

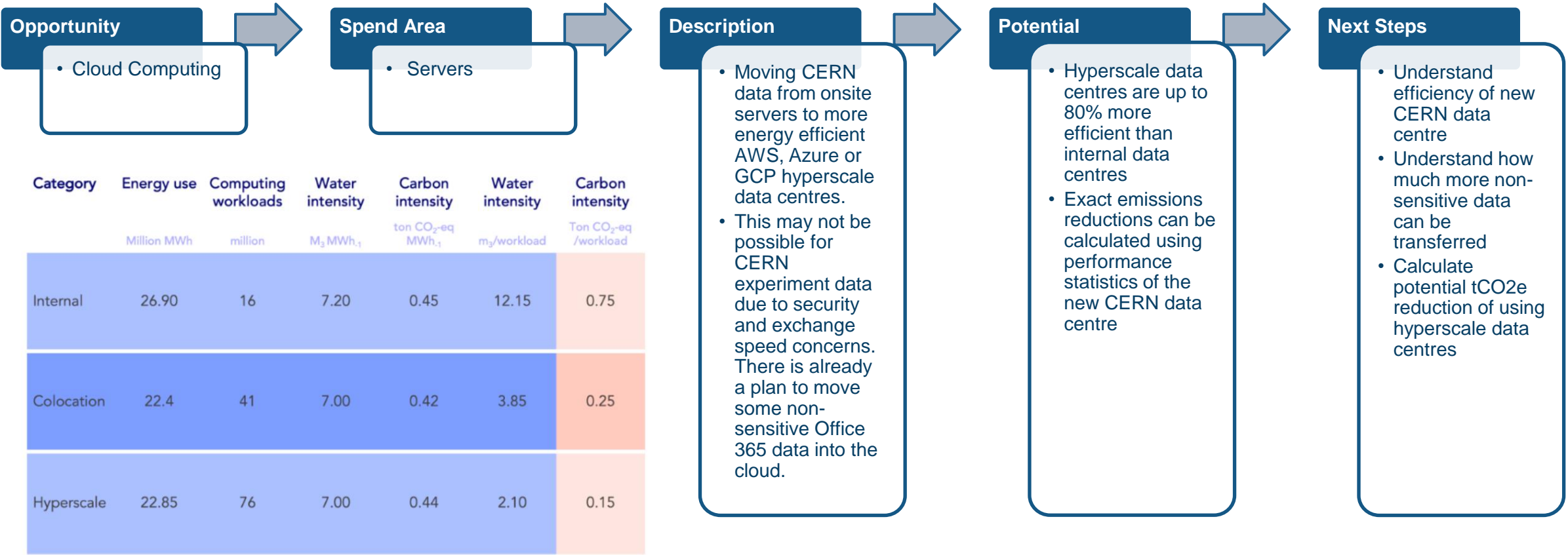
CERP3 Decarbonization Procurement family 04

Information Technology

Current Situation in Procurement family 04 – Information Technology

- ▶ These suppliers support CERN's IT infrastructure which is critical for collecting, analysing sharing CERN physics data and supporting back-office functions.
- ▶ Procurements are adjudicated using Lowest Compliant Bid with a TCO element sometimes included for power consumption in commercial evaluation.
- ▶ Aside from TCO Environmental requirements are not often included in sourcing exercises.
- ▶ IT spend is highly recurrent, the demands do not change much from year to year.

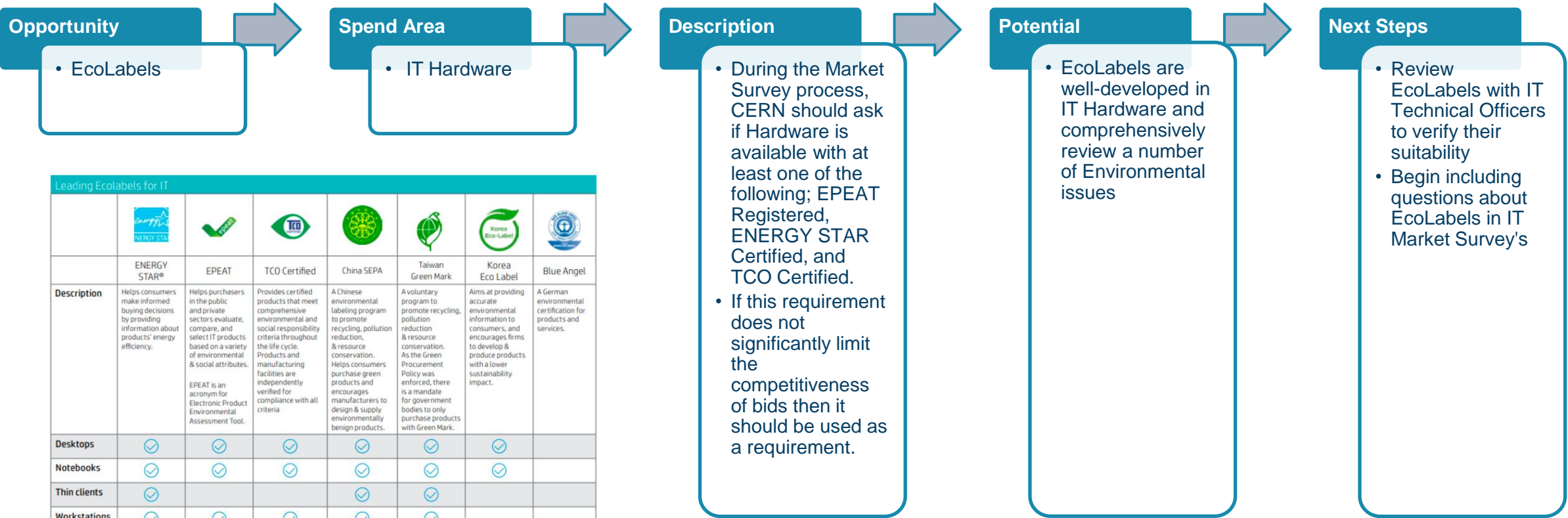
CERN should consider moving non-sensitive data into cloud Hyperscale data centres if they are more efficient than CERN’s on-site data centres










Source: Siddik & Sehab 2021



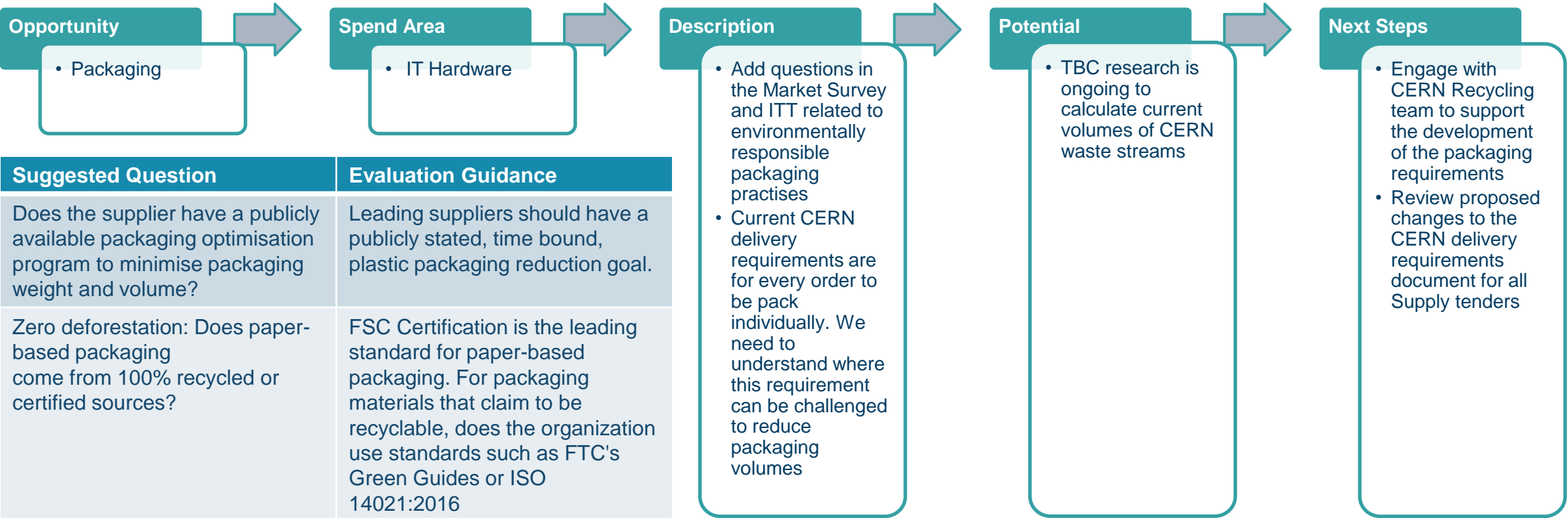
Include requirements related to Ecolabels for IT Hardware in Market Survey’s and then, if it does not limit competition, tenders



Leading Ecolabels for IT							
							
	ENERGY STAR®	EPEAT	TCO Certified	China SEPA	Taiwan Green Mark	Korea Eco Label	Blue Angel
Description	Helps consumers make informed buying decisions by providing information about products' energy efficiency.	Helps purchases in the public and private sectors evaluate, compare, and select IT products based on a variety of environmental & social attributes. EPEAT is an acronym for Electronic Product Environmental Assessment Tool.	Provides certified products that meet comprehensive environmental and social responsibility criteria throughout the life cycle. Products and manufacturing facilities are independently verified for compliance with all criteria	A Chinese environmental labeling program to promote recycling, pollution reduction, & resource conservation. Helps consumers purchase green products and encourages manufacturers to design & supply environmentally benign products.	A voluntary program to promote recycling, pollution reduction & resource conservation. As the Green Procurement Policy was enforced, there is a mandate for government bodies to only purchase products with Green Mark.	Aims at providing accurate environmental information to consumers, and encourages firms to develop & produce products with a lower sustainability impact.	A German environmental certification for products and services.
Desktops	✓	✓	✓	✓	✓	✓	
Notebooks	✓	✓	✓	✓	✓	✓	
Thin clients	✓			✓	✓		
Workstations	✓	✓	✓	✓	✓		
Monitors	✓	✓	✓	✓	✓	✓	
Laser printers	✓	✓		✓	✓	✓	✓
Ink printers	✓	✓		✓	✓		✓
Scanners	✓	✓		✓	✓		

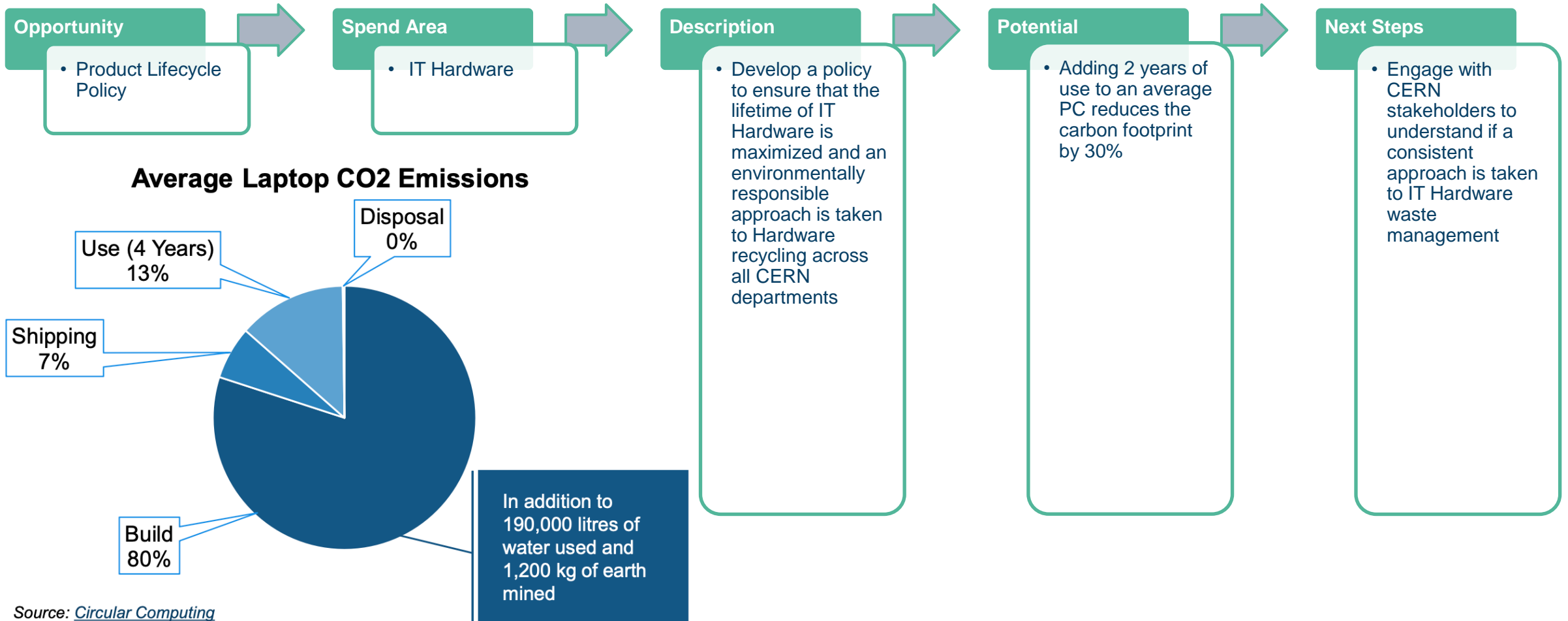
Source: HP IT Sustainable Purchasing Guide

Include packaging requirements that reduce the amount of non-recyclable waste generated through IT Hardware purchases

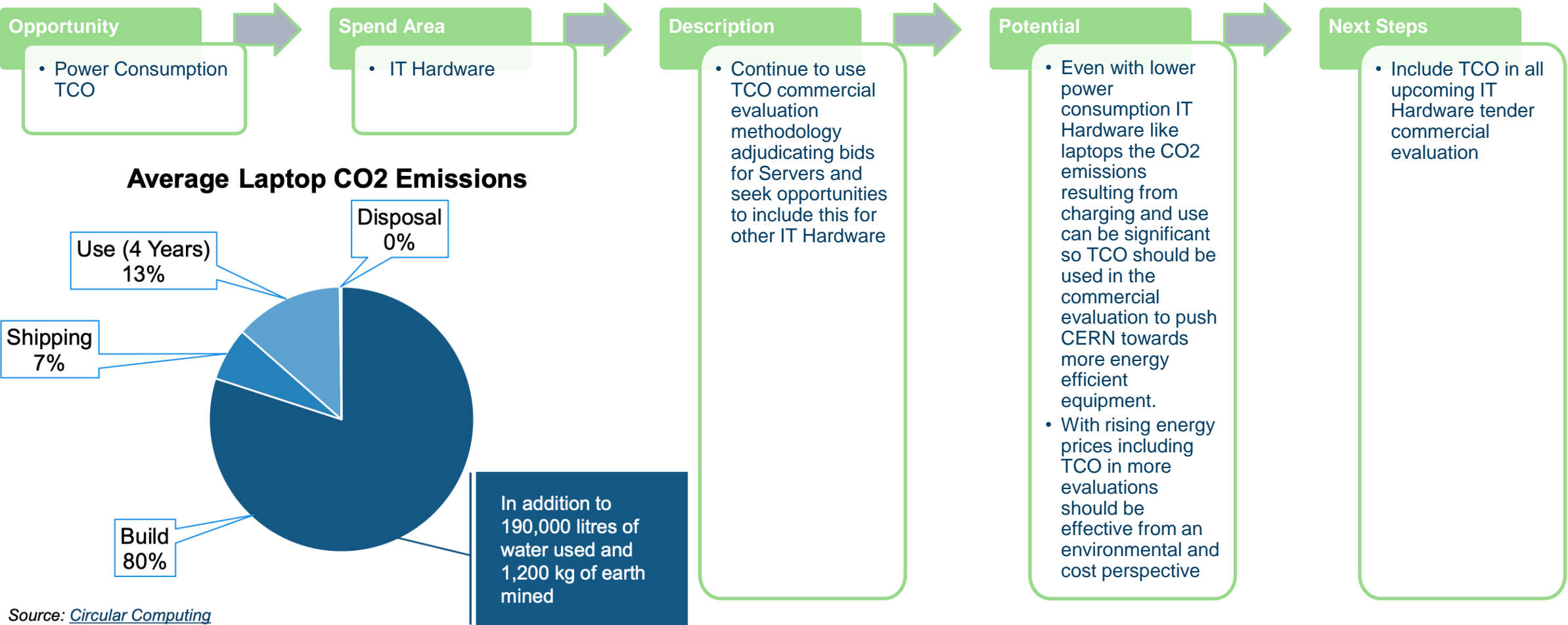


We propose that CERN should include the questions from the list above in a Market Survey to understand if their application in a Price Enquiry / ITT would significantly limit the competitiveness of bids

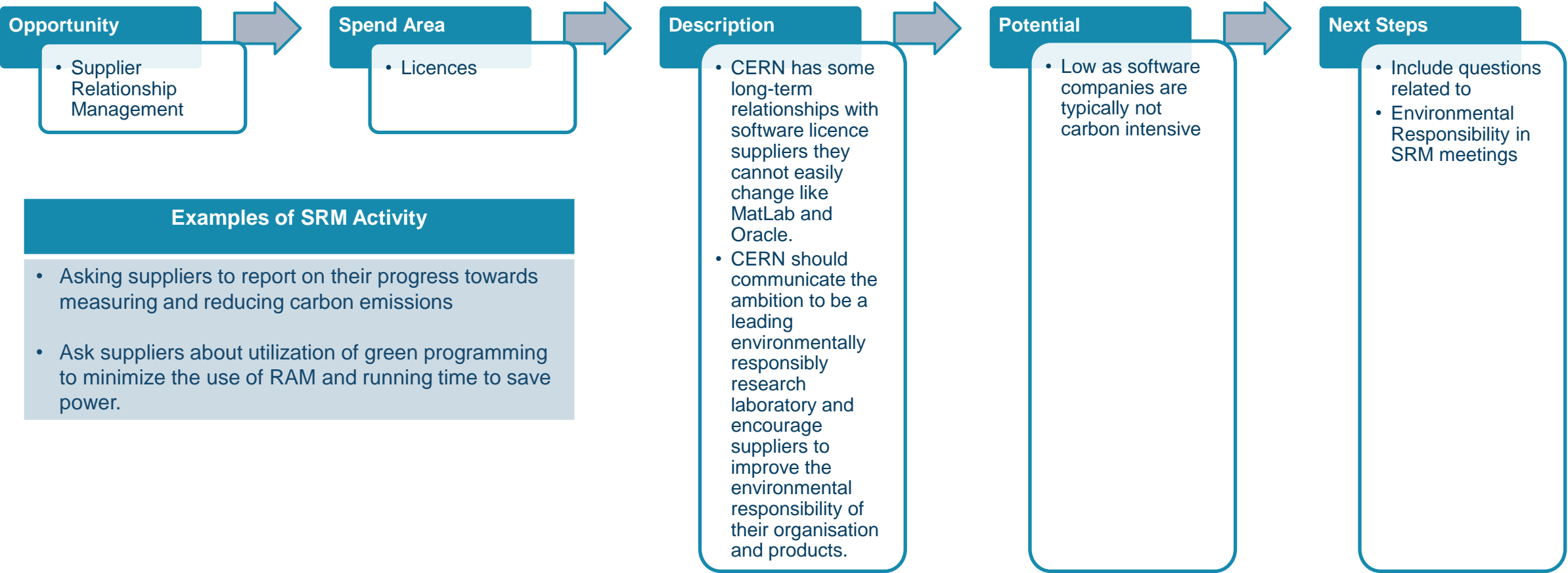
Identify and promote best practises for extending the lifecycle of IT Hardware including recycling at the end of products useable life



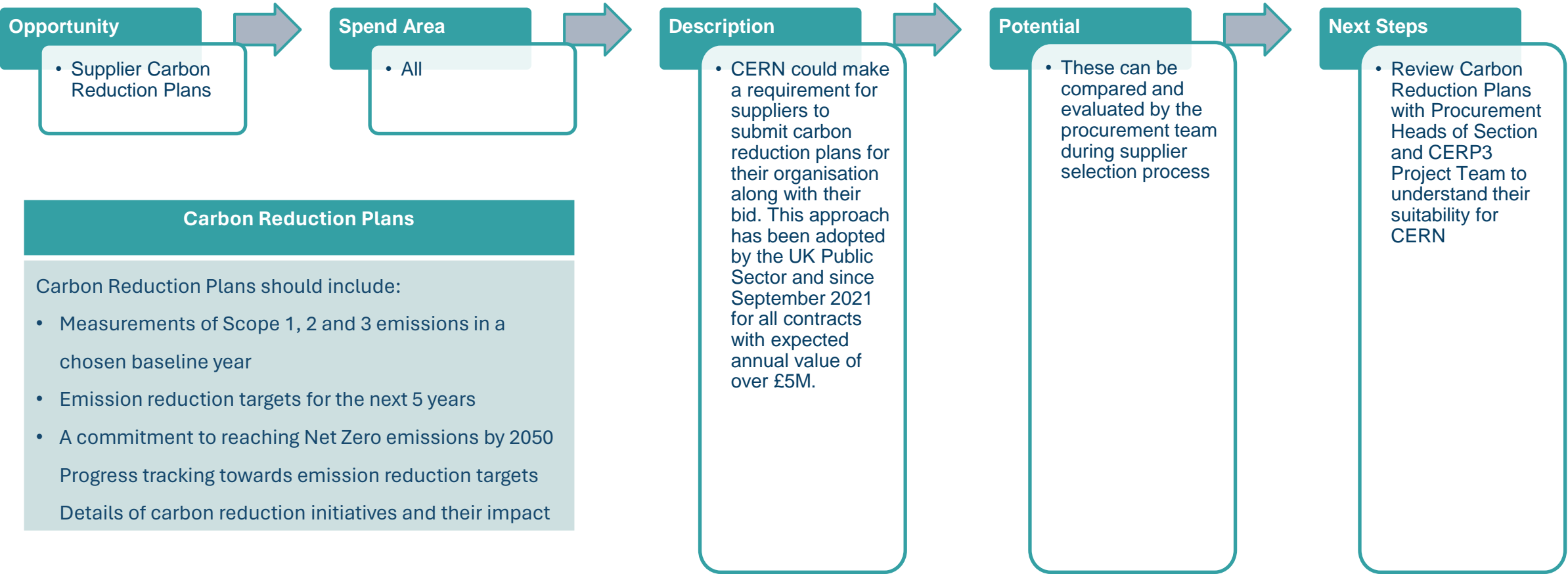
Extend the use of TCO when evaluating bids to all IT Hardware to account for the power consumption of all IT Hardware



Long standing relationships with software licence suppliers time can be invested in SRM activities around Environmental Responsibility



For large contracts CERN could require suppliers to submit carbon reduction plans and evaluate these as part of the bids if using BVFM adjudication



For Environmentally Responsible Procurement actions that rely on supplier collaboration CERN should prioritize working with engaged suppliers

