





Table of Contents



00

DCO Intro & Context of the Framework

E-Waste Management Framework: Fundamentals 02

E-Waste Management Framework: Benchmark

03

E-Waste Management Framework: Design

04

E-Waste Management Framework: Validation



0. DCO Intro & Context of the Framework

The DCO is the only dedicated multilateral inter-governmental organization breaking down barriers and facilitating collaboration across the global digital economy

The DCO's Vision...



"A world where every country, business, and person has a fair opportunity to prosper in a cross-border and sustainable Digital Economy"

The DCO's Mission...



"Achieving social prosperity and growth of the Digital Economy by unifying efforts to advance digital transformation and promote common interests"





Overview: The Digital Cooperation Organization (DCO)

- The DCO seeks to establish the optimal infrastructure and policies for the creation of inclusive and equitable digital economies where all people, businesses, and governments can innovate and thrive.
- In pursuit of the Member States' common interests, the DCO works collaboratively with digital economy stakeholders, including governments, the private sector, international organizations, NGOs, and civil society.

The DCO Unites Ministries of Communications and Information Technology of 16 Member States:

	Bahrain		Bangladesh	.	Cyprus	•	Djibouti
	The Gambia	*	Ghana		Greece	•	Jordan
	Kuwait	*	Morocco		Nigeria	×	Oman
C	Pakistan		Qatar	*	Rwanda	THEN	Saudi Arabia

Observers

Over 40 observers from international IT companies, Research institutions, and organizations, such as IBM, VISA, STC, PTCL, UCL, ISDB, etc.

Partners

7 plus Partners, such as ITU, WEF, UNITAR, etc. for possible cooperation to promote digital economy.



DCO'S STRATEGIC GOALS TO ACHIEVE BY 2030



Empower businesses of the DCO cross-border digital market to thrive in the global digital economy.

Leverage the full potential of data across the DCO ecosystem.



Foster an inclusive, humanfocused, and sustainable Digital Economy. Focus of this initiative

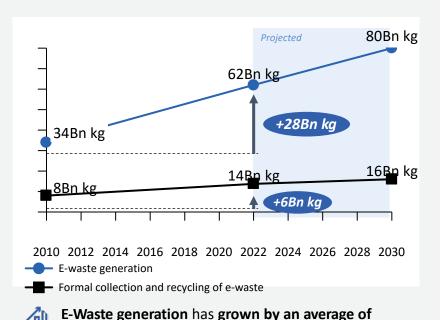
Digital Cooperation Organization

Source: DCO

E-Waste is a Growing Issue: Insufficient and ineffective Collection and Recycling Systems can Result in Non-compliant E-Waste Management.

E-Waste Growth and Environmental Impact

VOLUMES OF GLOBAL E-WASTE GENERATION, COLLECTION AND RECYCLING [2010-2030]





E-Waste **generation** is growing **five times faster** than formal **recycling**.



Poor e-waste management causes harmful emissions, posing health and environmental risks.

E-Waste contains hazardous materials, including toxic metals, flame retardants, and persistent organic pollutants.

45Mn kg

of plastics containing brominated flame retardants incorrectly managed.

58k kg

of mercury released yearly.

145Bn kg

of CO2-equivalent emissions from mismanagement of refrigerants released yearly.



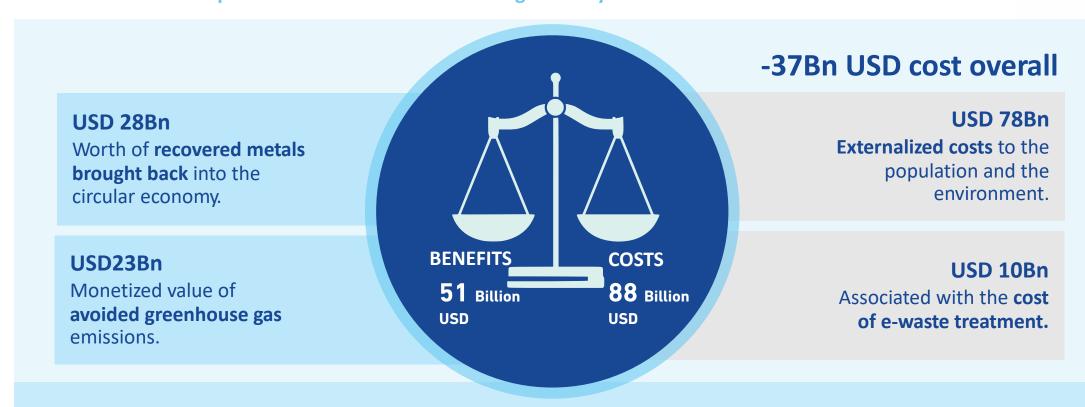
Over 11 million informal workers in developing countries face serious health risks from handling hazardous e-waste materials.



2.3 billion kilograms since 2010.

At the Current Recycling Rate of Approximately 20%, Global Societal Costs Outweigh Benefits by \$37 Billion, Leaving Significant Value Untapped.

Estimated Economic Impact of the Current E-Waste Management System

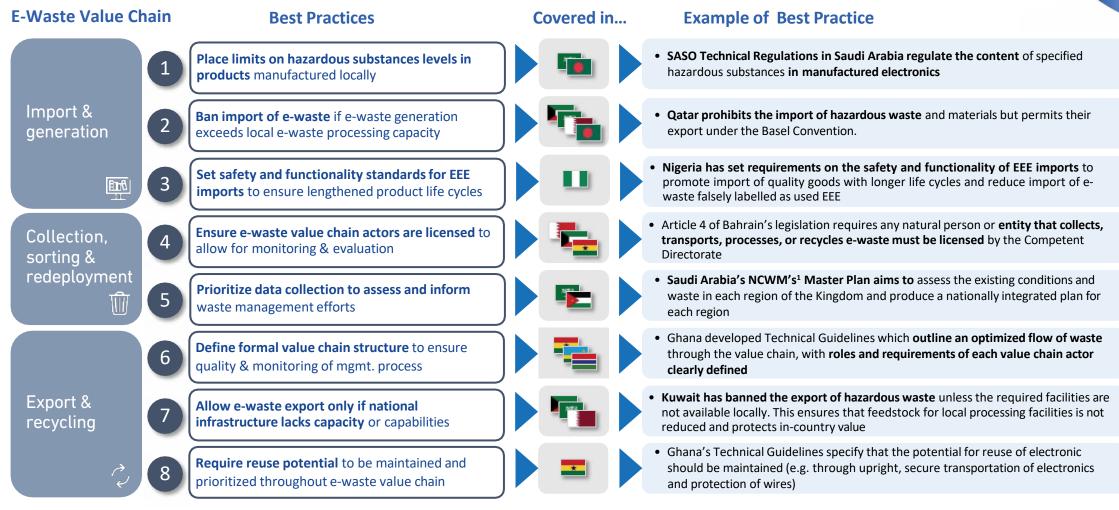




- Overall economic impact is projected to rise to USD 40 billion in costs by 2030, if global e-waste management systems maintain their current trajectory.
- However, if a 60% recycling rate is achieved globally by 2030, there is potential for up to USD 38 billion in net benefits.



E-Waste Management Best Practices in DCO Member States



National Centre for Waste Management, DCO Survey 2024; Others: DCO Survey Data

10

DCO Member States Face Multiple Challenges In E-Waste Management, Including Limited Infrastructure, Data, And Law Enforcement

Common Challenges in E-Waste Management

COMMON CHALLENGES



Lack of e-waste specific legislation and/or challenges with **enforcement.**



Low Consumer Awareness.



Limited e-waste collection, treatment and recycling **infrastructure**.



Fragmented Value Chain, with unregulated informal sector involvement.



Limited availability of e-waste **data**, and lack of e-waste **tracking system**.



Limited adoption of Extended Producer Responsibility.



Illegal import of e-waste.



Commercial viability of operating high quality recycling infrastructure.

Countries must strengthen e-waste management systems by diagnosing the current situation and empowering private and social sectors.



Source: DCO, Expert interviews, Survey to the DCO Member States

...And also have Several Opportunities to be Leveraged, including Collaboration, Private Sector Incentivization, and Strengthening of E-Waste Legislation.

Common Opportunities in E-Waste Management

COMMON OPPORTUNITIES



Strengthen the regulatory framework for e-waste based on best practices and improve enforcement.



Initiate initiatives to raise public awareness about e-waste management.



Reuse electronics to help bridge the digital divide.



Foster international collaborations to **address knowledge gaps** in e-waste management and promote effective and sustainable solutions.



Collect data to monitor and improve the e-waste system.



Embed e-waste-specific Extended Producer Responsibility (EPR) in legislation.



Leverage the DCO to expand international collaboration and regulate e-waste import/export.



Design incentives and **Public-Private Partnerships** (PPPs) to promote formal economy.

There is no one-size-fits-all solution: Each country should define its own roadmap to leverage these opportunities, improve e-waste management, and amplify social, economic, and environmental impact.



Source: DCO, Expert interviews, Survey to the DCO Member States

The Benchmark Analysis Showed how Countries Need to Leverage Regional Networks, Strategically

Develop Infrastructure to Foster Economies of Scale,, and Improve E-Waste Collection Systems

Key takeaways

Collection systems first

Governments should focus on establishing robust ewaste collection systems to ensure feedstock before investing in recycling infrastructure



Consumer awareness

Building consumer awareness with the support of NGOs is an important step in building collection systems

Economies of scale

Countries should strategically invest in e-waste recycling technology, aligned with the volume and type of their e-waste feedstock. Regional collaboration will allow specialized services to be developed at economically viable scales

Pursuing bilateral agreements and

Regional collaboration

harmonizing approaches with countries in the region is a success factor to reach economy of scale

Mobilizing the private sector

The private scale can provide investment, infrastructure and innovation, and can be mobilized through incentives, public private partnerships and extended producer responsibility schemes





1. E-waste Management Framework

We Followed a Four-step Approach to Define a New E-Waste Management Framework, Ensuring it Aligned with the DCO's Objectives

Process for E-Waste Management Framework Development

01

Define The
Fundamentals Of The
E-Waste
Management
Framework.

02

Benchmark Best Practices And Existing Frameworks. 03

Design The E-Waste Management Framework. 04

Validate the Framework through Global Roundtables and Review it with DCO Member States.



In The First Step, We Defined the Fundamentals of the E-Waste Management Framework, Looking at the Key Objectives, Ambition, Target Audience, Scope, and Design Principles.

Process for E-Waste Management Framework Development

01

Define The
Fundamentals Of The
E-Waste
Management
Framework.

02

Benchmark Best Practices And Existing Frameworks. 03

Design The E-Waste Management Framework.

04

Validate the Framework using Global Roundtables and a Pilot With DCO Member States.



15

The DCO Aims to Design an E-waste Management Framework to Enable Governments to take Actions at Both a National and Cross-border Level, based on Best Practices

E-waste Management Framework Fundamentals

Ambition

Enable countries worldwide in enhancing their e-waste management systems to (1) promote sustainability in the ICT sector, (2) address the digital divide, and (3) capitalize on the economic potential of material recovery from e-waste



Objectives





 Guide governments to improve e-waste management systems through key success factors and mechanisms based on best practice

Audience

Government agencies, including Ministries, Regulators and Municipalities

The framework is designed to assist the governments of all countries, and is not limited to **DCO Member States**





The Scope Definition Ensures that The Framework Is Simple, But Not Simplistic: It Is Applicable to Governments Across The Globe, Looking At The Whole Value Chain, Including Import And Export.

E-Waste Management Framework Scope

The Framework is:

A structured summary of key best practices that countries should consider.

Country agnostic, and applicable to countries with e-waste management systems at all levels of maturity.

Targeting governments, highlighting what they can do to strengthen and scale e-waste management efforts.

Looking both at the national and cross-border e-waste management best practices.



The Framework is not:

A step-by-step toolkit highlighting the implementation processes for best practices.

Tailored to DCO Member States, most of whom are in the initial stage of e-waste management system.

Applicable to the private and social sector, to integrate them into national e-waste management systems.

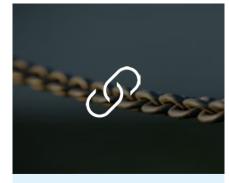
Focused only on e-waste cross-border flows, to support bilateral agreements.





We Determined Five Key Design Principles Which Should Guide The E-Waste Management Framework Development To Ensure That It Meets Its Ambition And Objectives.

Design Principles for the E-Waste Management Framework



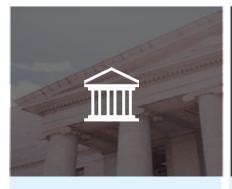


Covers all stages of the value chain, from e-waste generation to landfill.



Considers Both National And Cross-border E-Waste Flows

Focuses on both the national e-waste management systems, and e-waste cross border collaboration.



Exhaustive
Coverage Of
GovernmentDriven
Mechanisms

Focuses on both national e-waste management systems and cross-border ewaste collaboration.



Country Agnostic: Applicable To Diverse Contexts

Relevant for countries across different regions with varying levels of ewaste management maturity.



Simple, Practical, And Effective

Focuses on practical insights and clear guidance for adopting best practices.



www.dco.org

In The Second Step, Key Components And Mechanisms For Successful E-Waste Management Were Identified By Benchmarking Best Practices And Frameworks.

Process for E-Waste Management Framework Development

Define The Fundamentals Of The E-Waste Management Framework.

02

Benchmark Best Practices And Existing Frameworks.

Design The E-Waste Management Framework.



Eight E-Waste-Specific Frameworks, and Five Waste/Circularity Frameworks were Analyzed, And While None Fulfilled The DCO's Objectives, They Provided Informative Takeaways to Guide the Design of A New Framework.

Summary: E-Waste Specific Frameworks



E-WASTE MANAGEMENT FRAMEWORKS (08)



WASTE/CIRCULARITY FRAMEWORKS (05)

 Stocks and Flows of E-Waste







 Toolkit for Policy Practices in E-Waste Management



 Model Framework for E-Waste Management in East Africa



• Global Transboundary E-Waste Flows



· Stages in the management of ICT/UEEE and ICT/e-waste



 Life Cycle Framework for E-Waste Management



 Model policy framework for the management of ICT/ewaste



Compatibility of the frameworks with Design Principles

Many of the frameworks are country agnostic and include the whole value chain, but few are simple and practical or cover exhaustive government levers











5/8 3/8

Target Audience









3 Global 1 EU 3 Africa 1 China

KEY TAKEAWAYS

- The existing frameworks do not completely fulfill the DCO ambitions, objectives, and aim and the guiding principles → Design a tailored new framework
- Frameworks with more than one dimension provide great structure and insights for the audience → Combine 2+ elements (e.g. value chain and instruments)
- Many frameworks focus already on planning, maintenance and monitoring → Don't focus on the implementation approach, as this is already covered extensively



www.dco.org

In The Third Step, The E-Waste Management Framework Was Designed Based On Insights From Existing Frameworks, Benchmarking, And Current-State Assessments Conducted.

Process for E-Waste Management Framework Development

Define The Fundamentals Of The E-Waste Management Framework.

Benchmark Best Practices And Existing Frameworks.

03

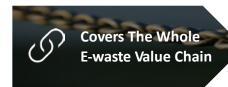
Design The E-Waste Management Framework.



We Took the Guiding Principles and Desired Characteristics, including Differentiating Factors, to Design the Framework.

Development of Framework Layers

Guiding Principles



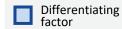








Desired characteristics



- Maps government mechanisms exhaustively across the whole value chain.
- Brings together **national and cross-border considerations** in an integrated framework.
- Looks beyond policies to provide comprehensive coverage of government-driven mechanisms, including capability building and private sector enablement.
- Derives content from best practices and encourages countries to identify relevant mechanisms for implementation based on their current state.
- Clearly structured, including no more than two dimensions to ensure comprehensibility, and provides specific guidance for actioning the framework.

Framework Layers

The first layer of the framework structure is the value chain, including import and export steps.

- The second layers of the framework consists of key elements and their dimensions.
- The third layer comprises of

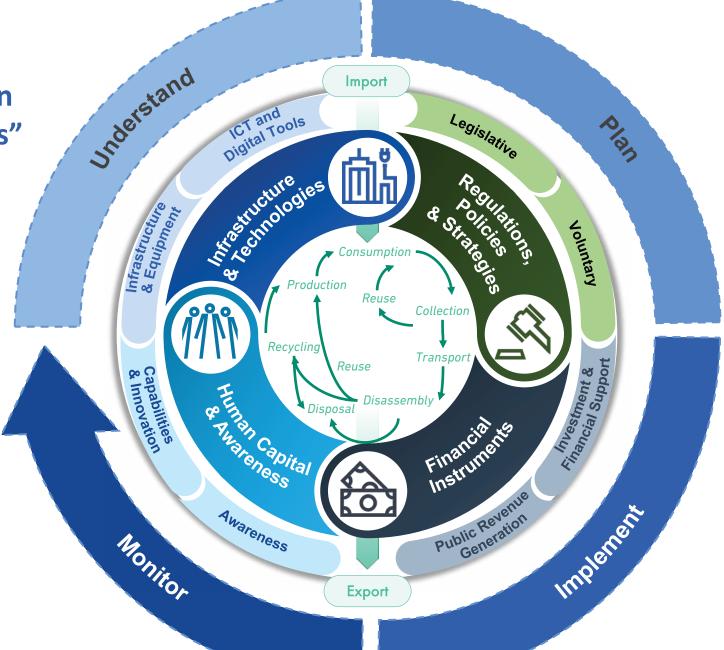
 Stages for successful implementation of the Framework is detailed.



www.dco.org



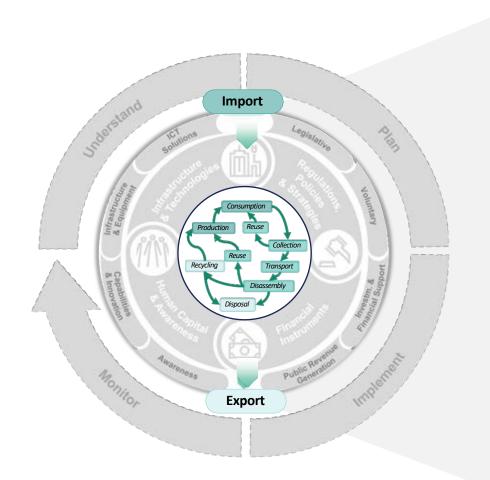
"E-Cycle In Action For Governments"





The Value Chain phases, and their related aspects describes the ten key steps that governments need to consider to improve e-waste management

Value Chain Layer: Overview

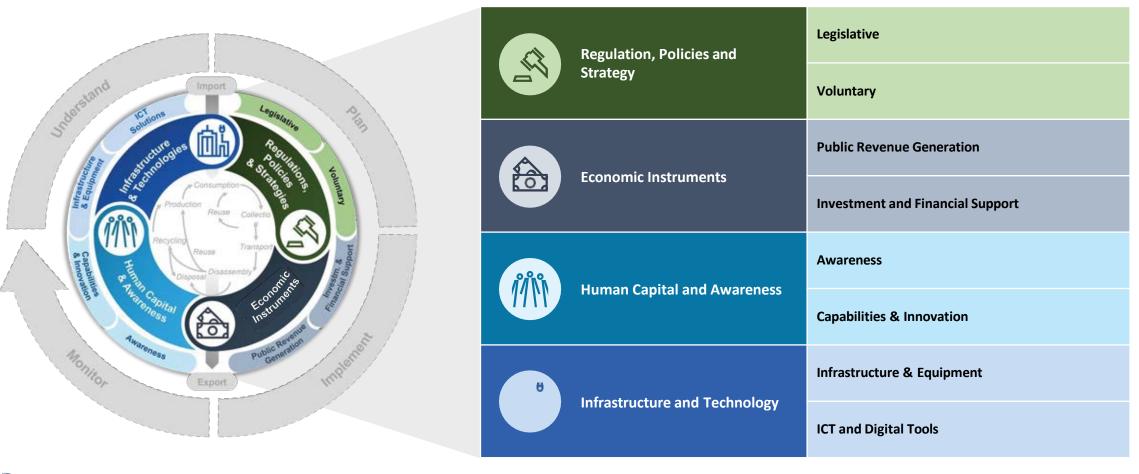


E-waste Generation	Import	Cross-border import of used-EEE or e-waste			
	Production	Production of new EEE, including manufacturing, import and distribution			
	Consumption	Purchase and use of EEE by consumers			
E-waste Processing	Collection	Collection of discarded or end-of-life EEE for further processing			
	Transport	Movement of collected e-waste to treatment or recycling facilities			
	Reuse	Refurbishment or redeployment of used-EEE for continued use			
	Disassembly	Separation of e-waste into its component parts			
E-waste End-of-life	Recycling	Recovery of materials from e-waste, and reintegration into manufacturing			
	Disposal	Disposal of non-recyclable waste in landfills or through incineration			
	Export	Cross-border shipment of e-waste or recovered materials			



The framework four Key elements, and their associated aspects focuses on government mechanisms to support national and cross-border e- waste management

Key Elements: Overview











The "Regulations, Policies & Strategies" Component Establishes A Regulatory Framework For E-Waste Management That Guides Stakeholder Behavior.

Regulation, Policies and Strategy - Overview

Regulations, Policies & Strategies

This Component defines a regulatory framework for e-waste management by implementing both legislative and voluntary mechanisms to shape stakeholder actions throughout the value chain.

Legislative Mechanisms are mandatory directives issued by authorities, including regulations, policies, mandatory standards, international conventions, and bilateral agreements to ensure compliance and safety throughout the e-waste value chain.

Voluntary Mechanisms provide recommended practices, including strategies and guidelines, encouraging alignment with policy objectives and promoting responsible behavior without legal enforcement.

Regulations, Policies & Strategies are important for:

- **Providing strategic direction** on e-waste management systems and targets, placing responsibility for e-waste management on producers.
- Ensuring compliance and safety in e-waste management.
- **Guiding sustainable practices and setting standards** across the e-waste value chain steps and processes.
- **Defining the authority and responsibilities** of the relevant ministries and regulators, as well as the roles of other institutions (NGOs, private sector, etc.)
- Facilitating international cooperation to improve global recycling rates.

Success Factors



Clearly Define E-Waste And Its Governance Across Institutions And Stakeholders.



Develop Frameworks In Collaboration With Stakeholders (Both Local And
International Private And Social Sectors).



Implement Necessary
Systems And Allocate
Resources For Enforcement.



Ensure Alignment With International Conventions And Foster Bilateral Agreements.











The "Financial Instruments" Component Establishes Investment And Funding Mechanisms To Support E-Waste Management Through Revenue Generation And Targeted Financial Support.

Financial Instruments - Overview

Financial Instruments

This Component creates investment and funding mechanisms to support e-waste management, facilitating revenue generation and targeted financial support to promote sustainable practices throughout the value chain.

Public Revenue Generation mechanisms create funds through taxes, tariffs, and fees to support e-waste management initiatives, ensuring a sustainable financial base for national e-waste management.

Investment and Financial Support mechanisms offer incentives like tax breaks, grants, loans, and direct investment, promoting industry participation in sustainable e-waste management practices.

Financial Instruments are important for:

- **Generating public funds** to sustain e-waste management systems, channeling the cost of e-waste management upstream in the value chain.
- Influencing and incentivizing behavior across the e-waste value chain, from producers to recyclers, aligned with e-waste management goals.
- Focusing on the step of the value chain with the biggest bottleneck.
- **Directing and incentivizing private investment** in e-waste management systems, fostering innovation and efficiency.
- Supporting social sector involvement in e-waste management.

Success Factors



Strike Balance Between Taxes And Investments, To Avoid The Burden On The Formal Sector And Incentivize E-Waste Flow Through The Informal Channels.



Maximize Private Investment Through Incentives And Funding Towards The Step Of The Value Chain With The Biggest Bottleneck.



Use Financial Incentives To Promote Environmentally
Sustainable Behavior, Encouraging The Flow Of E-Waste From
The Informal To The Formal Sector.













The "Human Capital & Awareness" Component Focuses On Building Human Capital Across The Value Chain, And On Raising Awareness Among Both Consumers And Businesses.

Human Capital and Awareness - Overview

Human Capital & Awareness

This Component prioritizes capability and skills development guidance for e-waste stakeholders across the value chain, while also raising awareness among consumers and businesses about the importance and urgency of e-waste management.

Capabilities & Innovation mechanisms foster skill development, support innovation, and strengthen capacity across sectors, equipping stakeholders to effectively manage e-waste.

Awareness mechanisms inform consumers and businesses in the formal and informal sectors on the environmental impacts of e-waste and promote responsible disposal practices.

Human Capital & Awareness are important for:

- **Developing capacity and capabilities**, through institutions and human capital, to manage the e-waste management system.
- Changing consumer and business consumption and disposal practices.
- **Empowering the informal sector,** potentially integrating it in the formal value chain.
- **Promoting and supporting innovation** across the steps of the value chain.
- **Building necessary skills** for growth and environmentally sound practices in the e-waste management sector.

Success Factors



Build And Train Necessary Government Capacity To Oversee E-Waste Management Initiatives.



Set Up Long-term Awareness Campaigns For Consumers And Businesses To Boost Collection Rates And Increase Feedstock Supply.



Collaborate Internationally For Knowledge-Sharing And Capability Building.



Run Initiatives Collaboratively With Private And Social Sectors, Enabling Innovation.











The Infrastructure And Technology Component Establishes the Physical and Digital Infrastructure and Technology Necessary for Efficient E-Waste Management.

Infrastructure and Technology - Overview

Infrastructure & Technology

This Component builds the essential physical and digital infrastructure, alongside technological tools, to enable effective e-waste management and support data-driven monitoring.

Infrastructure & Equipment includes essential facilities and tools, such as collection points, recycling technologies, and hazardous waste handling systems to support safe e-waste processing.

ICT and **Digital tools** utilize digital tools for monitoring, compliance, data management, transparency, accountability, and streamlined operations across the e-waste lifecycle.

Infrastructure & Technology are important for:

- Streamlining and enhancing e-waste collection, processing, sorting, and recycling to increase efficiency to improve environmental impacts by integrating advanced technologies in the processing and end-of-life steps.
- Enabling data sharing and global collaborations thereby supporting datadriven decision-making through centralized tracking and reporting systems, data analytics, and harmonized regulatory compliance.
- Improving safe disposal practices with specialized equipment to handle hazardous materials responsibly.
- Facilitating public awareness and engagement by making e-waste disposal accessible, leveraging digital platforms for awareness campaigns, and enabling communities to participate actively in proper e-waste management.

Success Factors



Map Value Chain Bottlenecks And Strategically Invest

To Address Constraints.



Prioritize The Development Of Collection Systems Before Investing In Specialized Recycling Facilities, Ensuring Alignment Between Capacity And Feedstock.



Assess Local Infrastructure Costs Versus Outsourcing To Regional Hubs

To Leverage Economies Of Scale, Particularly For Specialized Processing.



Select Context-appropriate Technology, Emphasizing Manual Processing For Job Creation Where Relevant.

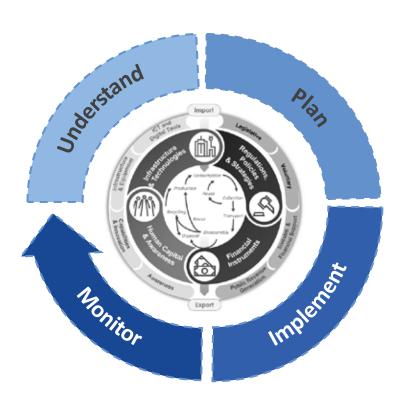






To Use The Framework, A Four-step Approach Is Recommended To Ensure Effectiveness In Enhancing Up Efforts On E-Waste Management And Guiding Change In Diverse Contexts.

E-Waste Management Framework: Application Guide



UNDERSTAND

• Develop a clear picture of the current state of the e-waste management value chain and wider ecosystem in the country and set up systems for continued monitoring of the e-waste flows, their impact, and the effectiveness of the current mechanisms.

PLAN

3

• Define desired outcomes and identify key Components (and subsequent mechanisms) to create change, consulting stakeholders, including the private and informal sectors.

IMPLEMENT

• Implement initiatives linked to Components identified in the planning stage through communication, execution, and enforcement.

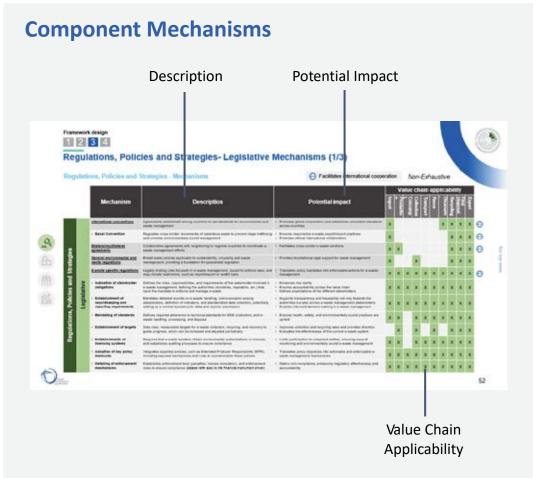
MONITOR

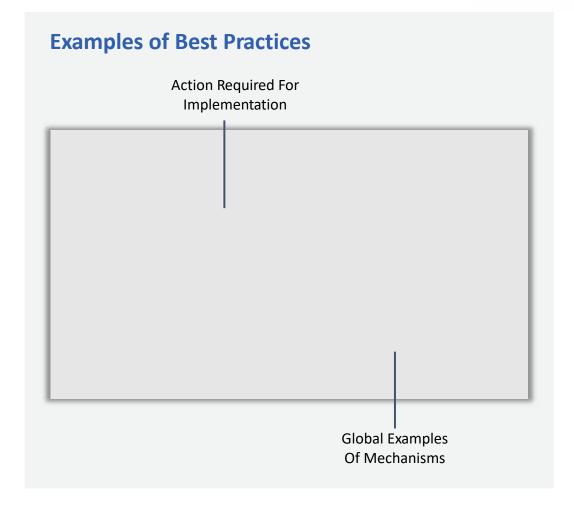
• Collect data to enable continuous assessment of initiatives' impact and refine approaches, leveraging technologies and tools, and providing visibility of stakeholders in the e-waste value chain.



Potential Mechanisms within each Component are listed, with a Description, Potential Impact, Applicability across the Value Chain, Actions for Implementation, and Global Examples.

Overview of Framework Structure







In the Fourth Step, the E-Waste Management Framework was Developed Based on Insights from **Existing Frameworks and Findings from Benchmarking and Current State Assessments.**

Process for E-Waste Management Framework Development

Define The Fundamentals Of The E-Waste Management Framework.

Benchmark Best Practices And Existing Frameworks.

Design The E-Waste Management Framework.

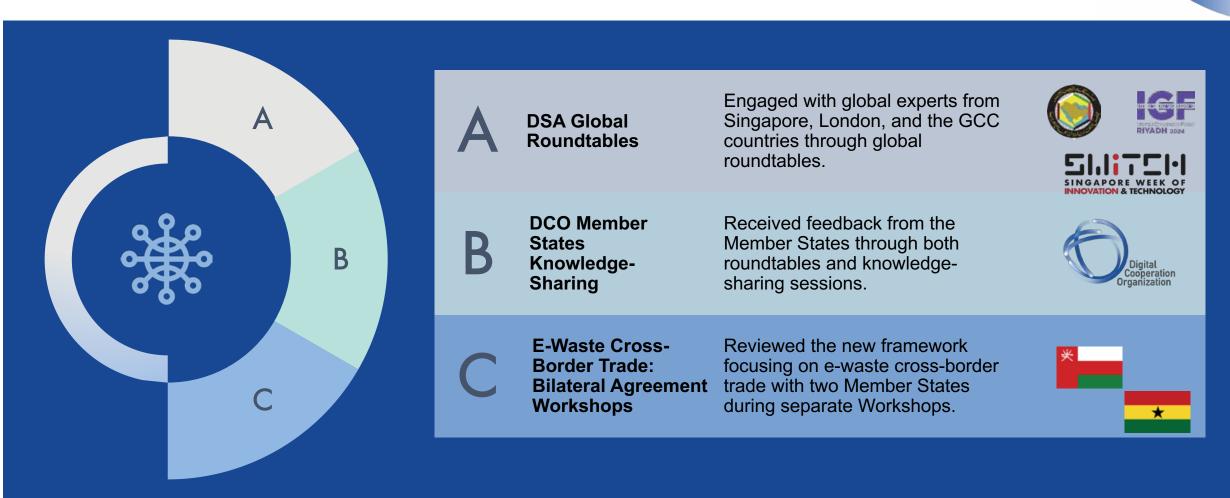
Validate the Framework through Global Roundtables and Review it with **DCO Member States**





We Validated the New "E-Cycle In Action For Governments" Framework with Global Experts through four Roundtables and Reviewed it with DCO Member States.

Activities to Validate the New DCO E-Waste Framework



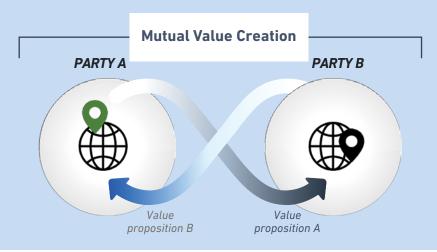


A Bilateral Agreement is Defined as a Commitment between two Member States to Exchange E-Waste or Enhance E-Waste Management

Overview of Partnership/Bilateral Agreement

 $\widehat{(i)}$ Overview of Possible partnerships or bilateral agreement for Cross-border E-Waste Management

The partnerships or bilateral agreement will be a formal document between two parties from the DCO Member States (e.g., government and/or corporate entities) to promote e-waste trade, investment, and/or capability building in the e-waste management – it creates *mutual value* based on the unique strengths of both parties.



Example





In 2016, the government of Ghana formed partnership with the German Federal Ministry for Economic Cooperation and Development to promote environmentally sound disposal and recycling of e-waste¹



Bilateral Agreements: Designing an E-Waste Trade Agreement Requires Alignment With a Partner **Country that Complements National Priorities and Offers Potential for Mutual Benefit.**

The Recommended Actions For The Development of a Bilateral Agreement for E-Waste Trade









Evaluate national needs for e-waste import (e.g., shortage of feedstock for recycling facilities) or export (e.g., lack of domestic recycling facilities)



Select a partner country that can address these needs, with priority given to nearby countries to minimize the footprint of e-waste transport



Ensure compatibility and compliance with both national regulations and international conventions, including the Basel Convention



Develop a mutually beneficial agreement that supports both countries' e-waste management goals





Cross-border E-Waste Management - Bilateral Agreement

Core Articles of a Draft Bilateral Agreement for E-waste Trade

AGREEMENT BETWEEN THE GOVERNMENT OF THE UNITED STATES OF AMERICA AND THE GOVERNMENT OF MALAYSIA CONCERNING THE TRANSBOUNDARY MOVEMENT OF HAZARDOUS WASTES FROM MALAYSIA TO THE UNITED STATES

The Government of the United States of America (the United States) and the Government of Malaysia (Malaysia), hereinafter referred to as 'the Parties'.

Recalling the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal the Basel Conventions:

Recalling Article 4(5) of the Basel Convention, which provides that a party shall not permit hazardous wastes to be exported to a non-party;

Recalling also Article 11(1) of the Basel Convention, which provides that, notwithstanding Article 4(5), a party may enter linto an agreement with a non-party provided that such agreement does not derogate from the environmentally sound management of hazardous wastes as required by the Convention and that such agreement stipulates provisions not less environmentally sound than those provided for by the Convention;

Have agreed as follows:

ARTICLE 1 DEFINITIONS

For purposes of this Agreement:

(a) 'competent authority' means, in the case of the United States, the U.S. Environmental Protection Agency and in the case of Malaysia, the Malaysian Department of Environment of the Ministry of Science, Technology and the Environment.

CORE ARTICLES OF THE AGREEMENT

- Scope and Definitions: Delineates the types of electronic waste covered under the agreement and provides definitions (hazardous waste, etc.) to ensure mutual understanding between the parties
- **Obligations of the Parties:** Outlines the responsibilities of each party, incl. commitments to minimize e-waste generation, enforcing domestic laws, and prevent illegal transboundary movements of e-waste
- Transboundary Movement Procedures: Establishes protocols for e-waste import and export, including prior informed consent procedures, documentation standards, and reimporting obligations to facilitate legal transparent movements
- Alignment with International Agreements: Clarifies that the terms of the agreement should not override each party's obligations to existing or future international agreements, such as the Basel Convention (Environmentally Sound Management standards etc.)
- Information Exchange and Cooperation: Encourages the sharing of information related to e-waste management practices, technologies, and policies, and promotes collaborative efforts for improvement
- Administrative Conditions: Confirms the nature of the agreement's (1) entry into force, (2) conditions for amendment, (3) conditions for dispute settlement, (3) agreement validity and termination process



From the Validation of the E-waste Management Framework and its Review with Member States, We Derived Various Lessons Learned:

Stakeholder Engagement & Governance

It is crucial to identify the government agencies that are accountable for e-waste management and involve the leadership early in the process. Establish a clear and robust governance approach to build an effective e-waste management system.

E-waste Definition & Capability Visibility

The definition of e-waste should reflect a country's specific needs, priorities, and regulatory context. For countries that are starting the journey of e-waste management, it is difficult to identify the existing recycling and upcycling capabilities — this step is crucial, but it can take time.

Key Lessons Learned

Private-Public Collaboration & Regulations Enforcement

Government commitment is a fundamental first step to drive changes in e-waste management, an effective bilateral agreement implies the buy-in of the private sector, which will then recycle or upcycle e-waste. Moreover, strong enforcement of laws and regulations is also essential for e-waste management.



Thank You!





Scan the QR Code to Download the Framework

For Queries: siftikhar@dco.org



