These intelligent machines can quickly and accurately sort materials, significantly reducing contamination and increasing the purity of recycled products.

Artificial Intelligence plays a crucial role in modern recycling. AI-powered scanners identify and categorize materials at lightning speed, ensuring that each item is processed correctly.

3D printing technology is another game-changer. By turning recycled plastics into raw materials for 3D printing, we can create new products and reduce the demand for virgin plastics.

Biotechnology is also making strides in recycling. Scientists are using microorganisms to break down complex waste materials into simpler compounds, which can then be repurposed into new products.

Sustainability is at the heart of these innovations. Many recycling facilities are now powered by renewable energy sources like solar and wind, reducing their carbon footprint.

Digital solutions are empowering individuals to recycle more effectively. Apps can now help track your recycling habits, provide tips, and even offer rewards for responsible recycling.

Community involvement remains essential. Modern technologies make it easier for communities to come together and achieve their recycling goals, fostering a culture of sustainability.

Together, with the help of these groundbreaking technologies, we can create a cleaner, greener future for our planet. Thank you for watching!



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Resources and Guides for More Information About Recycling



Today, we're diving into a topic that's close to our hearts—recycling. Whether you're a NGO, SME, seasoned recycler or just getting started, we've got you covered with some fantastic resources and guides. So, let's get into it!

First up, if you're looking for a comprehensive guide, check out 'Recycling 101'. This book breaks down everything you need to know about sorting, cleaning, and disposing of recyclables properly. It's a great starting point for beginners.

For online resources, Earth911.com is an excellent website. It offers a recycling search tool where you can find local recycling centers and learn what materials they accept. Plus, their blog is packed with articles on sustainable living and waste reduction tips.

If you're always on the go, mobile apps like 'iRecycle' are super handy. This app provides information on recycling over 350 different materials and lists nearby recycling facilities based on your location. It's like having a recycling expert in your pocket!

Don't forget about local resources! Many municipalities offer printed guides and pamphlets on their specific recycling programs. Check your city's website or visit your local community center for these valuable materials.

Of course, YouTube is a goldmine for recycling tips and tutorials. Channels like 'Recycling Revolution' and 'EcoBoost' offer engaging videos on everything from DIY recycling projects to in-depth explanations of recycling processes.

Remember, recycling correctly is just one part of living sustainably. Reduce, reuse, and then recycle. By using these resources, you'll be well on your way to making a positive impact on our planet.

Thanks for reading! Until next time, keep it green!"



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Success Stories and Good Practices

(Part 1) - B Corp



In business, a B Corporation (also B Corp) is a for-profit corporation certified by B Lab for its social impact. B Corp certification is conferred by B Lab, a global non-profit organization. To be granted and to maintain certification, companies must receive a minimum score of 80 from an assessment of its social and environmental performance, integrate B Corp commitments to stakeholders into company governing documents, and pay an annual fee based on annual sales. Companies must re-certify every three years to retain B Corporation status.

As of February 2024, there are 8,254 certified B Corporations across 162 industries in 96 countries.

B Lab certification is a third-party standard requiring companies to meet social sustainability and environmental performance standards, meet accountability standards, and be transparent to the public according to the score they receive on the assessment. B Lab certification applies to the whole company across all product lines and issue areas.

An issue in deciding to be a certified B Corporation would be the administrative and legal costs a corporation will face in changing their business model in accordance to B Lab's regulations.

As a matter of law, in Massachusetts or states that recognize B Corporation certification, it doesn't bring any legal significance to its shareholders, stakeholders or to its employees. However, the certification brings a multitude of branding tools to the corporation.

B Corp certification will bring no legal liabilities to a C Corporation or any for-profit business structures apart from its business model structure which should adhere to the B Labs. To add on, many C corporations usually adapt the B Corporation certificate to gain goodwill.

Similar to other business associations, certified B Corporations and their employees have access to a number of discounts from outside entities and fellow members.

B Lab certification has no legal status and is lacking in mandatory due diligence mechanisms. B Lab has been criticized for framing private sector led multi-stakeholder governance as a substitute for public sector regulation.

Resource: <https://www.bcorporation.net/en-us/>



Success Stories and Good Practices (Part 2)

Sustainable Development Goals (SDGs)



The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

The 17 SDGs are integrated—they recognize that action in one area will affect outcomes in others, and that development must balance social, economic and environmental sustainability.

Countries have committed to prioritize progress for those who're furthest behind. The SDGs are designed to end poverty, hunger, AIDS, and discrimination against women and girls.

The creativity, knowhow, technology and financial resources from all of society is necessary to achieve the SDGs in every context.

What are the Sustainable Development Goals?

- 1.No Poverty
- 2.Zero Hunger
- 3.Good Health and Well-being
- 4.Quality Education
- 5.Gender Equality
- 6.Clean Water and Sanitation
- 7.Affordable and Clean Energy
- 8.Decent Work and Economic Growth
- 9.Industry, Innovation and Infrastructure
- 10.Reduced Inequality
- 11.Sustainable Cities and Communities
- 12.Responsible Consumption and Production
- 13.Climate Action
- 14.Life Below Water
- 15.Life on Land
- 16.Peace and Justice Strong Institutions
- 17.Partnerships to achieve the Goals

Resource: <https://sdgs.un.org/goals>



SUSTAINABLE DEVELOPMENT GOALS



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Success Stories and Good Practices

(Part 3) - SME Climate HUB



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The SME Climate Commitment is the official pathway for small and medium sized businesses to join the United Nations' Race to Zero campaign. It was initiated in 2020 by Majda Dabaghi (ICC) and Johan Falk (ERI).

The SME Climate Hub is a global initiative that aims to mainstream climate action in the small to medium sized business community and enable SMEs to build resilient businesses for the future.

Businesses with under 500 employees represent 90% of business globally and affect the livelihoods of over 2 billion people. We are here to support these businesses as they commit to their net zero journey. Our pragmatic approach removes the obstacles SMEs face as they take climate action — whether curbing emissions in their own business or getting green solutions to market.

The first step is making the commitment: to halve emissions by 2030 and to become net zero by 2050 or sooner. The SME Climate Hub has developed free, practical resources specifically tailored to support SMEs on their net zero journey through strategic emission reductions and opportunities for climate leadership. Businesses can calculate their emissions with the Business Carbon Calculator, learn how to take action with the Climate Fit education course and access support through the Financial Support guide and 1.5°C Business Playbook. The SME Climate Hub has also partnered with Oxford University to provide SMEs with a library of external tools that offer additional support to small businesses taking concrete steps towards climate action.

Climate action helps small businesses build resilience amid shifting policy regulations, changing consumer demands, and global expectations. It's in the best interest of business to start their journey — today.

The SME Climate Hub is an initiative founded by the We Mean Business Coalition, Exponential Roadmap Initiative and the United Nations Race to Zero campaign in collaboration with Oxford University and Normative. The SME Climate Commitment is the official pathway for small and medium sized businesses to join the United Nations global Race to Zero campaign.

Resource: <https://businessclimatehub.org/>



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Success Stories and Good Practices (Part 4) - Circular Economy 100 (CE100)



The Ellen MacArthur Foundation launched its Circular Economy 100 (CE100) programme in 2013 and includes city and government authorities, universities, and companies.

The CE100 programme focuses on maintaining the utility and value of products and materials at all times, in contrast with the standard “take, make, dispose” model.

The CE100 convenes businesses, innovators, cities and governments, universities, and thought leaders at local Acceleration Workshops held four times a year across Europe and North America. Acceleration Workshops provide a pre-competitive space to share knowledge and advance individual agendas. These immersive events are a chance to learn from expert input, build new relationships, and progress collective approaches.

The May 2019 CE100 Acceleration Workshop was held in Catalonia including the following sessions:

Plenary 1- Business Model Design - What role does Product-as-a-Service play in the transition to a circular economy?

Plenary 2 - Procurement and Value Chain Engagement - How are corporations redesigning existing procurement systems to engage and challenge their supply chains to support their efforts to meet circular economy goals?

Co.projects:

Members pitched their collaboration opportunity to the network. Successful pitches turn into formal collaboration projects (co.projects) which the Foundation endorse and support.

Success stories of co.projects to date were then highlighted to the network:

Project Ceres - Promoting organic waste collection by making available compostable fruit and vegetable of 100% city retailers.

#BetterThanNew - the role and opportunity of remanufacturing:

Mass Balance - Unlocking potential of chemically recycled raw materials through standard setting collaboration:

THE CIRCULAR ECONOMY

100

Resource: <https://www.ellenmacarthurfoundation.org/>



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Success Stories and Good Practices (Part 5) - Digital Innovation Hubs



European Digital Innovation Hubs (EDIHs) are strategic partners in your company's journey to tackle digital challenges and become more competitive.

While EDIHs have a regional presence, they also benefit from being part of a pan-European network. These one-stop shops are designed to offer region-specific support while also being part of a broader European network. Their localised knowledge ensures services tailored to your specific needs and innovation ecosystem. The EDIH network's European coverage fosters the sharing of best practices and specialised services across different regions and countries.

Watch our video to learn about our network's services and discover inspiring success stories from companies that we have supported in their digital transformation journey.

For more insights into the advantages of collaborating with an EDIH, you can also check out our infographic.

EDIHs help companies to upgrade their processes, products, and services using cutting-edge digital technologies. With the 'test before invest' option, companies can experiment with new technologies risk-free. Beyond that, EDIHs offer technical expertise, financial guidance, and training and skills development – all essential tools on the journey to successful digital transformation. Find the full list of services in our service brochure and learn how your business can make the most of them.

Each collaboration between an EDIH and a company is planned and assessed using the Digital Maturity Assessment Tool (DMAT), available to EDIH representatives on our official website. The Digital Maturity Assessment Tool measures the digital maturity of a company according to the criteria specified in the Digital Maturity Assessment Tool questionnaire. This process allows the EDIH to gain a clear understanding of each company's digital needs, enabling tailored interventions.

By evaluating the digital readiness of the company both before and after its collaboration with an EDIH, the Digital Maturity Assessment Tool offers measurable and valuable insights into the growth of their digital maturity.

Resource: https://commission.europa.eu/index_en



European Digital Innovation Hubs Network



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Success Stories and Good Practices

(Part 6) - TEMA



Founded in 1992 by two visionary leaders, Hayrettin Karaca and Nihat Gökyiğit, the TEMA Foundation was established with a singular mission: to combat soil erosion and promote reforestation across Turkey.

Hayrettin Karaca, often referred to as the 'Grandfather of Trees,' dedicated his life to protecting Turkey's natural heritage. Alongside him, Nihat Gökyiğit, an industrialist with a passion for the environment, brought strategic vision and resources to the cause.

TEMA's impact is profound and far-reaching. Over the past three decades, they have mobilized millions of volunteers to plant more than 17 million trees, restoring vast areas of degraded land. But their work goes beyond planting trees.

Education is at the core of TEMA's efforts. By engaging with schools, communities, and policymakers, TEMA promotes environmental awareness and sustainable practices. Their programs teach the importance of soil health, biodiversity, and water conservation.

Innovation drives TEMA's initiatives. They employ cutting-edge techniques in agroforestry, soil rehabilitation, and sustainable agriculture, ensuring long-term ecological balance and community resilience.

By working closely with local communities, TEMA empowers individuals to become stewards of their environment. These collaborative efforts not only enhance livelihoods but also foster a deep connection to the land.

TEMA's dedication has not gone unnoticed. The foundation has received numerous national and international awards, recognizing their pivotal role in environmental conservation.

The TEMA Foundation continues to inspire and lead the way in building a greener, healthier future for Turkey. Their unwavering commitment serves as a reminder that with collective effort, we can heal the planet and protect it for generations to come.

Join TEMA in their mission. Visit their website to learn more and find out how you can contribute to this vital cause.

Resource: <https://www.tema.org.tr/en>



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Success Stories and Good Practices

(Part 7) - ÇEVDOSAN



Founded in 1995, ÇEVDOSAN is one of the pioneers in Turkey's environmental movement. Its mission is to protect the environment by promoting and facilitating the recovery and recycling of packaging waste.

Recycling is crucial for reducing waste, conserving natural resources, and minimizing environmental impact. In Turkey, the need for effective waste management is more pressing than ever.

ÇEVDOSAN leads various initiatives, including public awareness campaigns, educational programs in schools, and partnerships with municipalities and businesses to improve recycling infrastructure.

By working closely with businesses, ÇEVDOSAN ensures that packaging waste is properly managed and recycled. This collaboration helps create a more sustainable economy and reduces the environmental footprint of commercial activities.

Educating the public is a key part of ÇEVDOSAN's strategy. Through workshops, school programs, and social media campaigns, they spread the message of recycling and environmental responsibility to all age groups.

ÇEVDOSAN's efforts have led to significant achievements. Thousands of tons of packaging waste are recycled annually, contributing to cleaner cities and a healthier environment for future generations.

Join ÇEVDOSAN in their mission to protect our planet. Learn more about how you can participate in recycling programs and make a difference. Visit ÇEVDOSAN's website for more information.

Thank you for watching and for supporting a greener, more sustainable future.

Resource: <http://cevdosan.com.tr/>



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2024