Defining circular electronics and the system needed for change at scale

CEP at the 14th Symposium on ICT, Environment, Climate Change and Circular Economy

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Your host today

Carolien van Brunschot

Lead Secretariat,

Circular Electronics Partnership

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Introduction

Circular Electronics Partnership

circular
electronics
partnership

Network of networks

Founding partners

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GLOBAL ELECTRONICS COUNCIL
Sustainability for a Connected Future

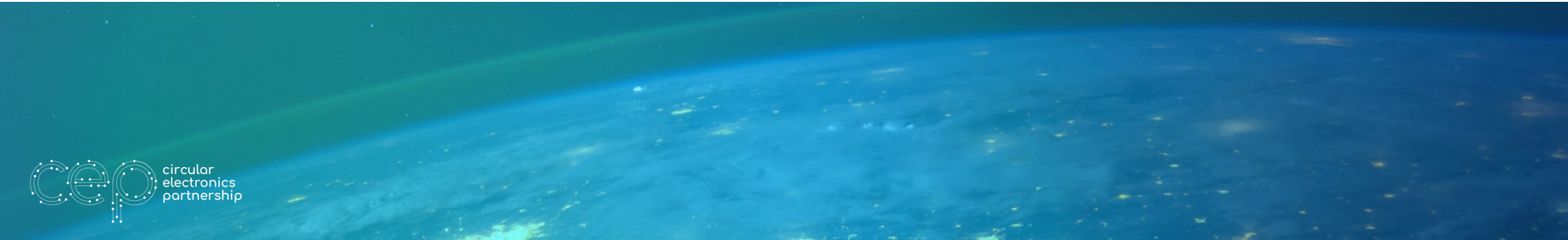
ITU

wbcsd

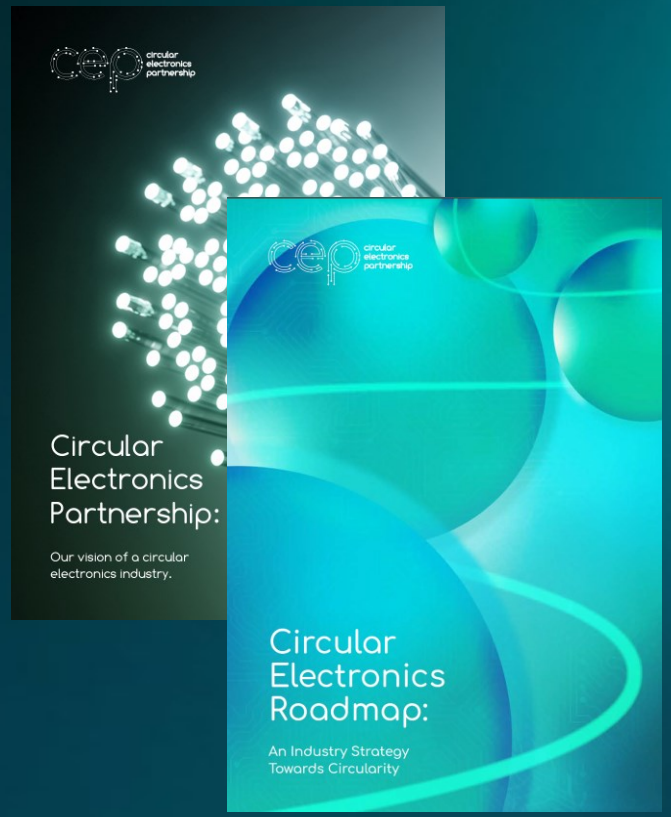
GeSI ENABLING DIGITAL SUSTAINABILITY

Responsible Business Alliance
Advancing Sustainability Globally

WORLD ECONOMIC FORUM
COMMITTED TO IMPROVING THE STATE OF THE WORLD



The Roadmap | 2021



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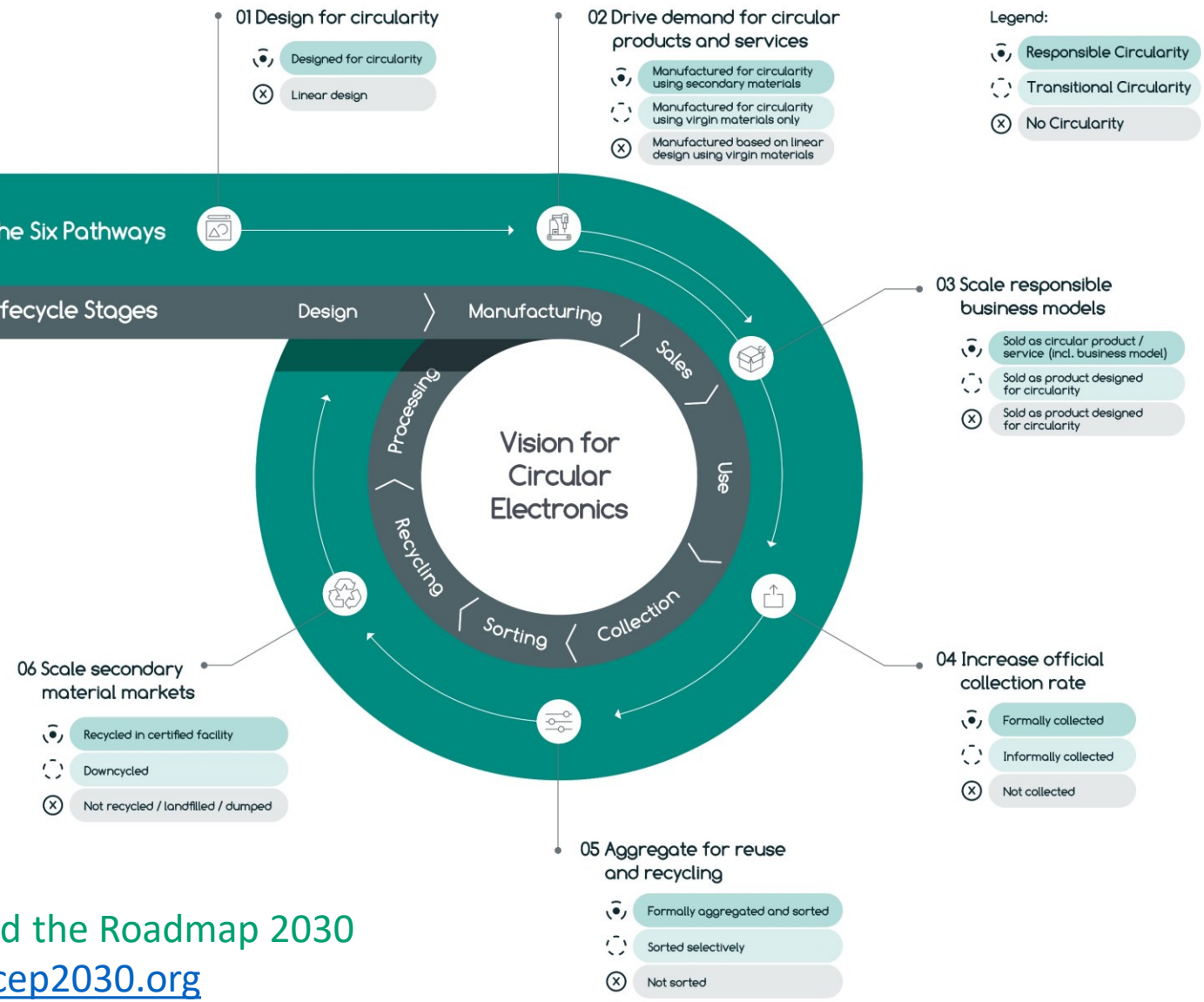
The Vision and Roadmap detail six pathways along the electronics



Download the Roadmap 2030 at www.cep2030.org

Current members

Get in touch!

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CEP project progress dashboard | 2022

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
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 Map the global take back system ▲	5.1 Improve the classification of waste at borders through trade facilitation programs and capacity building ●	6.1 Develop data standards and definitions for secondary materials ■
1.2 Harmonize ecolabels with respect to circularity ▲	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 Harmonize definitions and reporting for WEEE/EEE take-back and collection ●	5.2 Accelerate progress towards the digitization of the PIC procedure under the Basel Convention ●	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 Adapt accounting for circular electronics ▲	4.3 Increase public-private cooperation in the development of effective EPR regulation ▲	5.3 Move towards an insurance model for financial guarantees ●	6.3 Standardize material tracking and create a traceability platform ■
1.4 Create an enabling environment for the sale of circular products and services ●	2.4 Commit to meeting the demand for circular products and services ■	3.4 Invest in circular business models with social and environmental impact ▲	4.4 Engage informal actors and support their transition to formalized entrepreneurs ▲	5.4 Move to an opt-out system for transit countries and allow for flexibility ●	6.4 Increase transparency on secondary material demand and supply ▲
1.5 Set up an industry repository for circular electronics ▲	2.5 Train and reward knowledge and the consistent application of circular procurement ●	3.5 Create global best practices on data sanitization ■	4.5 Increase the governance of take-back and collection at the global level ▲	5.5 Pilot "green lanes" that ease the complexity of moving waste electronics to certified recyclers ●	6.5 Incentivize technology investments for meeting future secondary material demand ●
	2.6 Report on circular procurement on a global scale ▲ ●	3.6 Ensure legal clarity on the liability for product defects and access to insurance for repair and refurbishment ●	4.6 Consolidate historic e-waste mapping an assess recoverability ▲	5.6 Plan sorting, pre-processing and recycling operations at the regional and global level ▲	6.6 Incentivize the sale of secondary materials ●
		3.7 Provide professional training and certification of technical competence to independent repair providers ■	4.7 Strengthen convenient take-back and collection ■		
		3.8 Enable consumers to conduct safe repairs ■	4.8 Tie take-back and collection to the business model ■		
		3.9 Enforce labor rights and enable the formalization of companies and workers ●			

■ Industry led
▲ Industry with partners
● Asks to governments, NGO's, academics, IO's

Project/activity started
Project planned
Project in scoping

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Presentation

The Circular Electronics System Map

An Industry Blueprint for Action

Developed with **Accenture**

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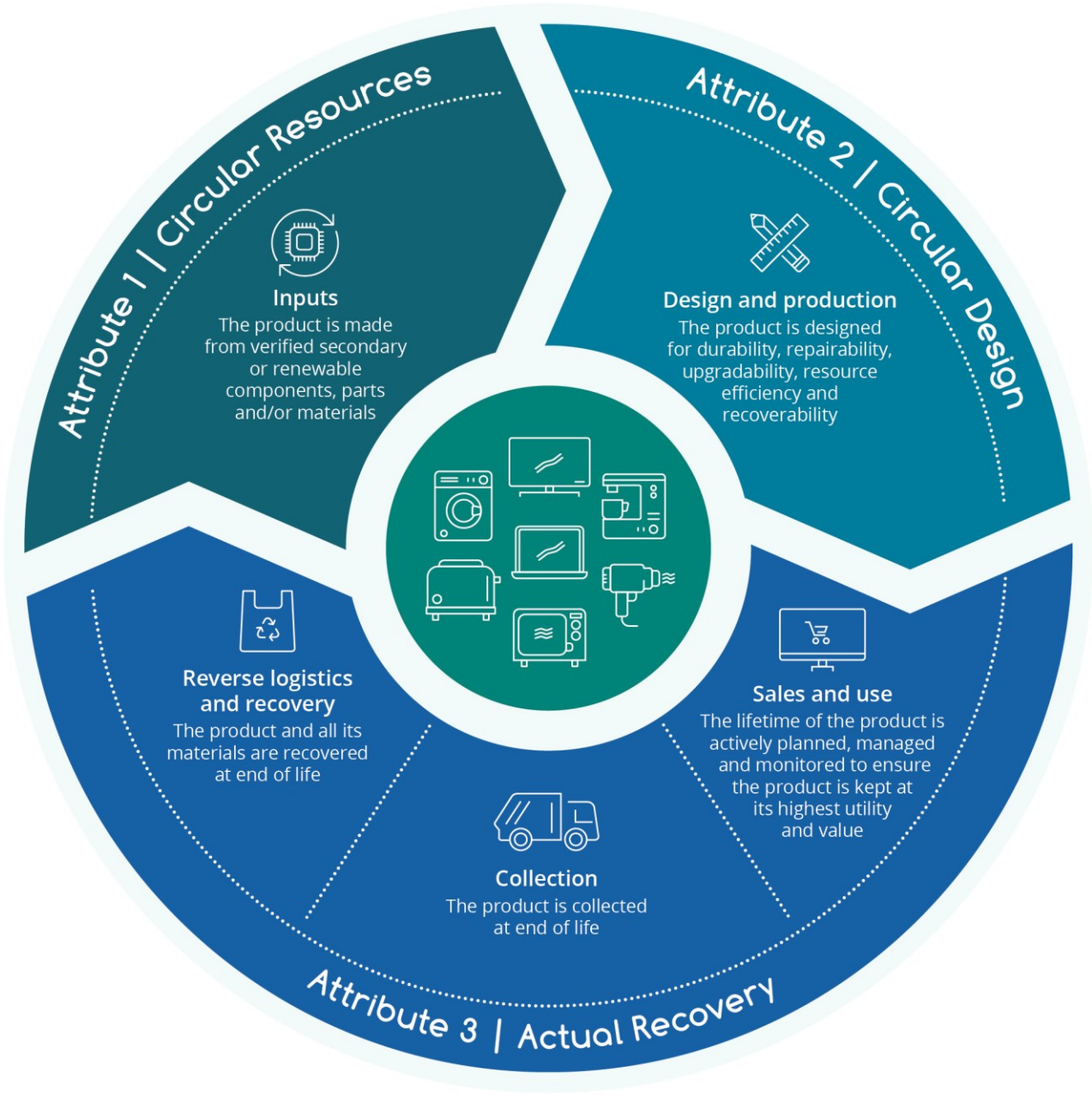
How do we define a circular electronic product?



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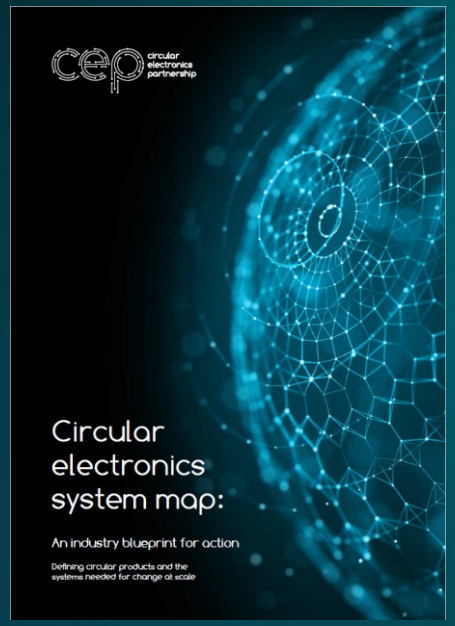
System map | Industry Blueprint for action



Download the Circular electronics system map at www.cep2030.org

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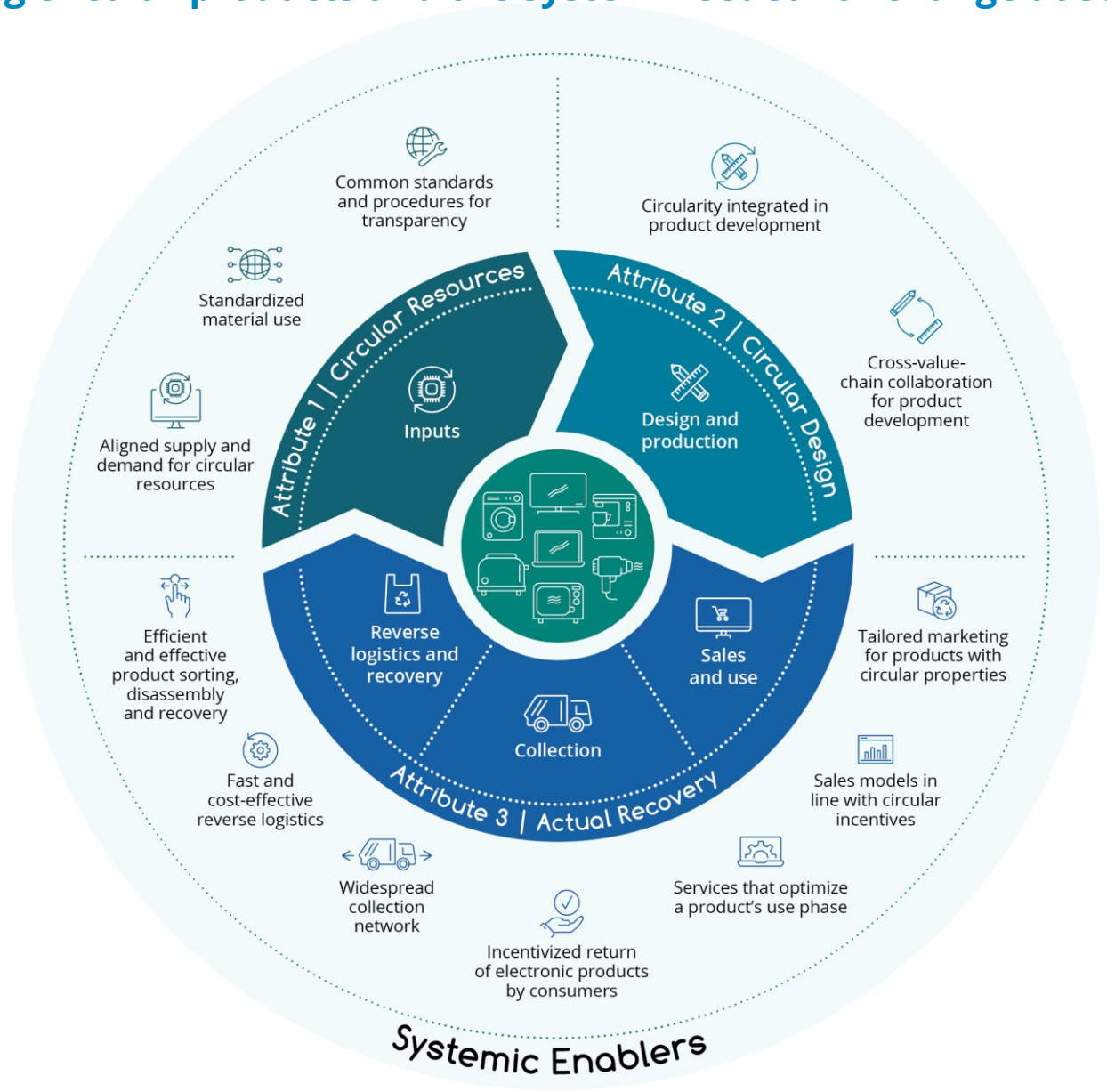
Defining circular products and the system needed for change at scale



What are key considerations for setting up systemic enablers?

Product Lifecycle Planning

Product-specific elements vs. Industry solutions	Pre-competitive solutions vs. Strategic differentiators	Internal capability building vs. Partnerships & collaboration	Existing business models vs. New circular business models

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Download now

Circular Electronics System Map: An Industry Blueprint for Action

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Get in touch if you want to know an do more!

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Thank you!

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