

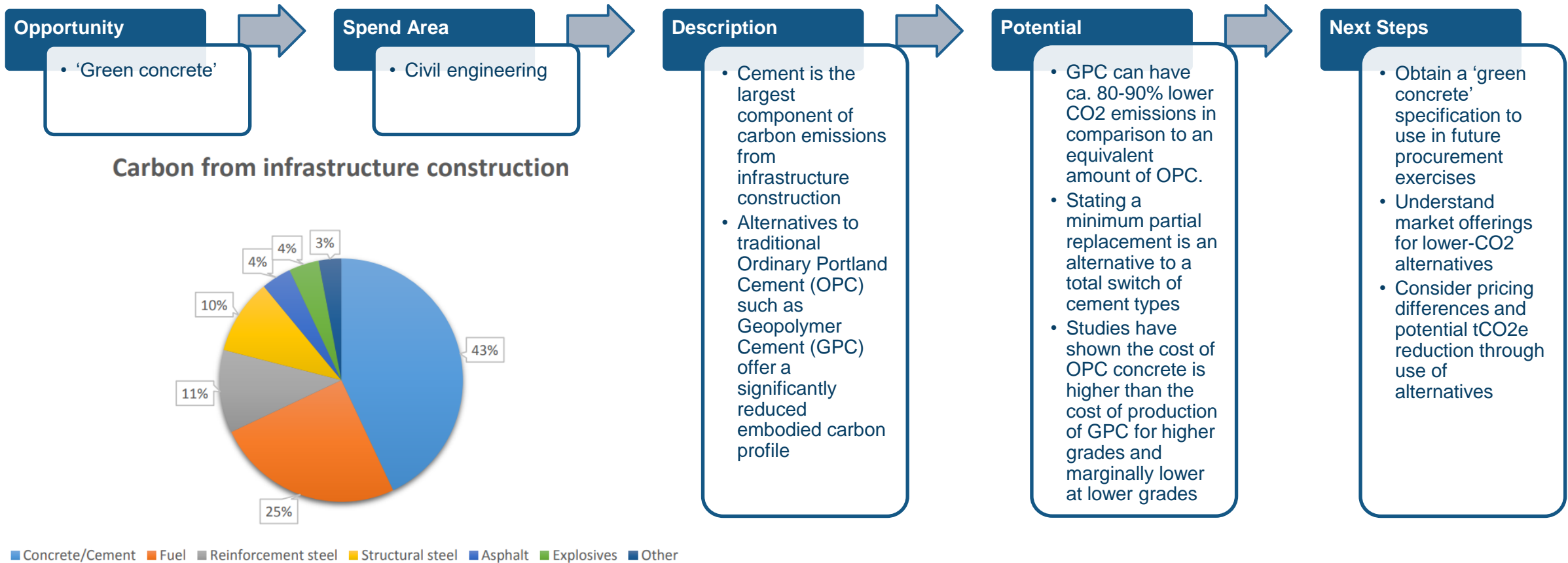
CERP3 Decarbonization Procurement family 01

Civil engineering

Current Situation in Procurement family 01 – Civil Engineering

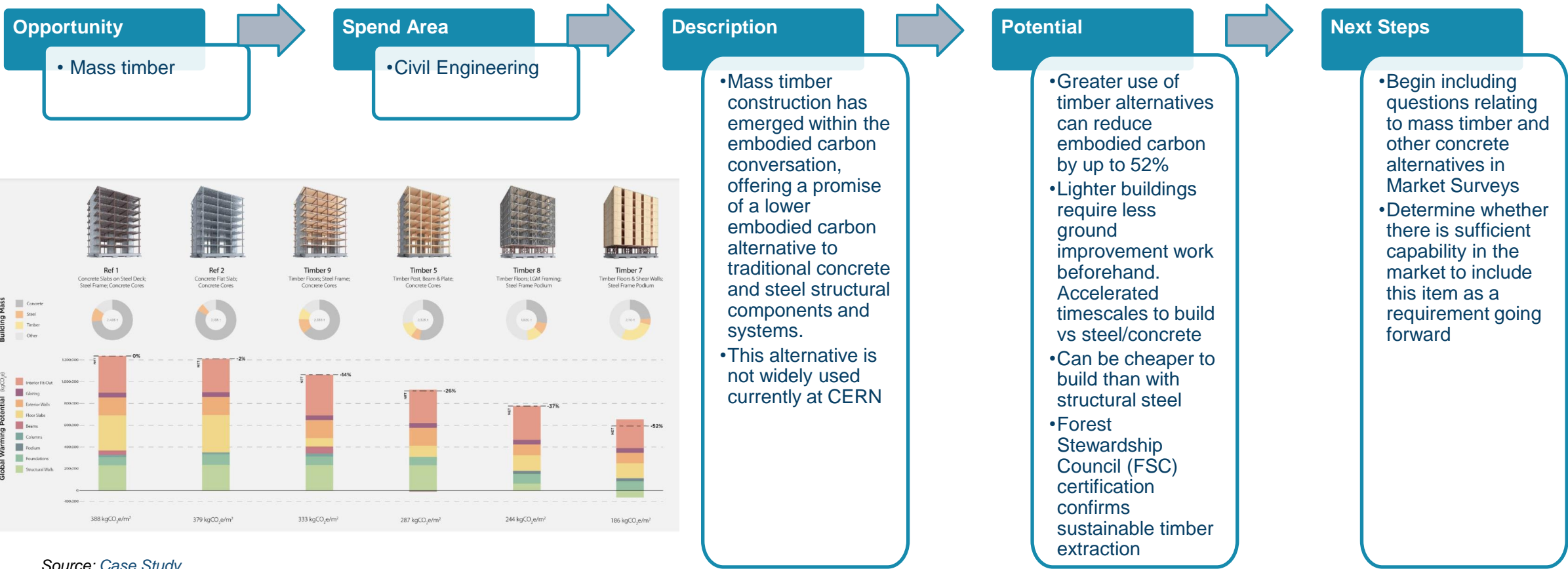
- ▶ These suppliers are a mixture of designers and contractors.
- ▶ Procurements for designers are adjudicated using Best Value for Money procedure, whereas procurements for contractors are adjudicated using the Lowest Compliant Bid procedure.
- ▶ There has been limited inclusion of environmental factors within procurement procedures to date.
- ▶ Demand and resultant spend is a mixture of routine construction, and construction required due to major projects.

When procuring goods and services in PF 01, seek opportunities to apply the following decarbonisation levers

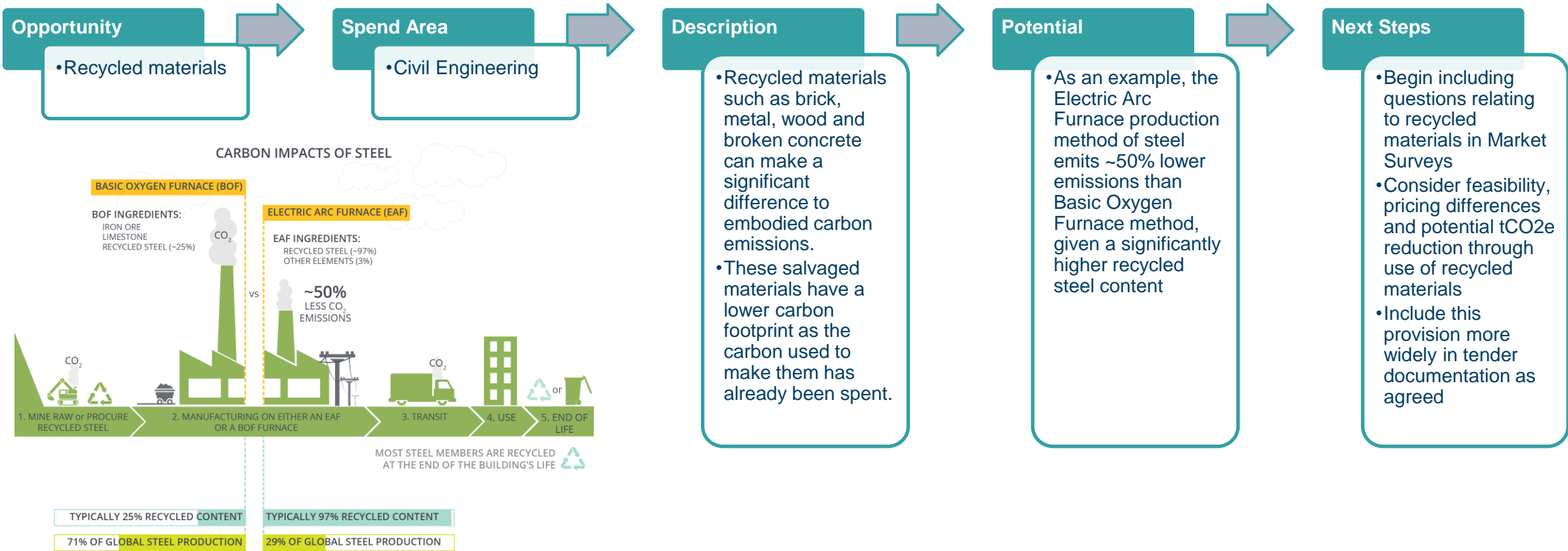


Source: [International Case Study](#)

Explore the use of mass timber construction as an alternative method to steel/concrete structural design and build

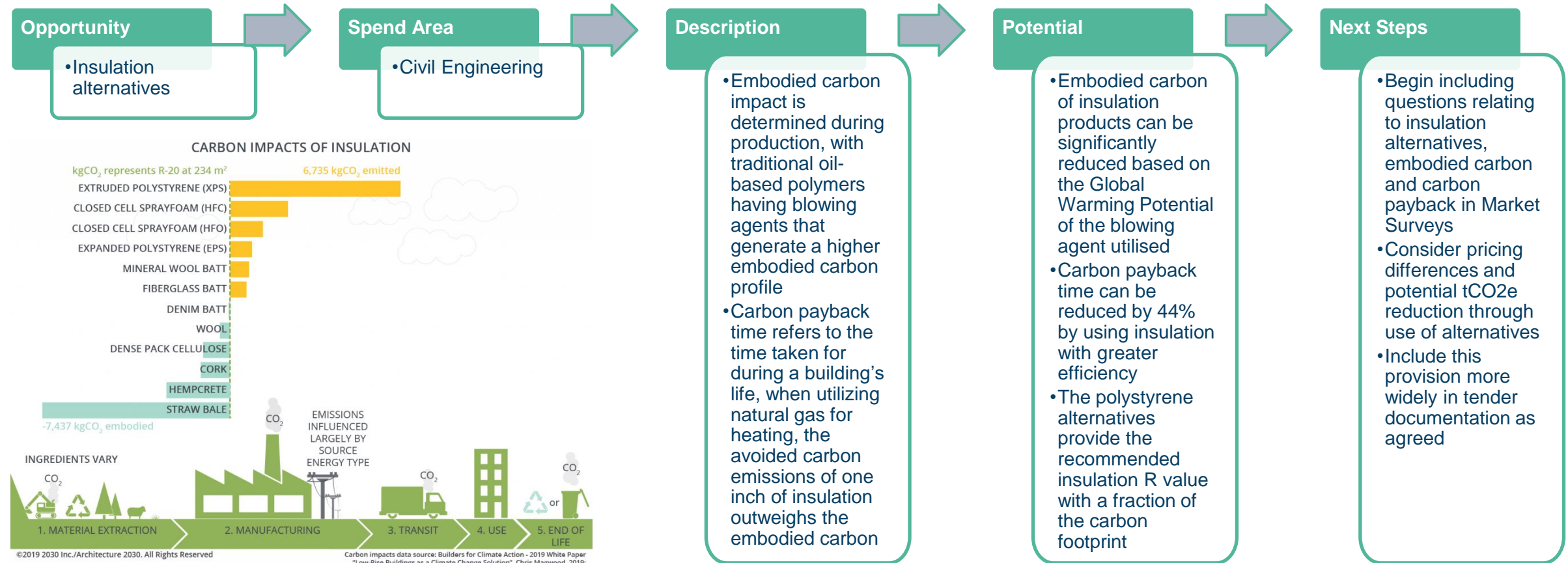


Explore the use of recycled materials, including steel with a higher percentage recycled makeup



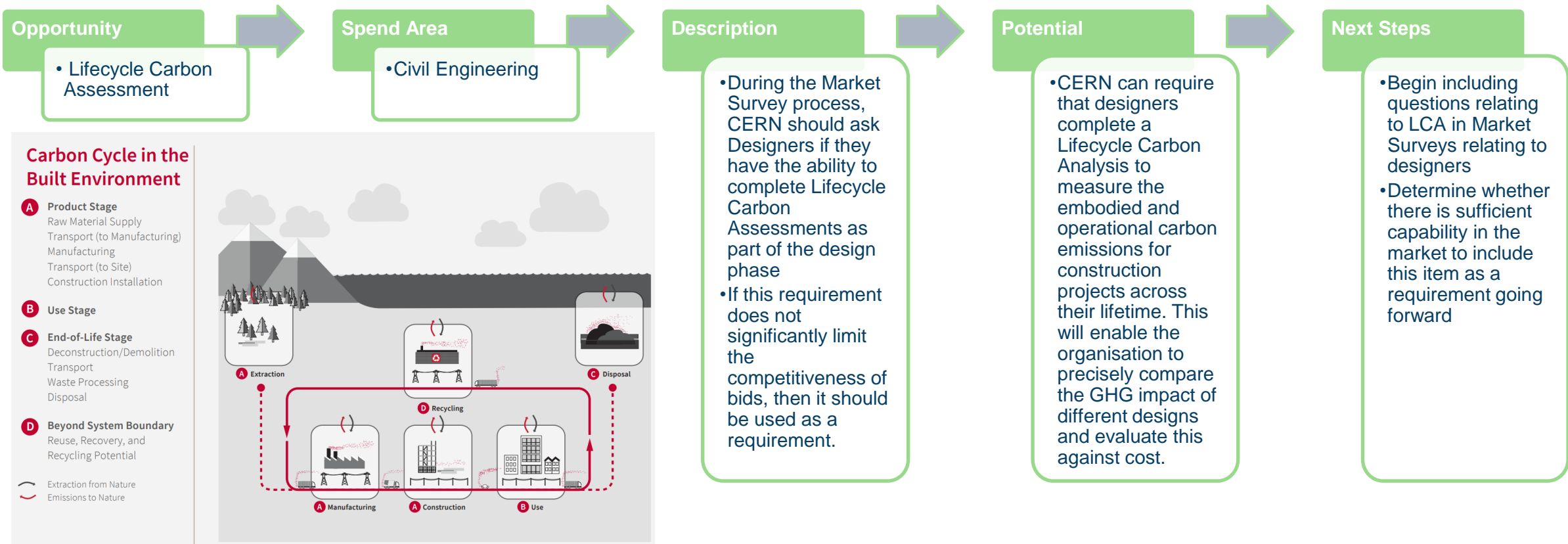
Source: [Carbon Smart Materials Palette](#)

Explore insulation alternatives, focussing on both the embodied carbon impact and the carbon payback time

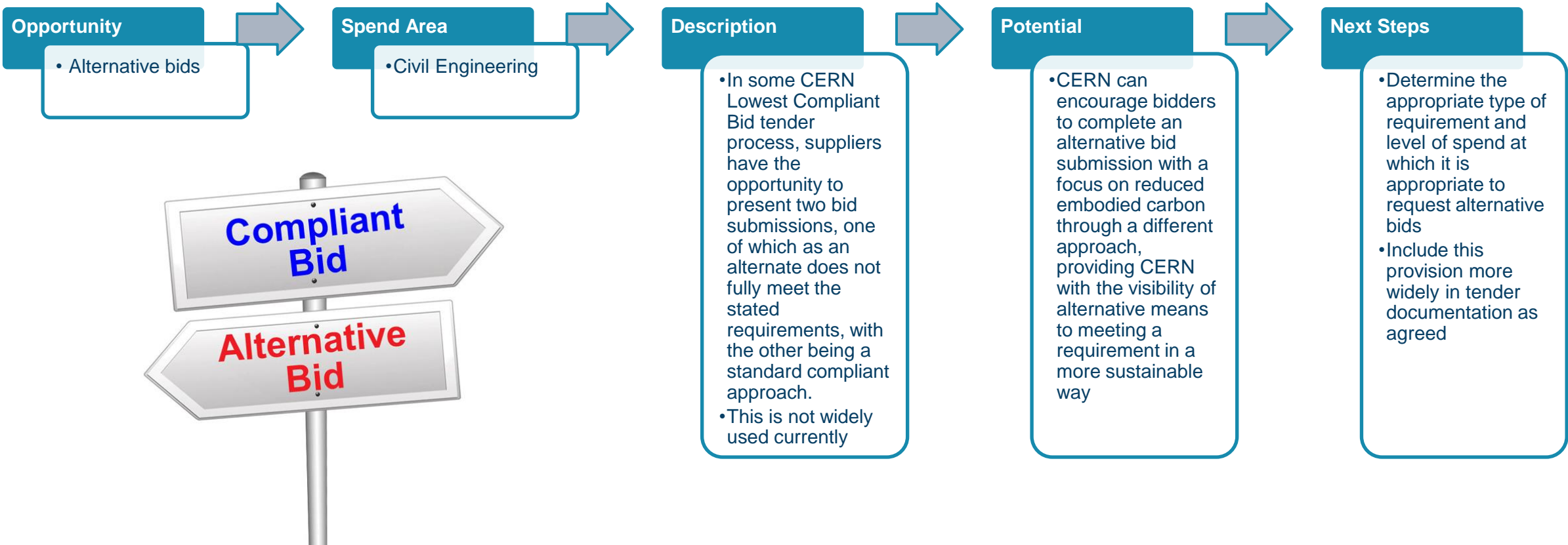


Source: [Zero Energy Project](#)

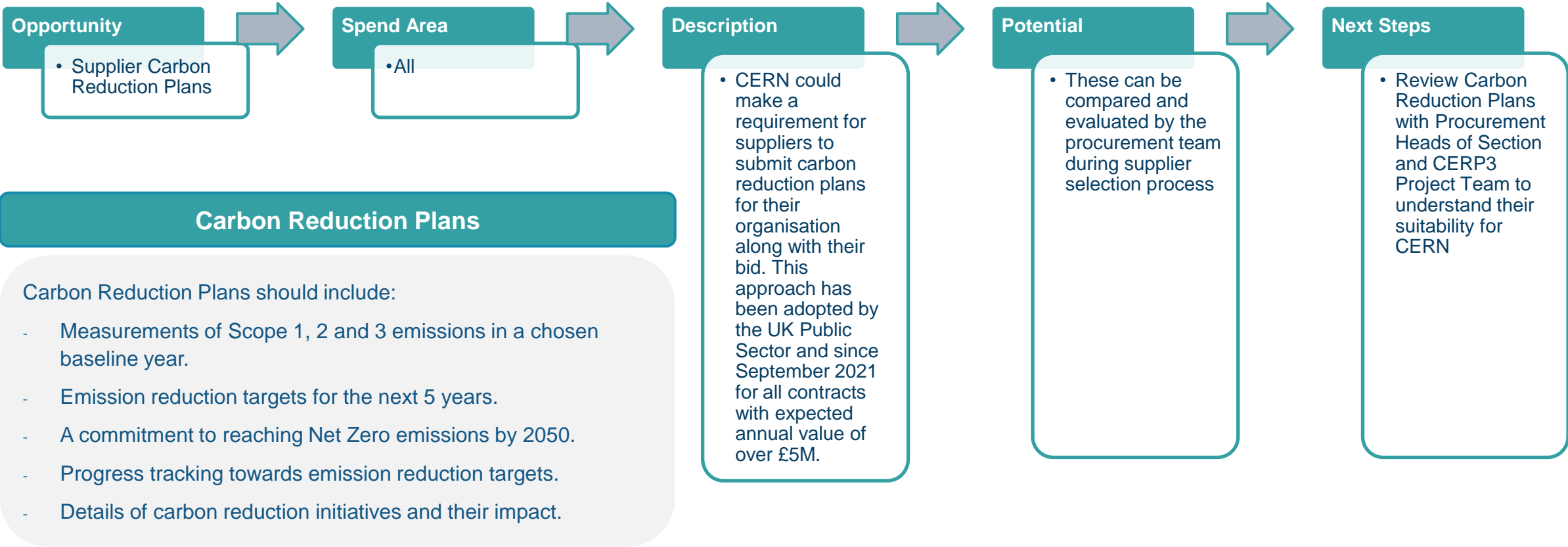
Include requirements related to LCA for Designers in Market Surveys and then, if it does not limit competition, tenders



Widen the use of ‘alternate bids’, with a focus on encouraging alternative sustainable proposals



For large contracts, 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

