Circularity: Transforming Electronics Procurement for a Sustainable Future

Join the Global Electronics Council (GEC) for a webinar on integrating sustainable procurement practices for a circular economy. The session includes insights on GEC's Purchaser Guide for Circularity and updates on the EPEAT Circularity Criteria.

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circular electronics partnership

Date: Wednesday, April 3, 2024
Time: 8 am – 9 am PDT | 11 am – 12 pm EDT | 5 pm – 6 pm CEST
Location: Virtual Event

Ralitza Naydenova
Communications & Operations Lead
CEP

Beth Eckl
Advisor, Sustainable Procurement Strategic Sourcing
OhioHealth

John Watt
Circular Procurement Consultant
International Telecommunication Union (ITU)

Bob Mitchell
Chief Executive Officer,
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Patty Dillon
VP of Criteria and Category Development
Global Electronics Council

Kaushik Ramakrishnan
Senior Director, Strategic Growth
Global Electronics Council

Chatham House Rule

Participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed

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Housekeeping

- All participants are muted by default
- To ask a question to a speaker or panelist, please enter it into the Q&A panel of the video conference interface
- The meeting moderator will ensure questions are either answered through a video conference interface or live during moderated panels
- If we aren't able to answer all questions during the webinar, GEC staff will follow up with the participant afterward

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Sustainability for a Connected Future

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CIRCULARITY: TRANSFORMING ELECTRONICS PROCUREMENT FOR A SUSTAINABLE FUTURE

3 April 2024

Agenda & Panelists

Welcome & Introduction

Bob Mitchell

GEC
Chief Executive Officer

Update on EPEAT Circularity Criteria

Patricia (Patty) Dillon

GEC
Vice President, Criteria and Category Development

CEP Partnership and Roadmap

Ralitza Naydenova

CEP
Communications & Operations Lead, Circular Electronics Partnership

GEC Circularity Guide

Kaushik Ramakrishnan

GEC
Senior Director, Strategic Growth

ITU Circularity Guide

John Watt

ITU
Circular Procurement Consultant

Purchaser Perspective

Beth Eckl

OhioHealth
Sustainable Procurement Advisor

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Global Electronics Council

As a mission-driven nonprofit, the **Global Electronics Council** (GEC) accelerates the market for sustainable electronics.

Founded in 2006, GEC is an **independent, international & impartial nonprofit** that empowers procurement professionals and other key stakeholders through a variety of engagements & offerings, including the EPEAT, Type-1 ecolabel.

GEC Staff are located in the United States, Canada, Belgium, and The Netherlands.

Volunteer, highly diverse and non-industry representatives on the **GEC Board of Directors**.

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Sustainability for a Connected Future

Visit GEC.org

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GEC: Convening the ICT Sector & Purchasers

cep2030.org
Founding Partner

circularandfairictpact.com
Supporting Organization

cirpassproject.eu
Consortium Partner

On EPEAT Advisory Council

epa.gov/greenerproducts
EPEAT recommended

globalecolabelling.net
GEC is a Board Member

globalelectronicscouncil.org/training
Co-developed Sustainable Procurement training

www.sustainablepurchasing.org/climate-collaborative
Member & Contributor

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What Makes EPEAT Credible & Impactful

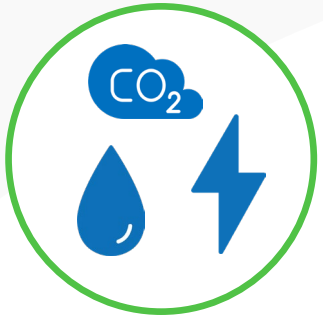
Multi-stakeholder Consultation

A cross-section of diverse stakeholders define criteria

Full Life Cycle Impacts

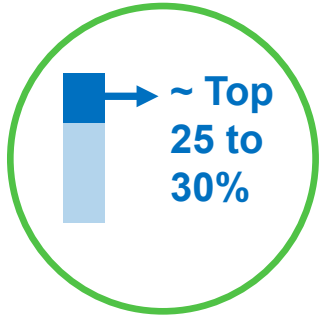
Criteria address sustainability impacts across the product life cycle from material extraction to end of life

Science-Based



Criteria focus on priority impacts, based on evaluation of available science and evidence

Leadership Performance



Criteria represent marketplace leadership with only the top 25-30% of products typically able to meet the criteria

Third-Party Verification

Independent verification ensures that products conform with criteria initially and on an ongoing basis

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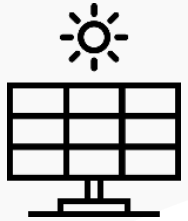
The Largest Selection of Sustainable Electronics

COMPUTERS & DISPLAYS

Desktop Computers
Integrated Desktop Computers
Monitors
Notebooks
Signage Display
Tablets/Slates
Thin Clients
Workstations

IMAGING EQUIPMENT

Printers
Copiers
Multi-Function Devices
Scanners
Fax Machines
Digital Duplicators



PHOTOVOLTAICS

Modules
Inverters

NETWORK EQUIPMENT

Routers
Switches

TELEVISIONS

SERVERS

Blade Servers
Multi-Node Servers
Pedestal Servers
Rack-Mounted Servers

MOBILE PHONES

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UPDATE ON EPEAT CIRCULARITY CRITERIA

Patricia (Patty) Dillon
Vice President, Criteria and Category Development
Global Electronics Council

EPEAT Sustainability Impact Criteria

CLIMATE

Reducing greenhouse gas emissions in the manufacturing supply chain and product use.

Climate Change Mitigation Criteria

CIRCULARITY

How products are designed for longevity, reuse and recycling, and which ones responsibly address packaging, water, and waste.

Sustainable Use of Resources Criteria

CHEMICALS OF CONCERN

Eliminating the use of toxic chemicals that are hazardous to human health and the environment.

Chemicals of Concern Criteria

RESPONSIBLE SUPPLY CHAINS

The responsible sourcing of materials, fair labor practices, and worker health and safety in the electronics supply chain.

Corporate ESG Performance Criteria

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Developing Horizontal Criteria by Sustainability Impact Area

https://globalelectronicscouncil.org/state-of-sustainability-research/

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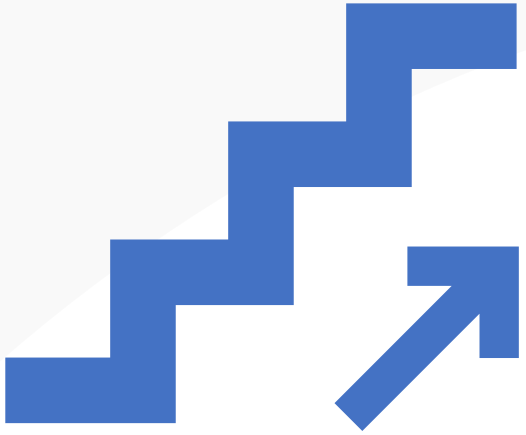
Evolving with Science, Policy and Best Practices

The Early Years (2006 – 2017)

- Product energy efficiency
- F-GHG emissions
- Recycled & biobased content plastics
- Design for recycling
- Responsible e-waste recycling
- Restrict heavy metals (lead, mercury, cadmium)



The Evolution (2018 – 2024)

- Use of renewable electricity
- Energy efficient manufacturing
- GHG science-based targets (new)
- Higher recycled content plastics
- Recycled content metals & critical minerals
- Product longevity
- Secure data deletion
- Chemical inventory & full substance disclosure
- PFASs (new)
- Manufacturing process chemicals (new)
- Fair labor & worker health and safety
- Responsible mineral sourcing

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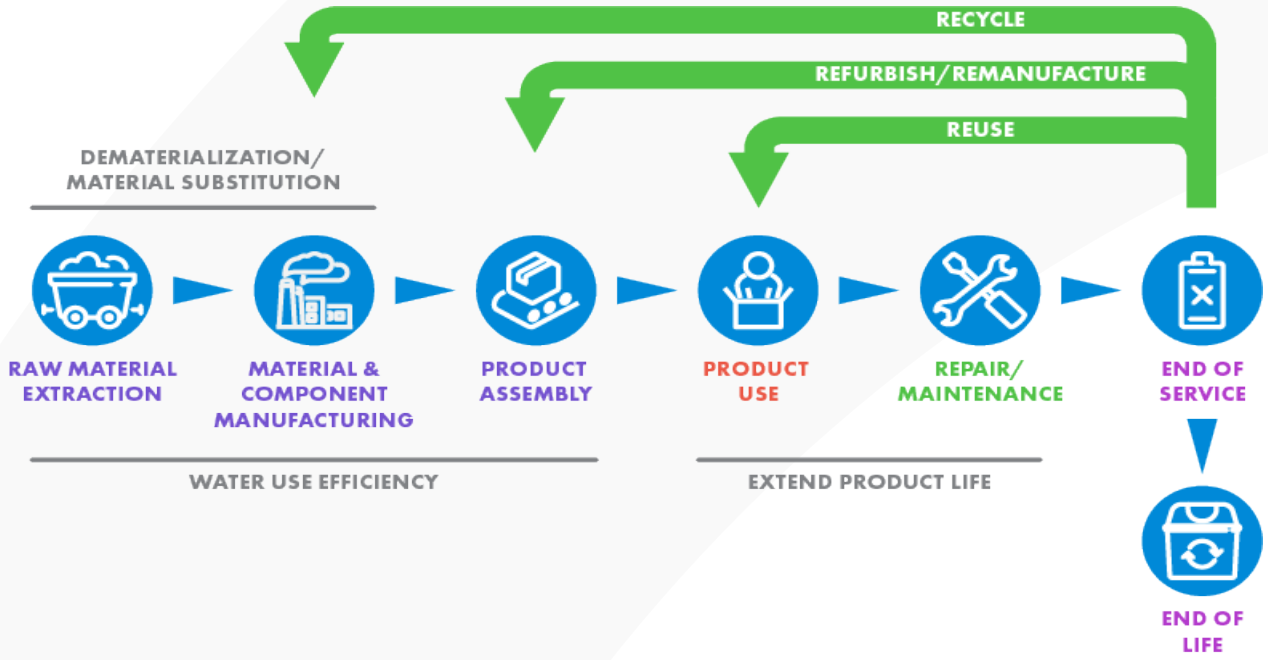
Circularity Criteria



Coming October 2024

- Use and disclosure of recycled content plastics, base metals and critical minerals/rare earth elements
- Product longevity via access to firmware/software, durability, use of long-life batteries, interoperability, secure data deletion and access to repair
- Product design for repair, reuse and recycling
- Responsible end-of-life management/recovery, reuse and recycling
- Recycled content packaging & water stewardship

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CEP PARTNERSHIP AND ROADMAP

Ralitza Naydenova
Communications & Operations Lead
Circular Electronics Partnership

Circular Electronics Partnership

Circularity: Transforming Electronics Procurement for a Sustainable Future

3 April 2024

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The need for a coordination platform

Plenty of NGOs and other organizations work with the private sector on individual projects towards circular electronics.

The risk of overlap in project objectives between initiatives is high, as well as **misalignment in project outcomes**

This is not helpful and **hampers collective progress** towards a mutual global goal of transforming the industry to a circular economy.

Coordination between initiatives is imperative

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About CEP

The Circular Electronics Partnership (CEP) is a coordination platform for its six founding partners, industry members, and the wider stakeholder network driving collective and converging action on global initiatives for circular electronics.

Partner organizations

GLOBAL ELECTRONICS COUNCIL
Sustainability for a Connected Future

GeSI ENABLING DIGITAL SUSTAINABILITY

ITU

Responsible Business Alliance
Advancing Sustainability Globally

World Business Council for Sustainable Development

WORLD ECONOMIC FORUM
COMMITTED TO IMPROVING THE STATE OF THE WORLD

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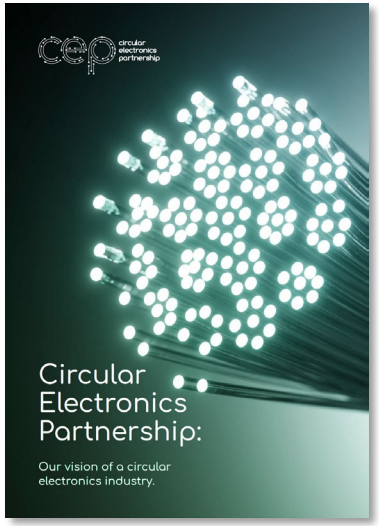
Industry vision



Download Our Vision at
www.cep2030.org

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amazon
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currys
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ERM
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Globant
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JABIL
Lenovo
Microsoft
KPMG
SIMS LIMITED
Virgin media O2

Partners

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GeSI ENABLING DIGITAL SUSTAINABILITY

ITU

Responsible Business Alliance
Advancing Sustainability Globally

WBCSD World Business Council for Sustainable Development

WORLD ECONOMIC FORUM
COMMITTED TO IMPROVING THE STATE OF THE WORLD

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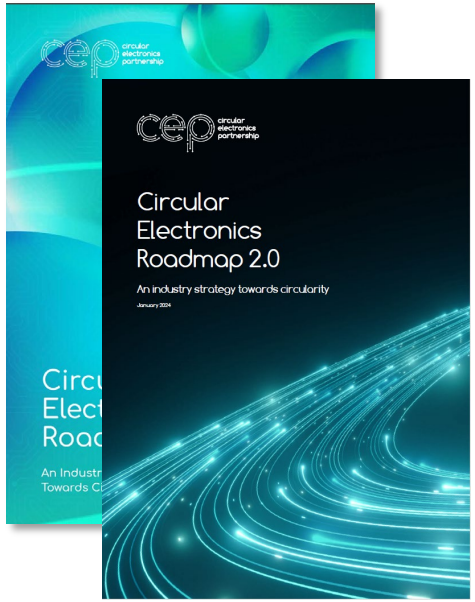
How does CEP work?

Roadmap



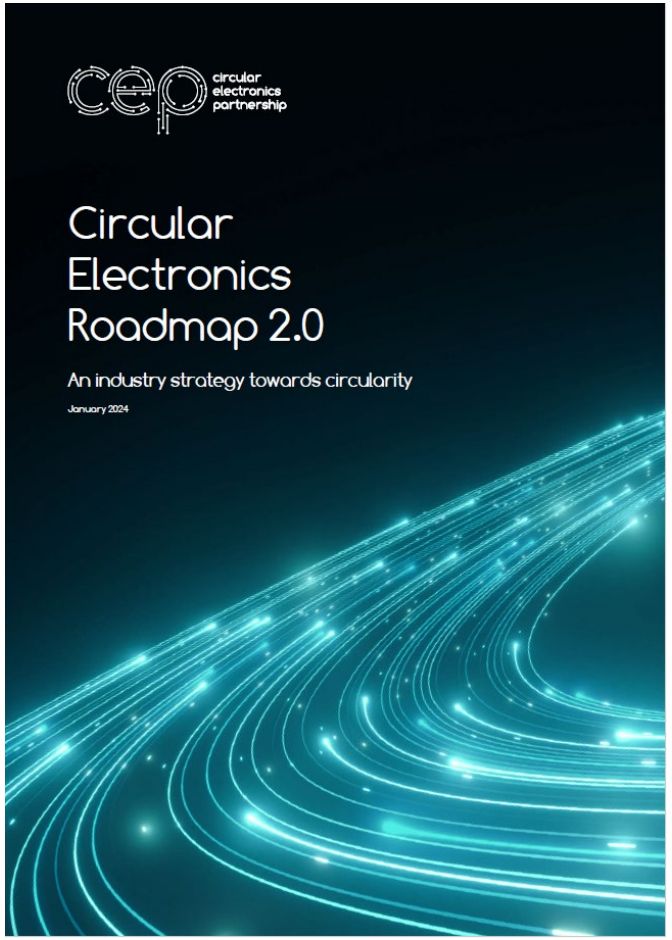
Download the CEP Roadmap at
www.cep2030.org

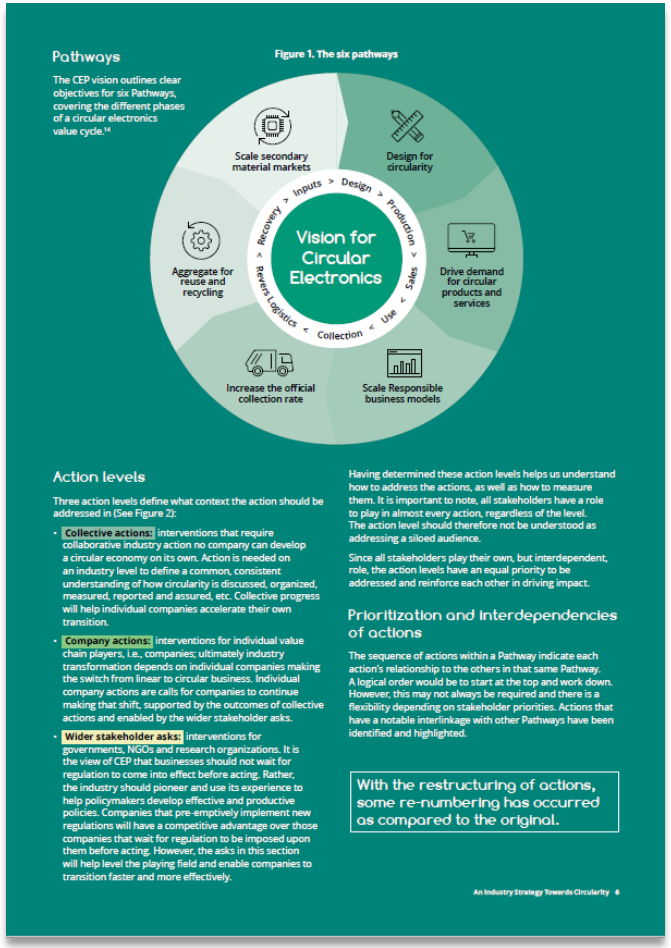
circular electronics partnership

Project dashboard

	1 | Design for Circularity	2 | Drive demand for circular products and services	3 | Scale responsible business models	4 | Increase the official collection rate	5 | Aggregate for reuse and recycling	6 | Scale secondary material markets
Collective actions	1.1 Define circular products and services	2.1 Develop guidance for circular electronics procurement	3.1 Explore consumer needs on circularity to drive demand and generate business value	4.1 Strengthen convenient take-back and collection	5.1 Accelerate progress towards the digitization of the PIC procedure under the Basel Convention	6.1 Develop data standards and definitions for secondary materials
	1.2 Set up an industry repository for circular electronics	2.2 Stimulate the circular procurement of electronics on a global scale	3.2 Consistently measure and communicate to investors about the performance of circular business models	4.2 Consolidate historic e-waste mapping an assess recoverability	5.2 Pilot "trusted trader agreements" that ease the complexity of moving waste electronics to certified recyclers	6.2 Create an EHS assurance scheme for secondary materials
	1.3 Develop and roll out tools and education for circular electronics design	2.3 Quantify and communicate the value of circular products and services	3.3 Assess the scope 3 GHG emission benefits as a result of circular solutions		5.3 Plan sorting, pre-processing and recycling operations at the regional and global level	6.3 Standardize material tracking and provide traceability and sourcing transparency
		2.4 Train and reward knowledge and the consistent application of circular procurement	3.4 Adapt accounting for circular electronics			
	0.1 Explore the implementation of value chain data exchange mechanisms to enable circularity					
Company actions	1.4 Develop and implement circular transition tools within companies	2.5 Commit to meeting the demand for circular products and services	3.5 Invest in circular business models with social and environmental impact	4.3 Engage informal actors and support their transition to formalized entrepreneurs		6.4 Commit to scale secondary material use in the long term
		2.6 Report on company circular procurement data	3.6 Utilize best practices on data sanitization	4.4 Tie take-back and collection to the business model		
			3.7 Enable repair providers and consumers to conduct appropriate repairs safely			
Wider stakeholder asks	1.5 Create an enabling environment for the sale of circular products and services	2.7 Develop and harmonize circular procurement global reporting standards	3.8 Ensure legal clarity on the liability for product defects and access to insurance for repair and refurbishment	4.5 Harmonize definitions and reporting for WEEE/EEE take-back and collection	5.4 Improve the classification of waste at borders through trade facilitation programs and capacity building	6.5 Incentivize technology investments for meeting future secondary material demand
			3.9 Enforce labor rights and enable the formalization of companies and workers	4.6 Increase public-private cooperation in the development of effective EPR regulation	5.6 Move towards an insurance model for financial guarantees	6.6 Incentivize the sale of secondary materials
					5.7 Move to an opt-out system for transit countries and allow for flexibility	

Roadmap 2.0 To be published on 15 April 2024





Pathways

The CEP vision outlines clear objectives for six Pathways, covering the different phases of a circular electronics value cycle.[14]

Figure 1. The six pathways

Action levels

Three action levels define what context the action should be addressed in (See Figure 2):

- **Collective actions:** interventions that require collaborative industry action no company can develop a circular economy on its own. Action is needed on an industry level to define a common, consistent understanding of how circularity is discussed, organized, measured, reported and assured, etc. Collective progress will help individual companies accelerate their own transition.
- **Company actions:** interventions for individual value chain players, i.e., companies; ultimately industry transformation depends on individual companies making the switch from linear to circular business. Individual company actions are calls for companies to continue making that shift, supported by the outcomes of collective actions and enabled by the wider stakeholder asks.
- **Wider stakeholder asks:** interventions for governments, NGOs and research organizations. It is the view of CEP that businesses should not wait for regulation to come into effect before acting. Rather, the industry should pioneer and use its experience to help policymakers develop effective and productive policies. Companies that pre-emptively implement new regulations will have a competitive advantage over those companies that wait for regulation to be imposed upon them before acting. However, the asks in this section will help level the playing field and enable companies to transition faster and more effectively.

Having determined these action levels helps us understand how to address the actions, as well as how to measure them. It is important to note, all stakeholders have a role to play in almost every action, regardless of the level. The action level should therefore not be understood as addressing a siloed audience.

Since all stakeholders play their own, but interdependent, role, the action levels have an equal priority to be addressed and reinforce each other in driving impact.

Prioritization and Interdependencies of actions

The sequence of actions within a Pathway indicate each action's relationship to the others in that same Pathway. A logical order would be to start at the top and work down. However, this may not always be required and there is a flexibility depending on stakeholder priorities. Actions that have a notable interlinkage with other Pathways have been identified and highlighted.

With the restructuring of actions, some re-numbering has occurred as compared to the original.

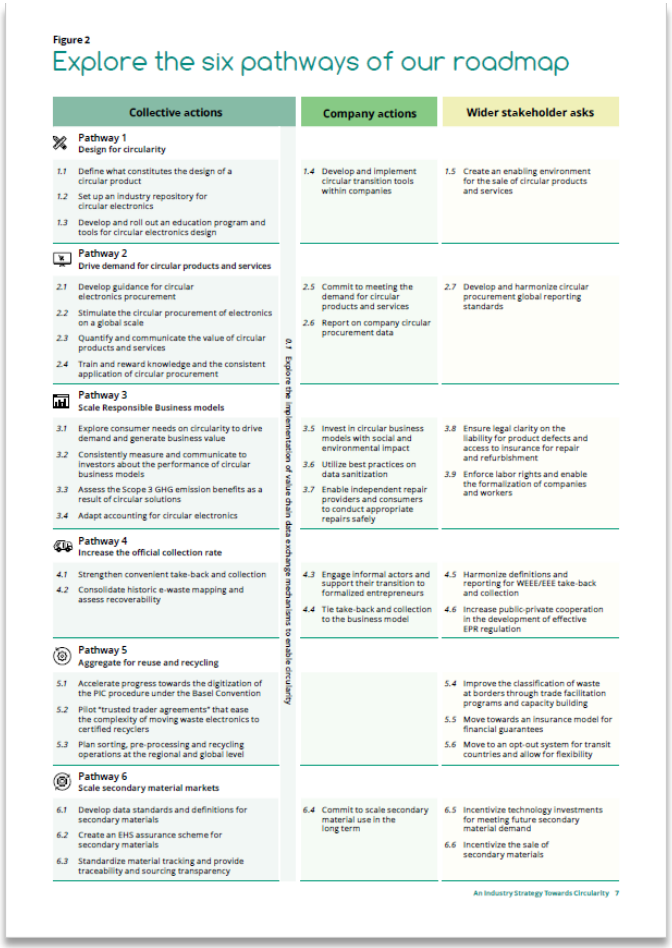


Figure 2

Explore the six pathways of our roadmap

Collective actions	Company actions	Wider stakeholder asks
Pathway 1 Design for circularity		
1.1 Define what constitutes the design of a circular product	1.4 Develop and implement circular transition tools within companies	1.5 Create an enabling environment for the sale of circular products and services
1.2 Set up an industry repository for circular electronics		
1.3 Develop and roll out an education program and tools for circular electronics design		
Pathway 2 Drive demand for circular products and services		
2.1 Develop guidance for circular electronics procurement	2.5 Commit to meeting the demand for circular products and services	2.7 Develop and harmonize circular procurement global reporting standards
2.2 Stimulate the circular procurement of electronics on a global scale	2.6 Report on company circular procurement data	
2.3 Quantify and communicate the value of circular products and services		
2.4 Train and reward knowledge and the consistent application of circular procurement		
Pathway 3 Scale Responsible Business models		
3.1 Explore consumer needs on circularity to drive demand and generate business value	3.5 Invest in circular business models with social and environmental impact	3.8 Ensure legal clarity on the liability for product defects and access to insurance for repair and refurbishment
3.2 Consistently measure and communicate to investors about the performance of circular business models	3.6 Utilize best practices on data sanitization	3.9 Enforce labor rights and enable the formalization of companies and workers
3.3 Assess the Scope 3 GHG emission benefits as a result of circular solutions	3.7 Enable independent repair providers and consumers to conduct appropriate repairs safely	
3.4 Adapt accounting for circular electronics		
Pathway 4 Increase the official collection rate		
4.1 Strengthen convenient take-back and collection	4.3 Engage informal actors and support their transition to formalized entrepreneurs	4.5 Harmonize definitions and reporting for WEEE/EEE take-back and collection
4.2 Consolidate historic e-waste mapping and assess recoverability	4.4 Tie take-back and collection to the business model	4.6 Increase public-private cooperation in the development of effective EPR regulation
Pathway 5 Aggregate for reuse and recycling		
5.1 Accelerate progress towards the digitization of the PIC procedure under the Basel Convention		5.4 Improve the classification of waste at borders through trade facilitation programs and capacity building
5.2 Pilot "trusted trader agreements" that ease the complexity of moving waste electronics to certified recyclers		5.5 Move towards an insurance model for financial guarantees
5.3 Plan sorting, pre-processing and recycling operations at the regional and global level		5.6 Move to an opt-out system for transit countries and allow for flexibility
Pathway 6 Scale secondary material markets		
6.1 Develop data standards and definitions for secondary materials	6.4 Commit to scale secondary material use in the long term	6.5 Incentivize technology investments for meeting future secondary material demand
6.2 Create an EHS assurance scheme for secondary materials		6.6 Incentivize the sale of secondary materials
6.3 Standardize material tracking and provide traceability and sourcing transparency		

0.1 Explore the implementation of value chain data exchange mechanisms to enable circularity

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NEW CEP updated roadmap overview

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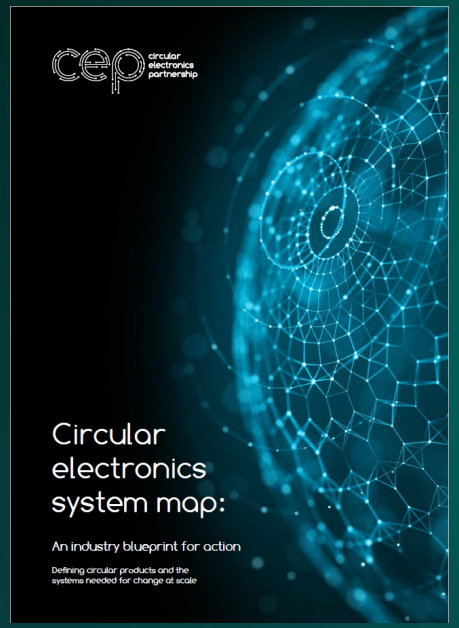
System Map| 2022
Industry Blueprint for action



Download from
www.cep2030.org
or scan:

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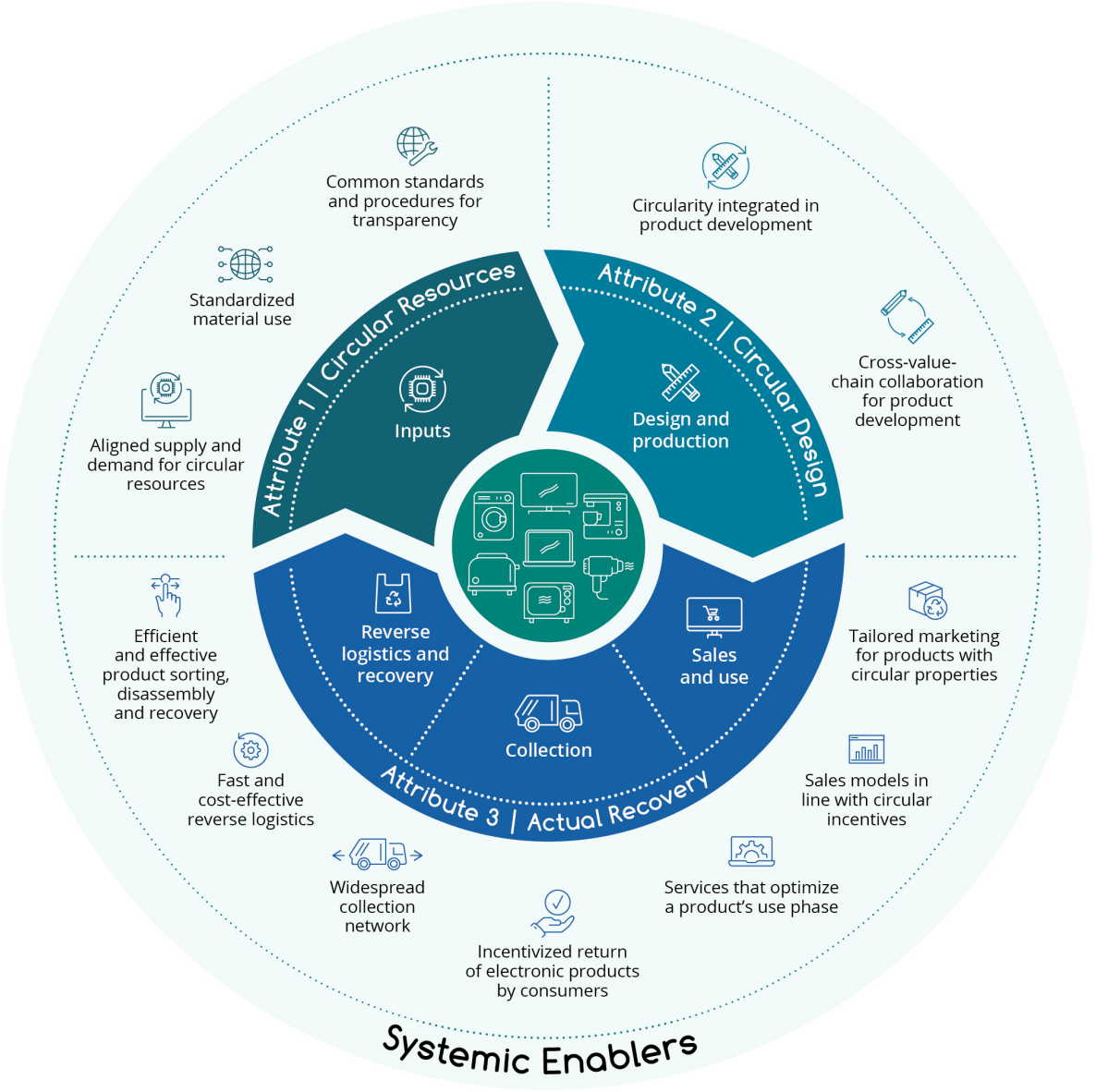
Project report resulting from roadmap action P1.1

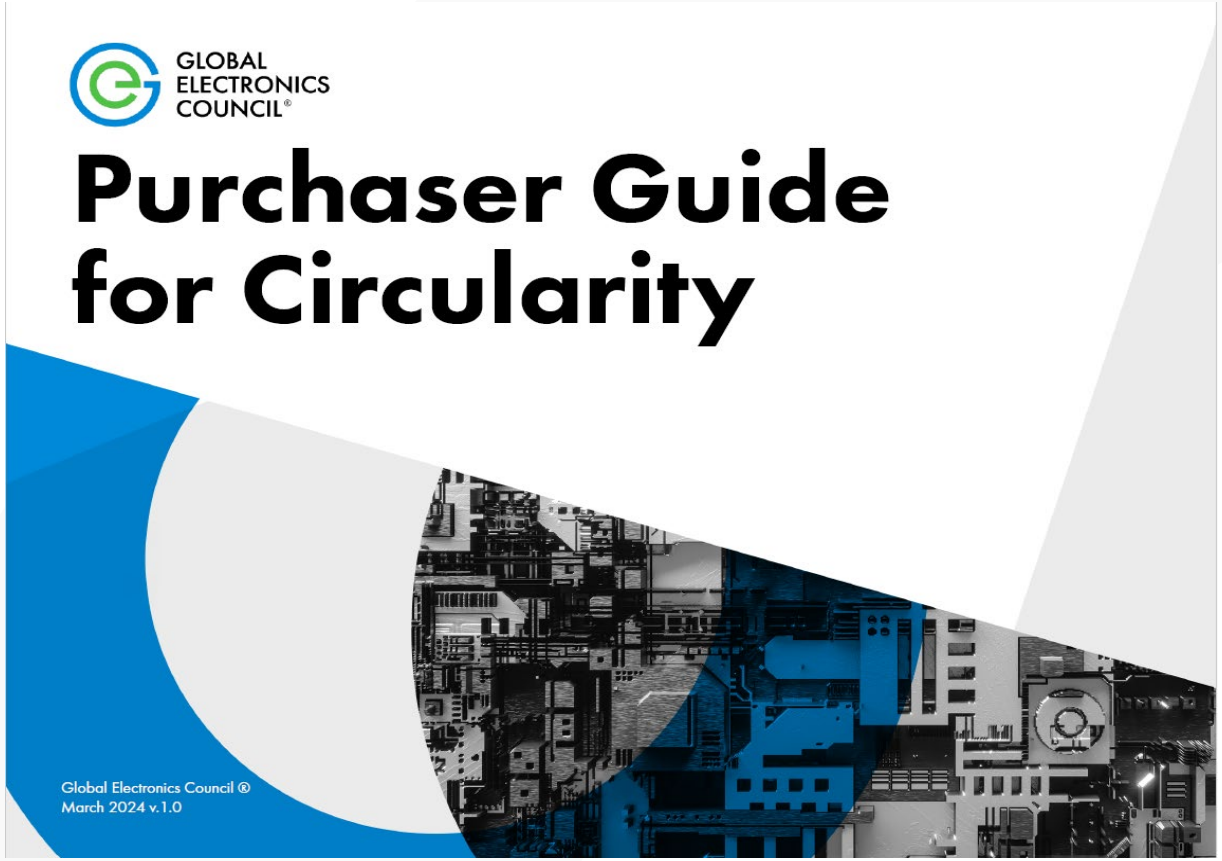
Defining circular products and the system needed for change at scale



GEC PURCHASER GUIDE FOR CIRCULARITY

Kaushik Ramakrishnan
Senior Director, Strategic Growth
Global Electronics Council

Launching the GEC Purchaser Guide for Circularity



A resource for purchasers to…

- Engage external and internal stakeholders on circularity
- Establish suitable organizational policies and procedures
- Embed circularity into ICT procurement

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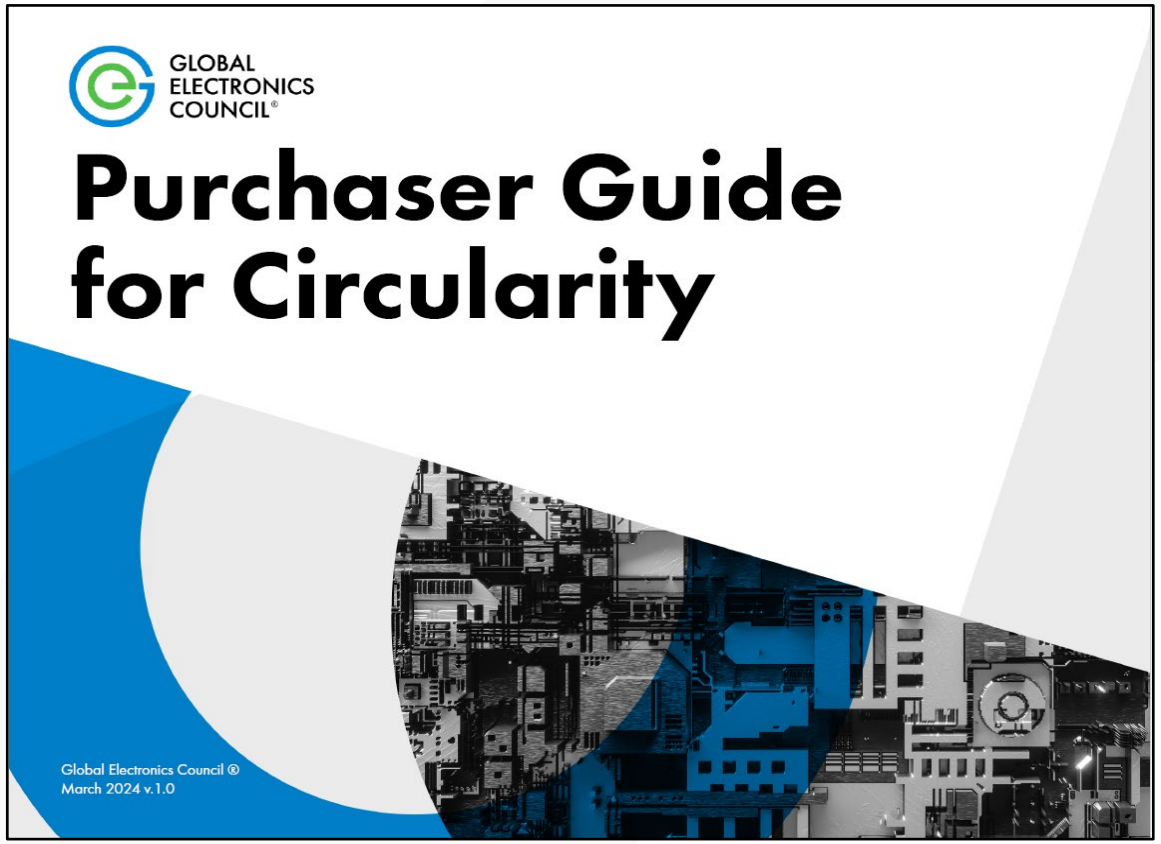
A collaborative effort through the CEP



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Leveraging the power of procurement to drive systemic change

Public procurement - a large share of the global economy:

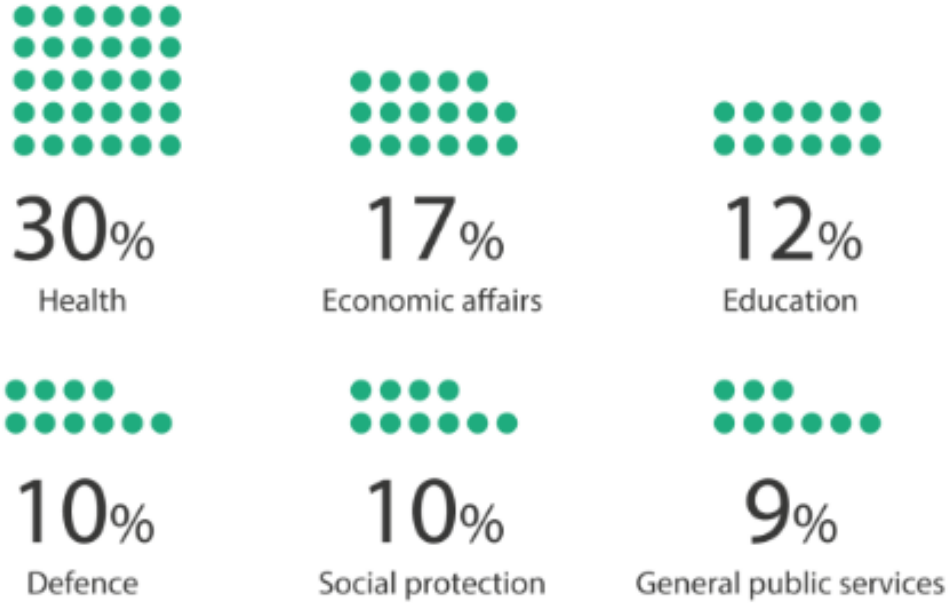
- **12% of GDP in OECD countries**
- **30% of general government expenditures**
- **63% spent at the sub-national level**

Public procurement is supporting:

- **delivery of public services to citizens**
- **achievement of broader policy goals**

Public procurement impacts many areas of public service delivery:

Share of procurement spending[3]



Source: Paulo Magina, Deputy head of division, Infrastructure and Public Procurement, OECD, 2021 ERA presentation

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Guide structured in two parts

Part 1

Part 2

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Part 1: Example

1.4 Product Attributes – Recovery of Scarce Resources

Objective: The purpose of this question is to determine if the product design allows for recovery and recycling of critical minerals and rare earth elements. Electronic products contain numerous metals and minerals that are rare or available in limited quantities across the globe, such as, lithium in batteries, gallium in semiconductors, and rare earth elements dysprosium and neodymium in magnets*. Preservation of these and other scarce global resources can be possible if sourced from recovered material streams. **See Terminology section for example list*
Question(s): Identify metals and minerals in the product considered rare or found in limited quantities, and whether sourcing for any of these minerals or metals derives from recovered materials. Are any other alternative sources of rare or critical materials expected in the manufacture of this product within the next five years?
Examples of Supporting Documentation: • Identification of rare and critical minerals and metals type and location in the product • Availability of disassembly instructions for recovery of components containing rare and critical minerals in the product • Describe the efforts to identify and/or develop alternative sources of minerals and metals for applications in this product

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Part 1: Procurement Questions & Supporting Documents

Product Attributes to Consider:

- Longevity
- Post-consumer Content
- Disassembly, Reusability and Recyclability
- Recovery of Scarce Resources
- Manufacturer Designs Enable and Do Not Hinder Secondary Material Recovery
- Sustainable Packaging Content and Readily Recyclable

Vendor Commitment and Practices:

- Renewable Energy
- Product Recovery, Reuse, and Recycling
- Closed-Loop Component and Material Recovery
- Donation Program

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Part 2: End-of-use Policies & Procedures

Sample Policy

- Responsible End-of-Use Options
- Data Security and Sanitization
- Employee Awareness and Training
- Continuous Improvement
- Reuse by Technology Product or Service Provider
- Reuse within the Organization
- Repair

- Refurbishment and Resale
- Donation
- Recycling
- Data Security and Sanitization
- Employee Awareness and Training
- Continuous Improvement
- Innovation and Collaboration

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EPEAT is a simple, credible and impactful tool to implement circularity in procurement

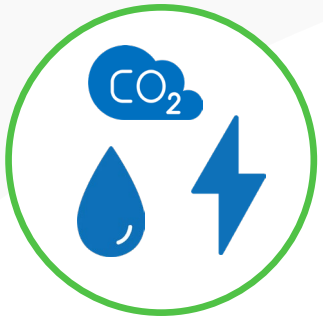
Multi-stakeholder Consultation

A cross-section of diverse stakeholders define criteria

Full Life Cycle Impacts

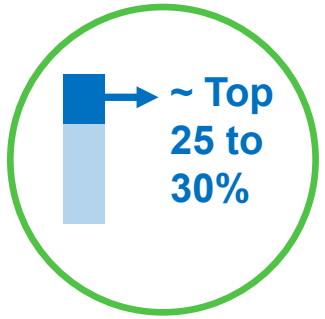
Criteria address sustainability impacts across the product life cycle from material extraction to end of life

Science-Based



Criteria focus on priority impacts, based on evaluation of available science and evidence

Leadership Performance



Criteria represent marketplace leadership with only the top 25-30% of products typically able to meet the criteria

Third-Party Verification

Independent verification ensures that products conform with criteria initially and on an ongoing basis

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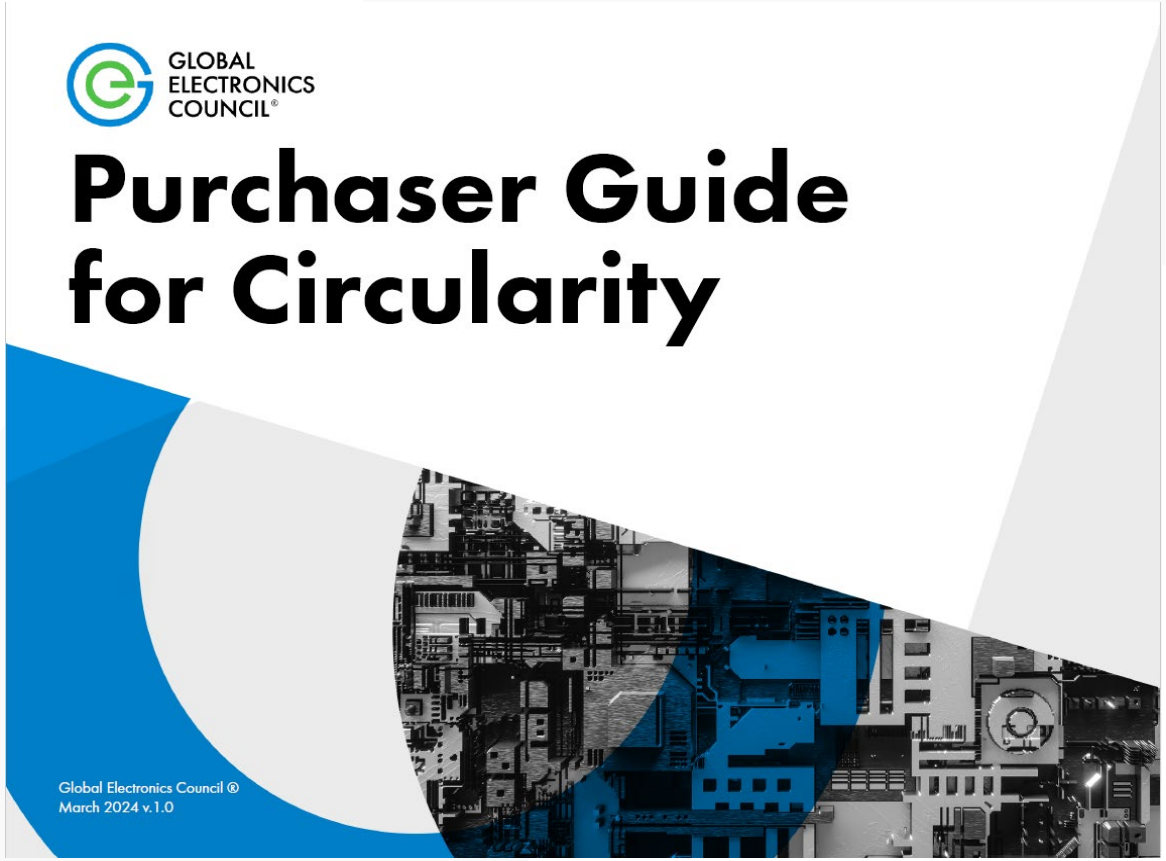
Accessing the guide



- Version 1 – available for download. Link to be sent to webinar participants
- Version 2 – Updated with references to EPEAT circularity criteria to be launched in Q4 2024

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ITU CIRCULARITY GUIDE FOR ITC GOODS FOR THE PUBLIC SECTOR

John Watt
Circular Procurement Consultant
International Telecommunication Union (ITU)

Circular and Sustainable Public Procurement ICT Guide

giz

GovStack

GLOBAL ELECTRONICS COUNCIL

Sustainability for a Connected Future

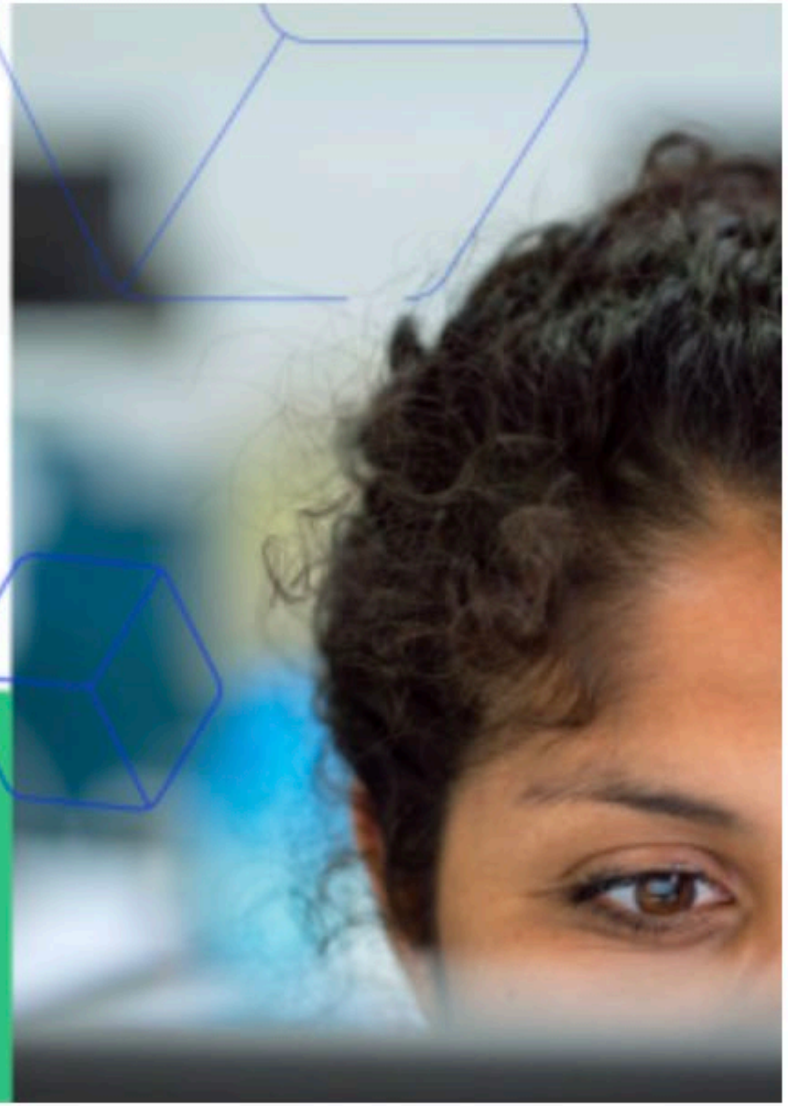
circular electronics partnership

ITU

GovStack

ITU

CIRCULAR AND SUSTAINABLE PUBLIC PROCUREMENT



Working in parallel

Within an ecosystem of resources for sustainable & circular public procurement of ICT

ITU & GovStack

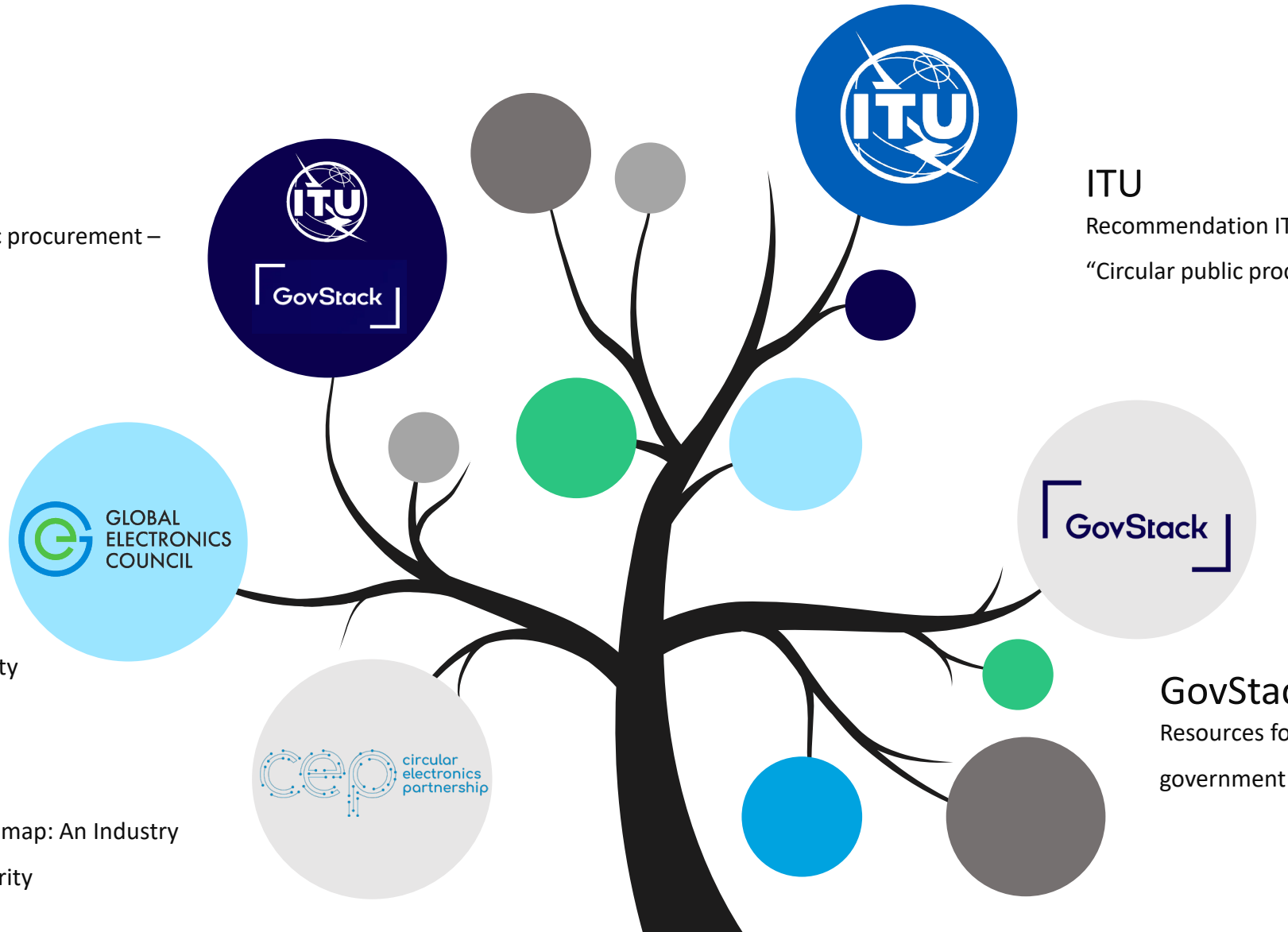
Circular and sustainable public procurement –

ICT equipment guide

ITU

Recommendation ITU-T L.1061

“Circular public procurement of ICTs”



GEC

Purchaser Guide for Circularity

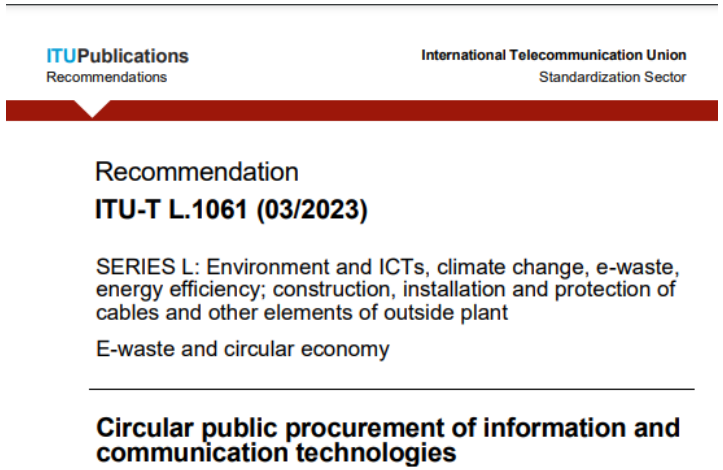
GovStack

Resources for building and promoting digital government services

CEP

Circular Electronics Roadmap: An Industry Strategy Towards Circularity

Aligning with ITU Standards


ITUPublications
Recommendations

International Telecommunication Union
Standardization Sector

Recommendation
ITU-T L.1061 (03/2023)

SERIES L: Environment and ICTs, climate change, e-waste, energy efficiency; construction, installation and protection of cables and other elements of outside plant

E-waste and circular economy

Circular public procurement of information and communication technologies

Provides a set of principles to:

- Maximize usable life
- Maximize the use of energy-efficient equipment
- Minimize any resulting amount of e-waste produced, and the adverse effects of e-waste
- Increase recyclability, thereby contributing to circular economy realization

ITU-T Recommendations

4000+ global telecom standards, approved by and widely adopted by ITU members

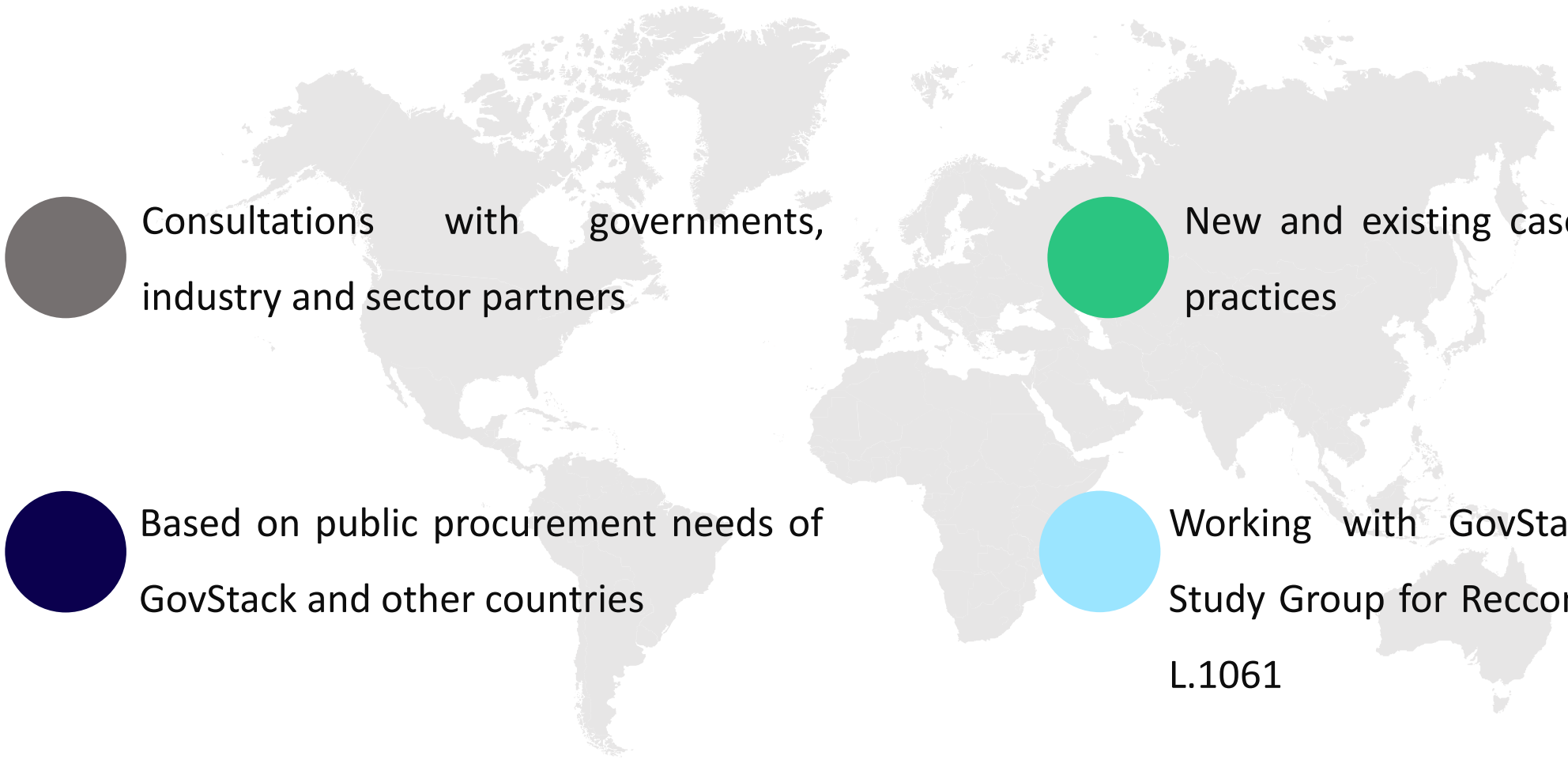
Working in parallel

Recommendation ITU-T L.1061 and Guide created at the same time

Complementary publications

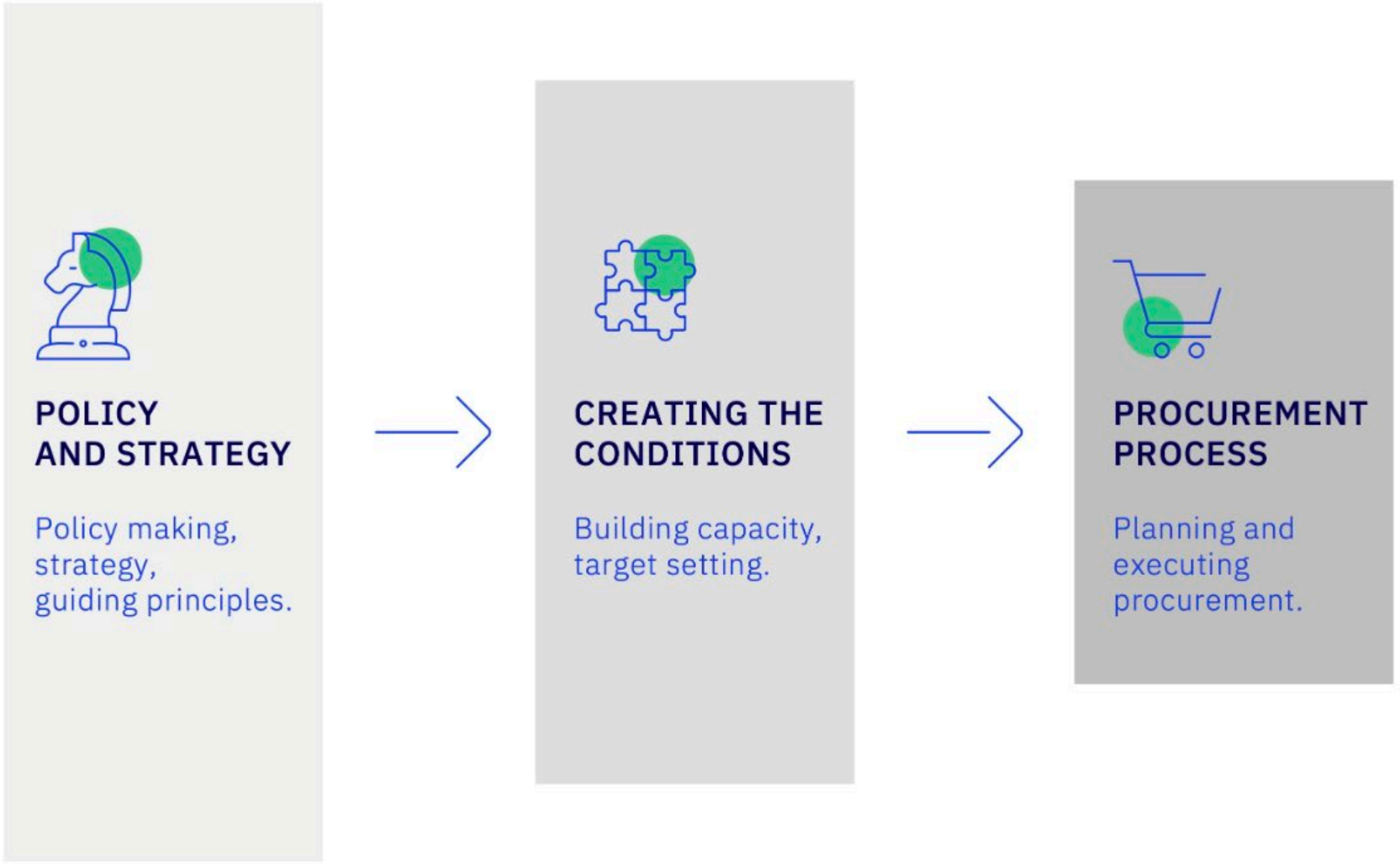
Guide serves as a “how-to” of the Recommendation and build on other resources

Method for guide development



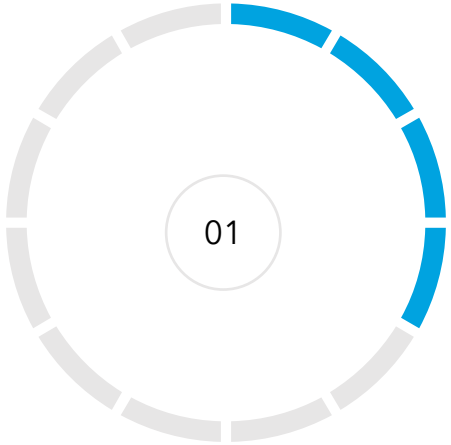
- Consultations with governments, industry and sector partners
- New and existing case studies of best practices
- Based on public procurement needs of GovStack and other countries
- Working with GovStack project and Study Group for Reccomendation ITU-T L.1061

Guide structure

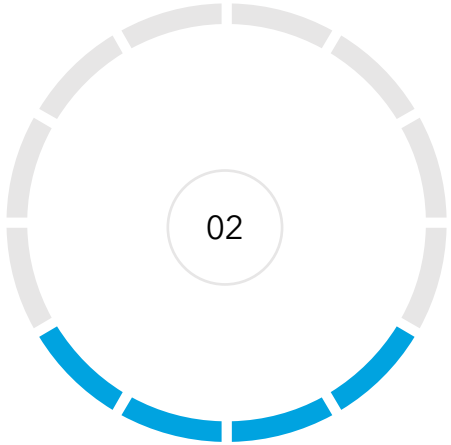


Setting the agenda for sustainable and circular ICT

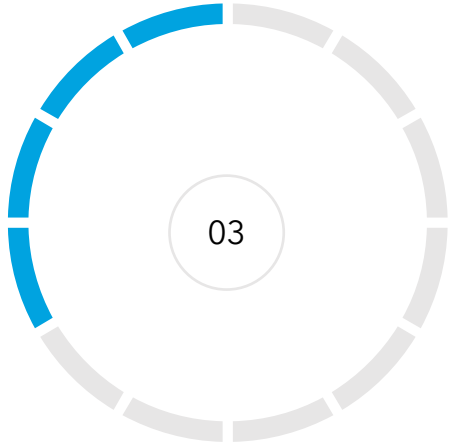
Subsections in **Policy and strategy**



Take leadership



Align goals and targets

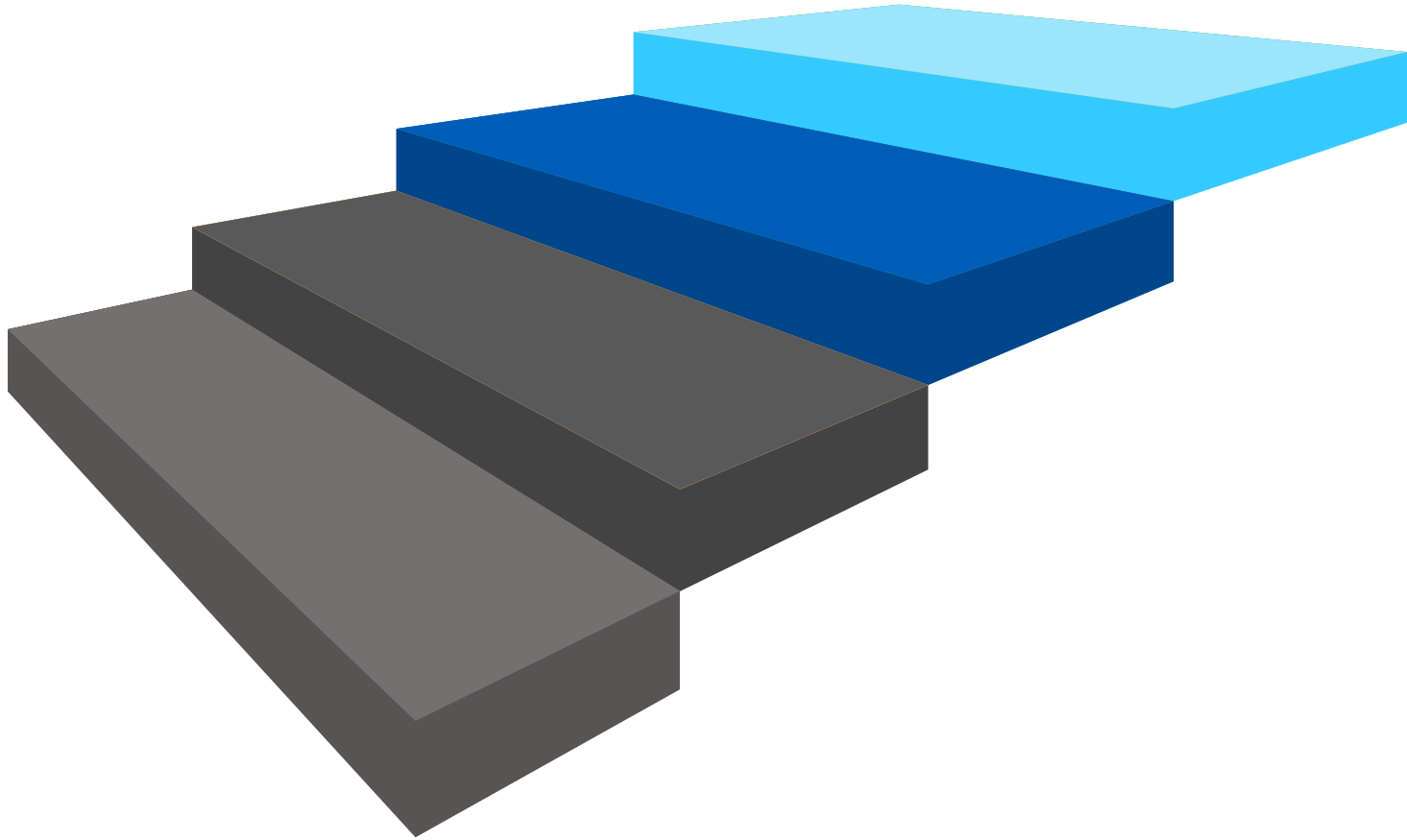


Develop a roadmap

Capacity building to make it happen

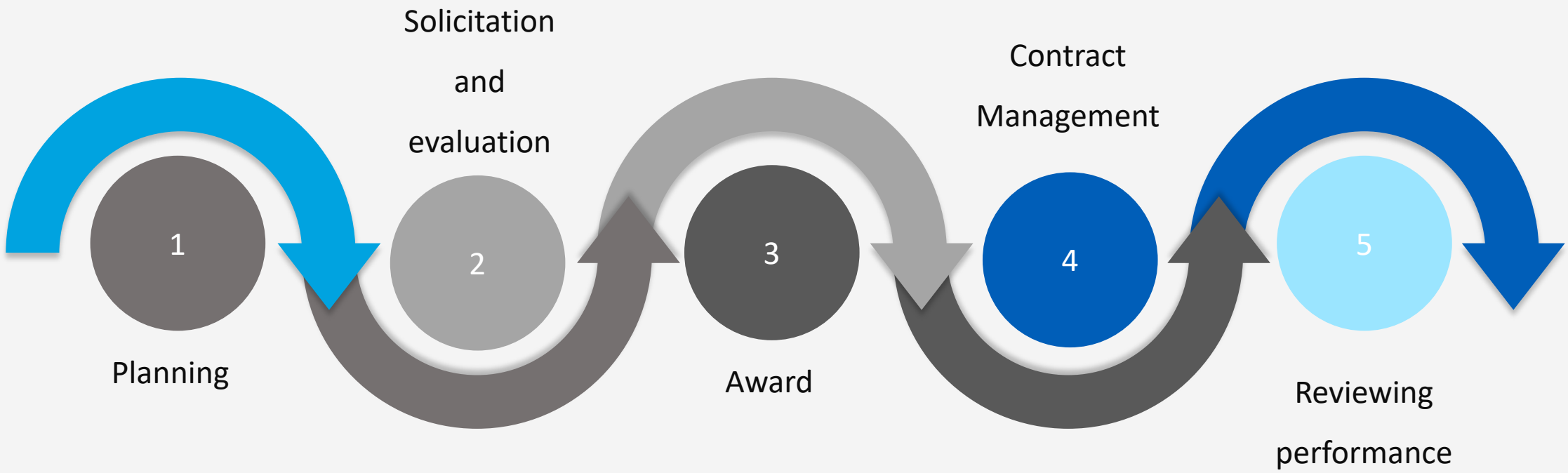
Subsections in **Creating the conditions**

- Manage the governance
- Set priorities
- Engage stakeholders

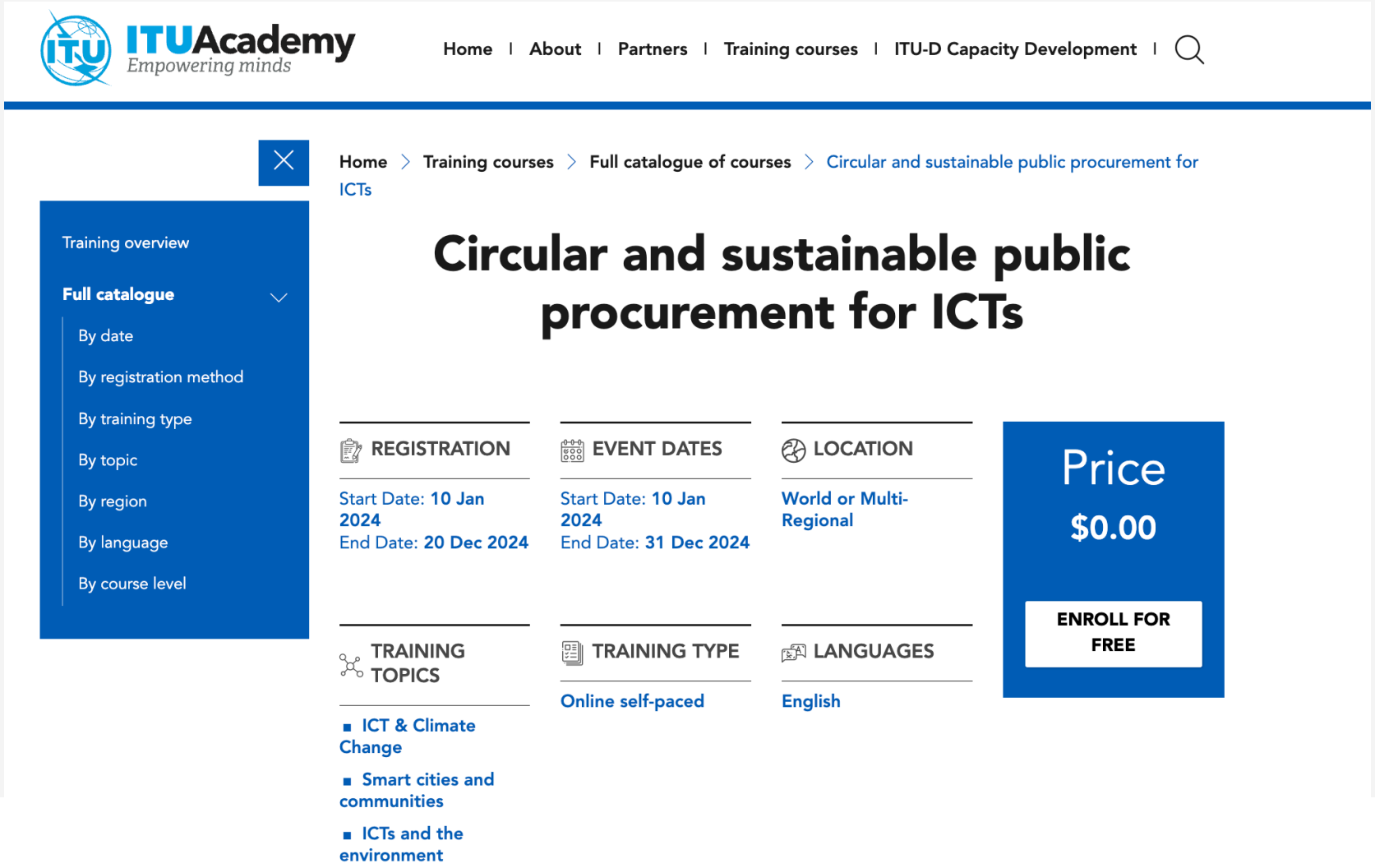


Circular and sustainable procurement on the ground

Subsections in **Procurement processes**



e-learning based on the guide



Check out our resources

Recommendation ITU-T L.1061
"Circular public procurement of ICTs"

GovStack

OHIOHEALTH
A PURCHASER PERSPECTIVE

Beth Eckl
Advisor, Sustainable Procurement Strategic Sourcing
OhioHealth Supply Chain Services
OhioHealth

Purchasing Sustainable and Circular Goods at OhioHealth

Beth Eckl, Advisor, Sustainable Procurement

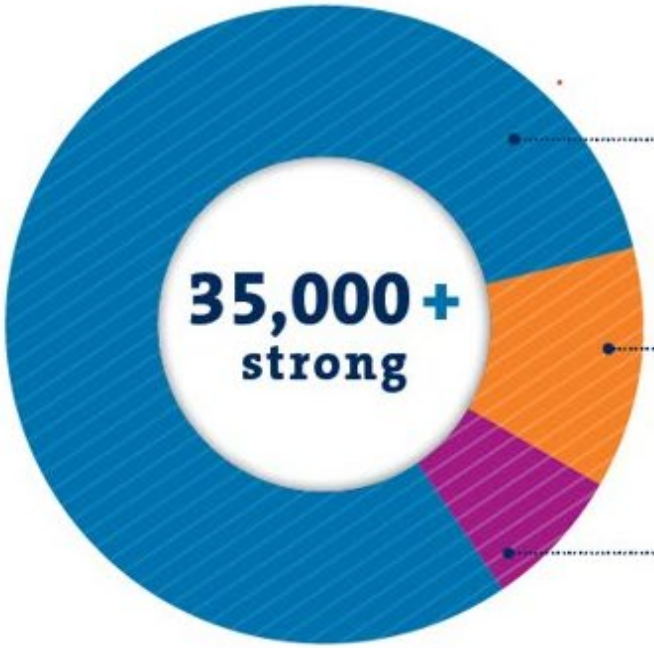
April 2024

BELIEVE IN *WE*™ OhioHealth

OhioHealth

West Ohio Conference of United Methodist Church

We are a faith-based, not-for-profit healthcare system.



30,000
ASSOCIATES

5,000
PROVIDERS

400+
RESIDENTS AND FELLOWS

1,500
VOLUNTEERS

Represents Fiscal Year 2023 Data

3.8M
OUTPATIENT VISITS

589,209
EMERGENCY VISITS

163,920
ADMISSIONS & OBSERVATIONS

120,241
SURGERIES

14,823
BIRTHS

$6 Billion
NET REVENUE

5.3%
NET OPERATING INCOME

Why Do We Care about Sustainability?

*"Climate Change is the greatest **health** threat of the twenty-first century, and also the greatest opportunity to address social determinates of health"*

-The Lancet

SUSTAINABILITY

HAS A DIRECT

IMPACT

on **human health.**

Sustainability - Our 5 Key Focus Areas

Sustainability & Circularity – Foundational Elements

- Overarching: launched a new Responsible Purchasing program in 2022
  - New sustainable purchasing policy
  - Leadership support for new purchasing standards – standardized criteria
  - Embedded sustainability into supply chain process

- Prioritized three sustainability areas in buying goods and services
  1. reducing emissions
  2. eliminating chemicals of concern
  3. conserving resources

Conserving resources/circularity – What We've Done

Reuse, recycle, donate

Close to 5 million items annually

(electronics, textiles, metals and plastics)

Electronics

1. Medical devices
2. IT devices

Textiles

3. Nurse, doctor and patient gowns
4. Sterilization wrap
5. Cubicle curtains
6. Incontinence/wound care pads
7. Scrubs
8. Baby burpees
9. Microfiber mops

Plastics

10. Sharps containers
11. Fluid management systems

Metals

12. Rigid sterilization containers

From sterilization wrap to new goods

We collect sterilization wrap for recycling

Circularity – From Food Waste to Soil Amendment

70 tons/year composted food waste supports community soil amendments

Reducing emissions – What We've Done

Specify EPEAT for electronics

Expanded into three categories

EPEAT criteria supports circularity

Reuse, recycle, donate 17,000 electronics annually

Parts harvested to reuse, refurbished for reuse

Reduces GHG emissions

Purchase over 55,000 reprocessed devices annually

Created an energy assessment questionnaire in RFPs for clinical electronic equipment

Medical devices: no energy efficiency standards or certifications

Lessons Learned

- Lack of ecolabels
- Take-back program challenges
- Drive demand
- Foster partnerships
- Utilize total cost of ownership

Contact

Beth.Eckl@OhioHealth.com

BELIEVE IN *WE*™ OhioHealth

Q&A