

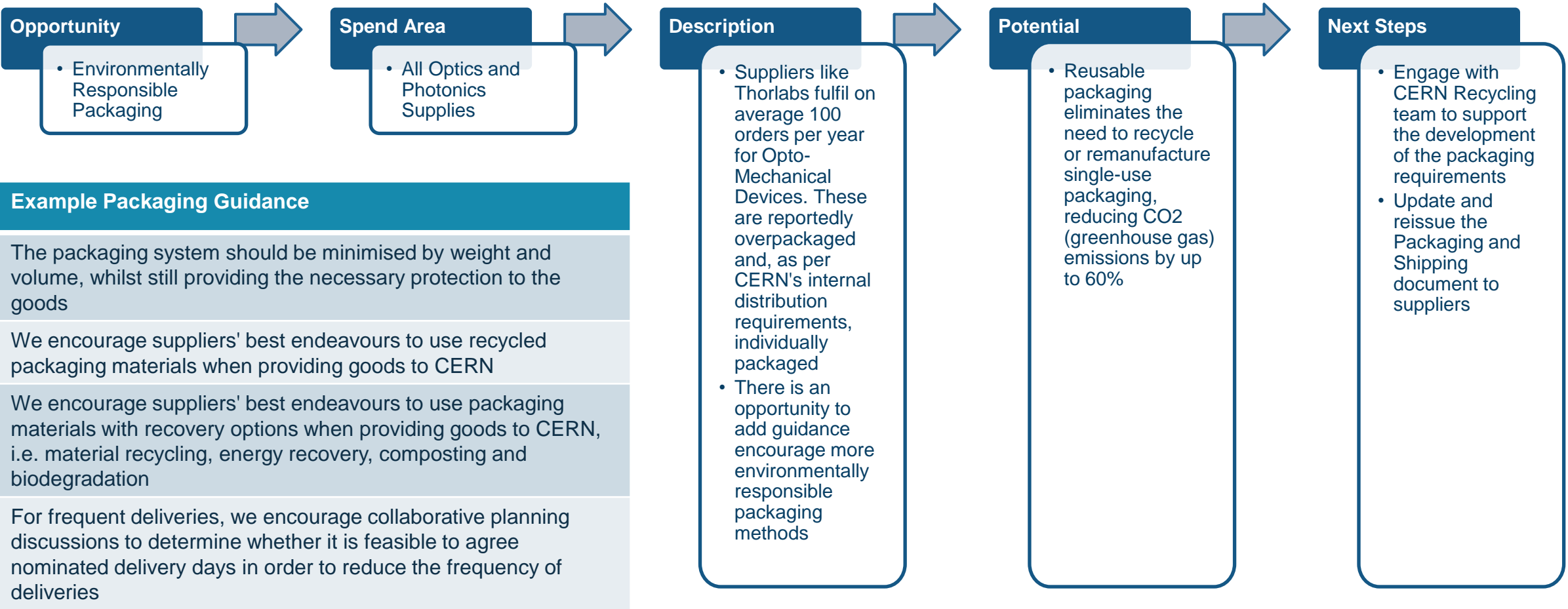
CERP3 Decarbonization Procurement family 08

Optics and Photonics

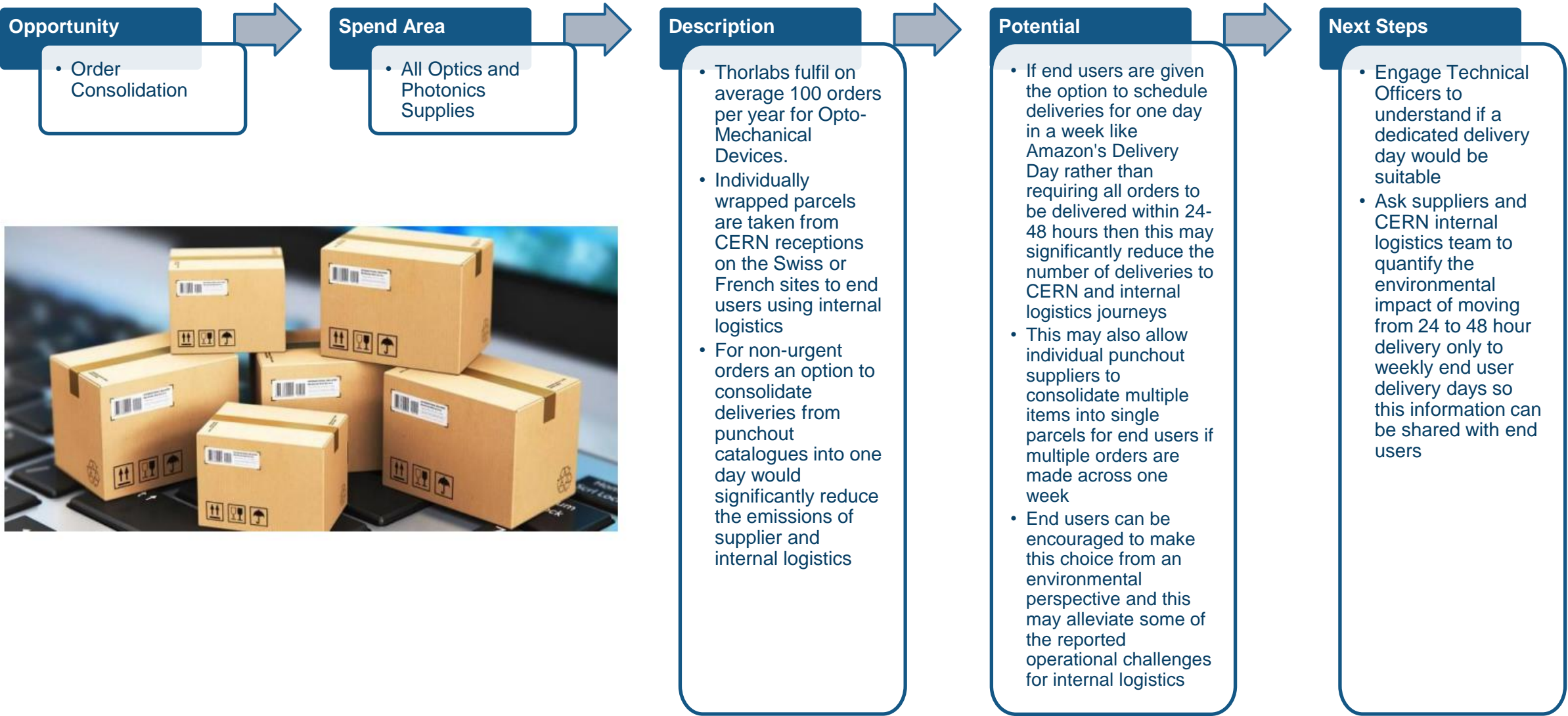
Current Situation in Procurement family 08 – Optics and Photonics

- ▶ Lasers are used for generating particles, photon beams and particle beams. They are also used for diagnostics.
- ▶ Although CERN buys 100's of kilometres optical fibres this demand is relatively small verses these suppliers' customers in the telecoms industry.
- ▶ The total spend and estimated GHG emissions are much lower in this Procurement Family compared with others.

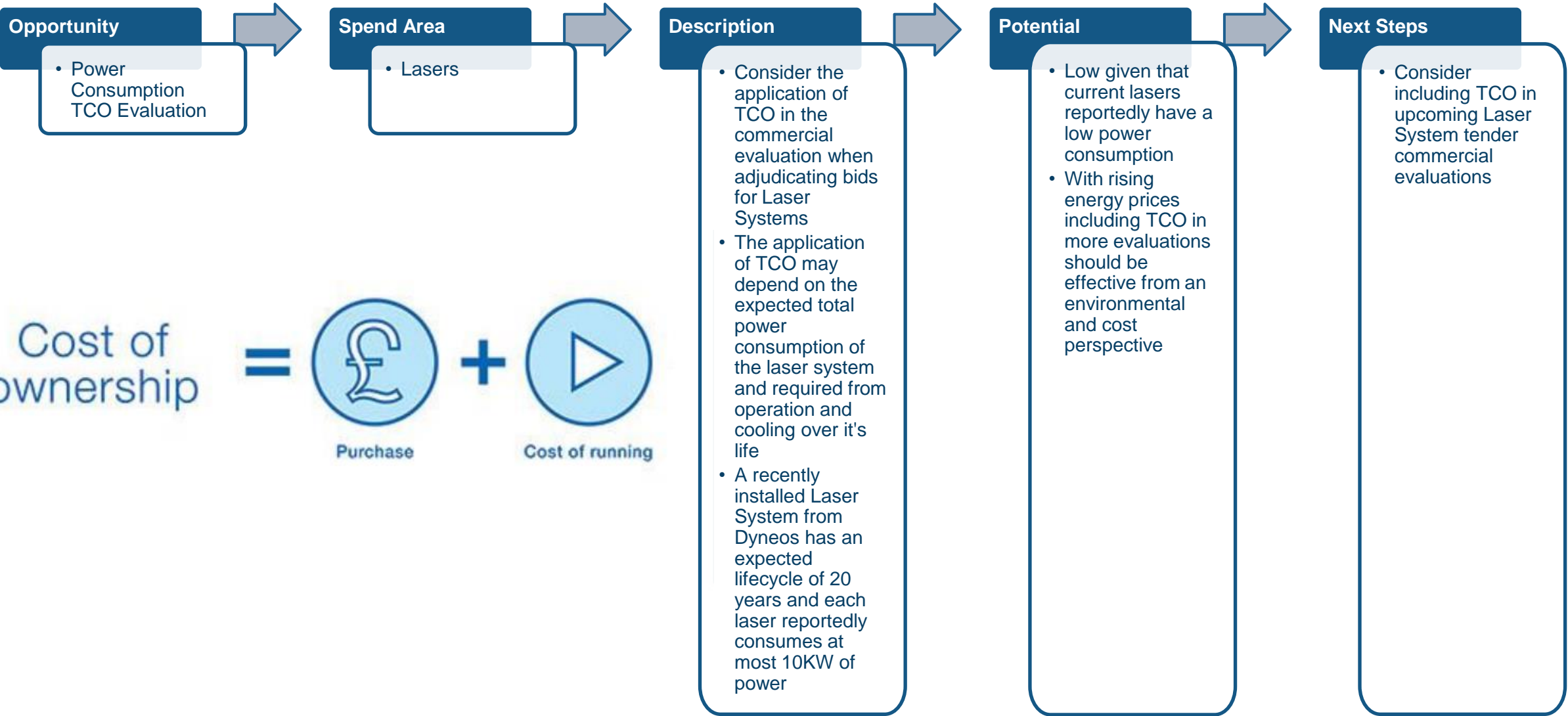
Consider including Environmentally Responsible packaging requirements in the Packaging and Shipping Instructions for suppliers



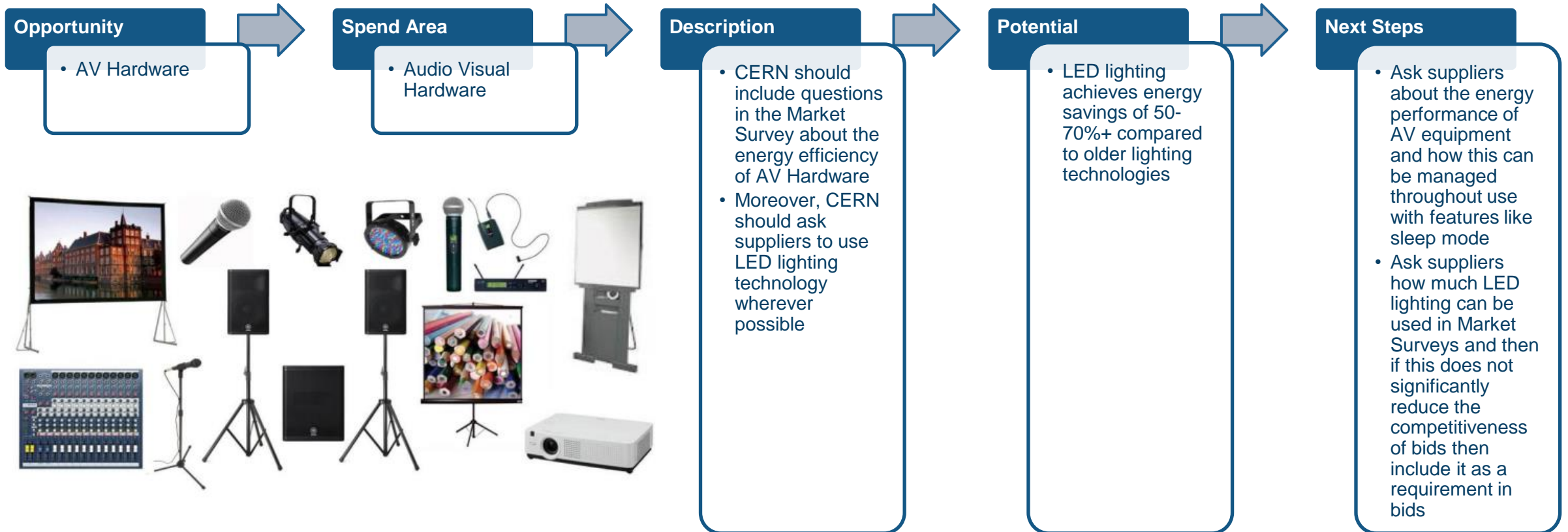
Seek opportunities to consolidate non-urgent orders to 1 day per week to reduce last mile delivery emissions and packaging volumes



Incorporate TCO into the commercial evaluation for all upcoming tenders to account for energy consumption



Ask suppliers to complete a lifecycle carbon assessment so they can compare the environmental responsibility of different AV Hardware



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

