Circular Electronics Partnership

ITU Workshop on circular economy considerations and new technologies for combatting climate

circular electronics partnership

Your speaker today

Carolien van Brunschot

Lead CEP Secretariat

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Agenda

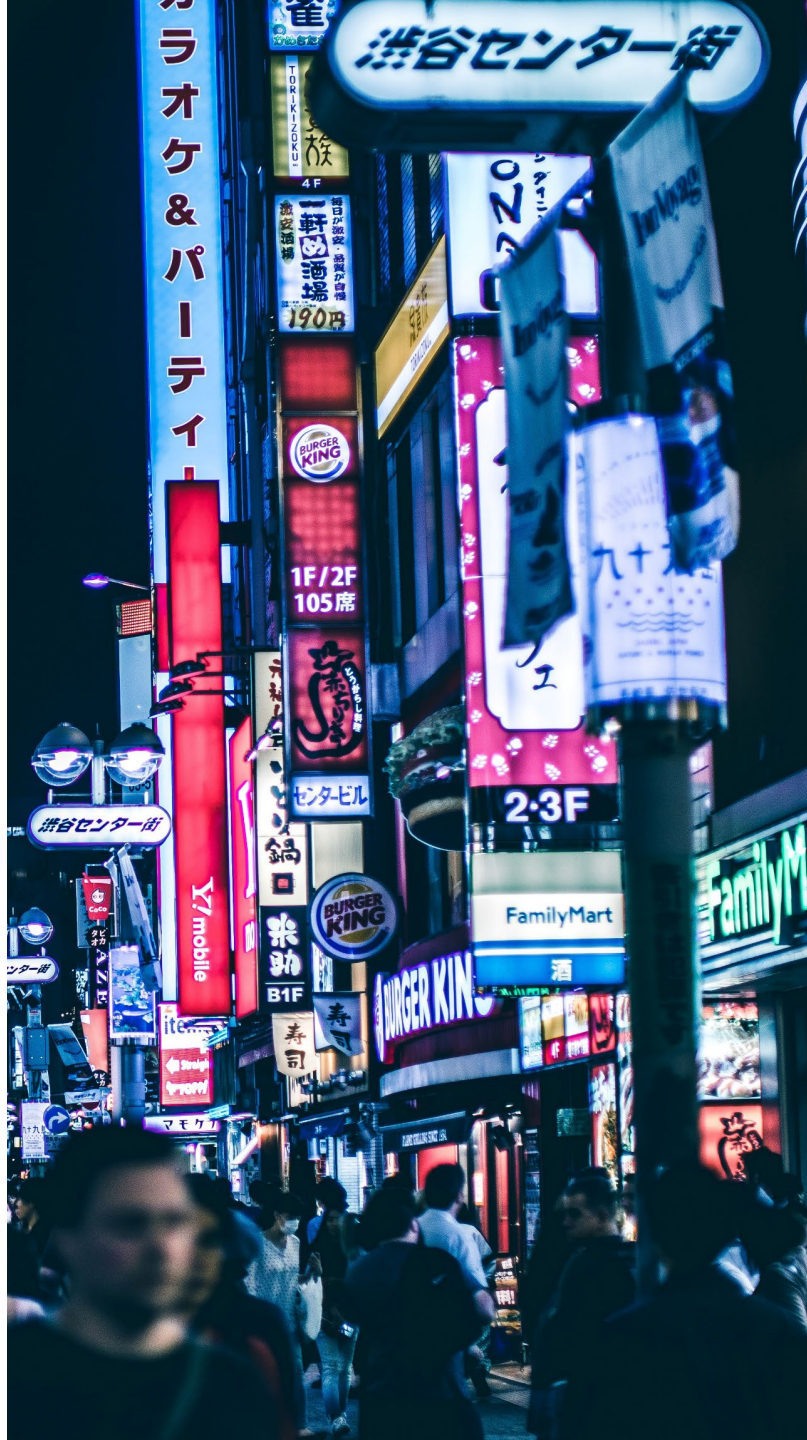
CEP **Why? | What? | How?**

Circular Electronics System Map

CEP Roadmap 2.0

Example of current projects

Q&A



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THE GLOBAL E-WASTE MONITOR 2024

Authors: Cornelis P. Baldé, Ruediger Kuehr, Tales Yamamoto, Rosie McDonald, Elena D'Angelo, Shahana Althaf, Garam Bel, Otmar Deubzer, Elena Fernandez-Cubillo, Vanessa Forti, Vanessa Gray, Sunil Herat, Shunichi Honda, Giulia Iattoni, Deepali S. Khetriwal, Vittoria Luda di Cortemiglia, Yuliya Lobuntsova, Innocent Nnorom, Noémie Pralat, Michelle Wagner

Image: Muntaka Chasant for Fondation Carmignac

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ITU
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What is CEP?

The Circular Electronics Partnership (CEP) is a coordination platform for its 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

WBCSD World Business Council for Sustainable Development

WORLD ECONOMIC FORUM

Industry vision

Download Our Vision at
www.cep2030.org

cep circular electronics partnership

2024 Members

accenture
AT&T
amazon
cisco
currys
DELL Technologies
Dustin
ERI
ERM
Sustainability is our business
GLENCORE
Globant
Google
hp
IRON MOUNTAIN
JABIL
Lenovo
Microsoft
KPMG
SIMS LIMITED
Virgin media O2

Partners

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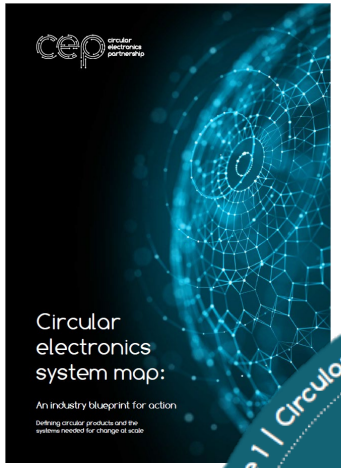
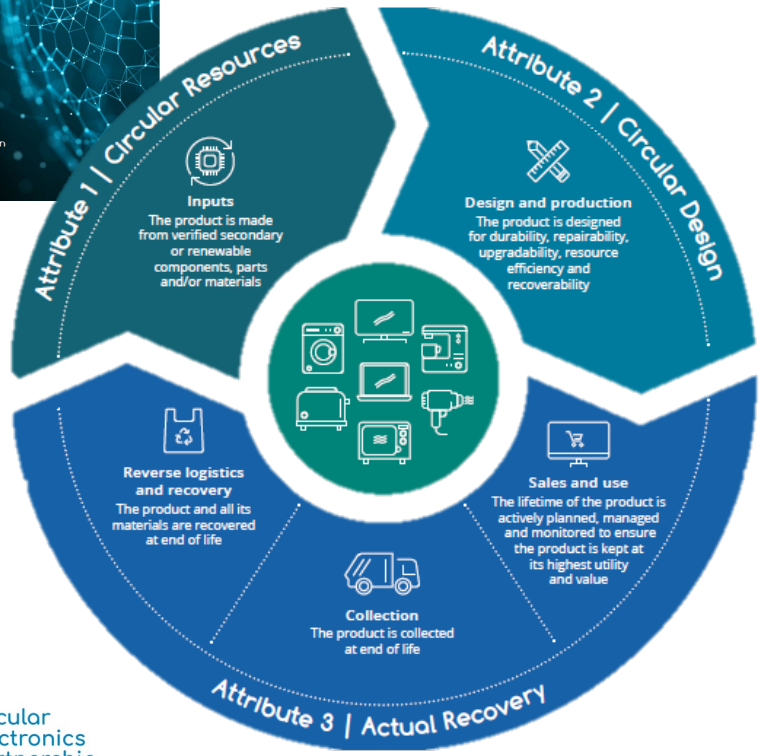
How does CEP work?

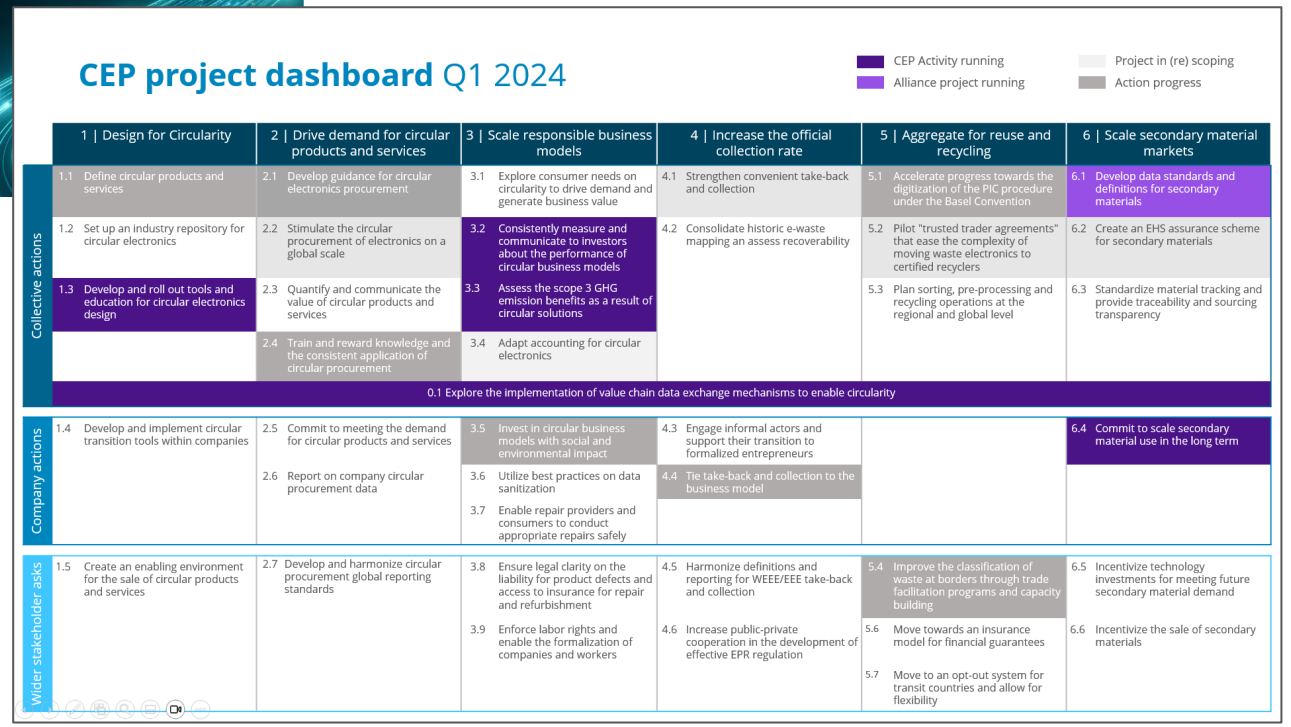
Circular Electronics System Map





Circular Electronics Roadmap 2.0

Download the CEP
System map and Roadmap at
www.cep2030.org



CEP project dashboard Q1 2024

CEP Activity running | Alliance project running | Project in (re) scoping | Action progress

	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	

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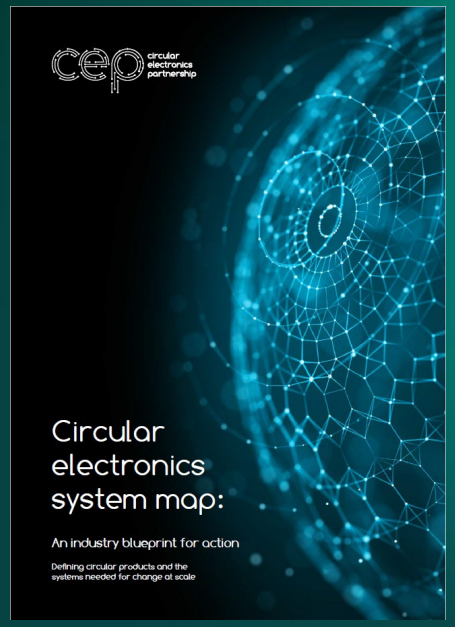
System Map

Industry Blueprint for action

Download the CEP System map



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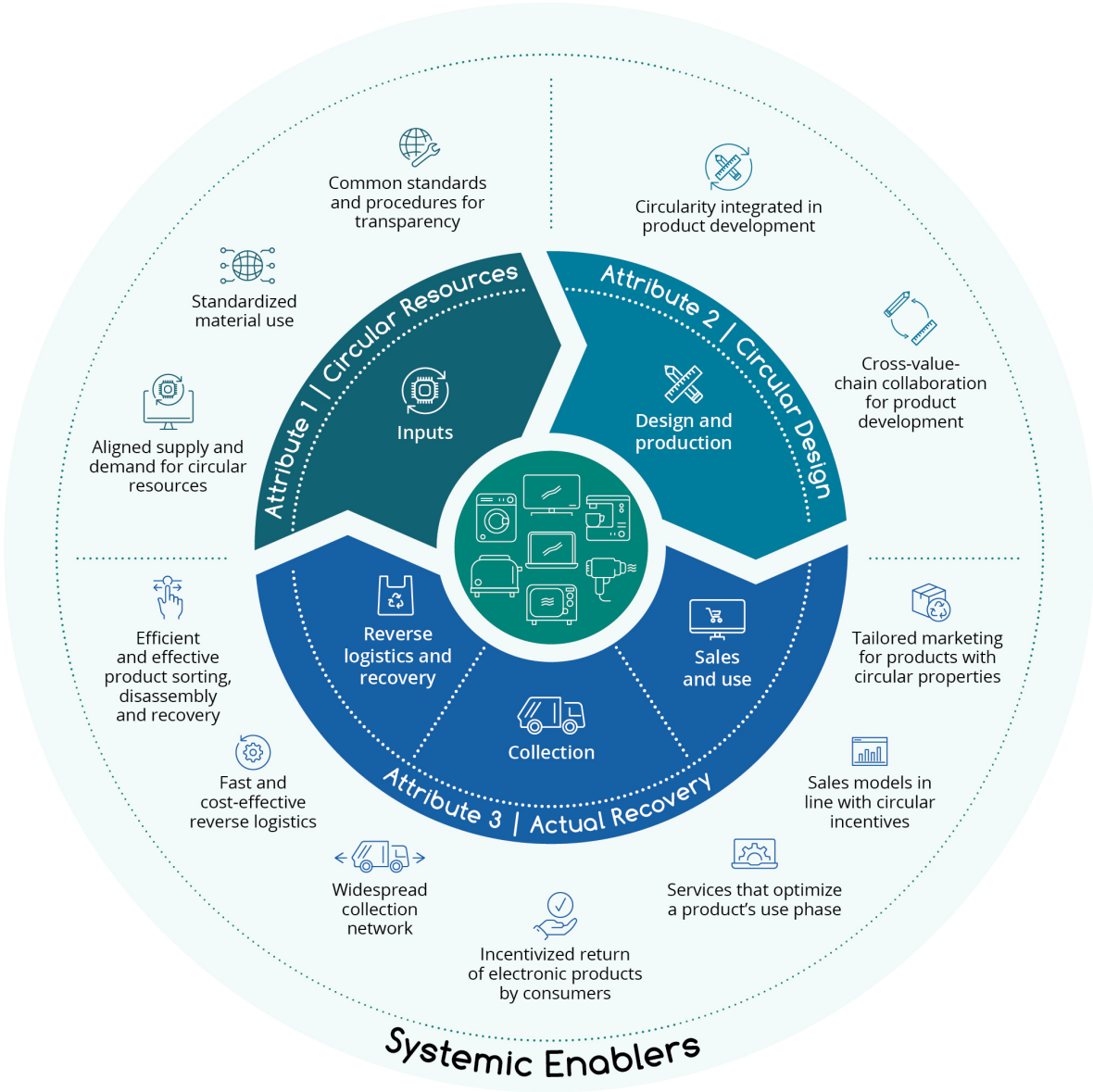

Project activation Circular Electronics Roadmap 2.0

	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 1.2 Set up an industry repository for circular electronics 1.3 Develop and roll out tools and education for circular electronics design	2.1 Develop guidance for circular electronics procurement 2.2 Stimulate the circular procurement of electronics on a global scale 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	3.1 Explore consumer needs on circularity to drive demand and generate business value 3.2 Consistently measure and communicate to investors about the performance of circular business models 3.3 Assess the scope 3 GHG emission benefits as a result of circular solutions 3.4 Adapt accounting for circular electronics	4.1 Strengthen convenient take-back and collection 4.2 Consolidate historic e-waste mapping an assess recoverability	5.1 Accelerate progress towards the digitization of the PIC procedure under the Basel Convention 5.2 Pilot "trusted trader agreements" that ease the complexity of moving waste electronics to certified recyclers 5.3 Plan sorting, pre-processing and recycling operations at the regional and global level	6.1 Develop data standards and definitions for secondary materials 6.2 Create an EHS assurance scheme for secondary materials 6.3 Standardize material tracking and provide traceability and sourcing transparency
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Company actions	1.4 Develop and implement circular transition tools within companies	2.4 Commit to meeting the demand for circular products and services 2.6 Report on company circular procurement data	3.5 Invest in circular business models with social and environmental impact 3.6 Utilize best practices on data sanitization 3.7 Enable repair providers and consumers to conduct appropriate repairs safely	4.3 Engage informal actors and support their transition to formalized entrepreneurs 4.4 Tie take-back and collection to the business model		6.4 Commit to scale secondary material use in the long term
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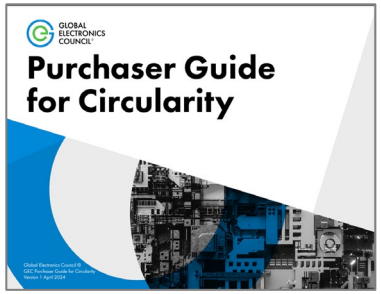
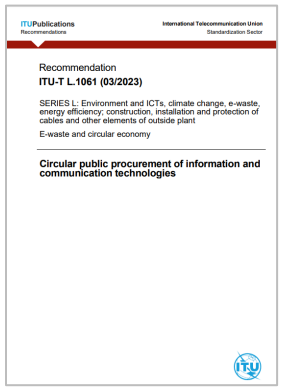
Project description COMPLETED

Sustainable public procurement can be a market driver for innovation and an enabler for a circular economy. Government agencies have been faced with the complexity of hardware (longevity, e-waste). Today, ICT software and services need to be procured – and operated - in an environmentally safe and sustainable way. This project will support that sustainable procurement.

Activities	Output	Outcome
Input on the circular and sustainable public procure ment guide. Consultation and review of the guide.	Circular and Sustainable Public Procurement Guide, standard and e-learning.	Adoption of improved procurement practices ICT/government relevant goods and services.

Project deliverables (output)





Dissemination (outcome)

Multiple launch and introduction events

ITU E-learning module for public procurement

CEP project

P2.1 Develop guidance for circular electronics procurement

(Co)Lead: ITU & GEC

Pathway Action: P2.1 & P2.5

Commencing: May 2022

Duration: 13 months

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Join us!

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Check out our **new website!**

info@cep2030.org

Get in touch