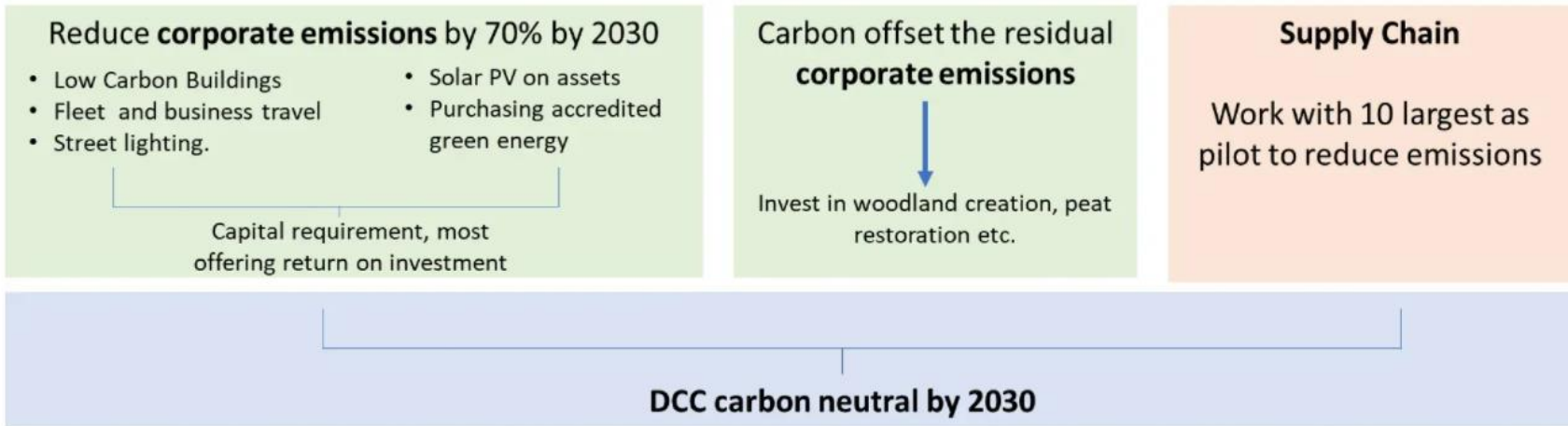


Carbon Reduction Project

AIA Conference

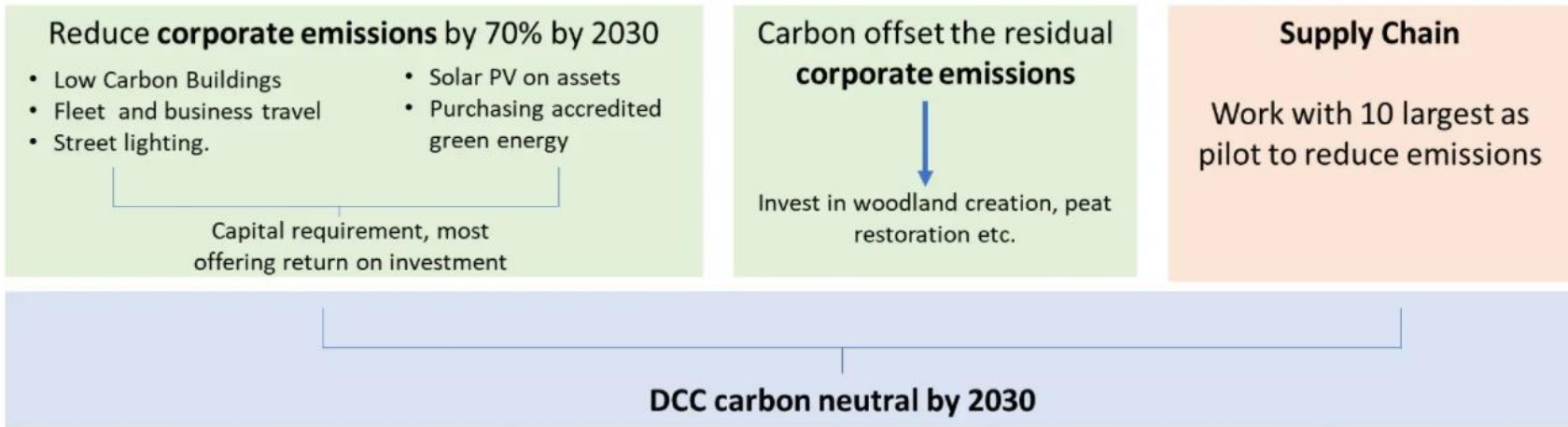
Victoria-Anne Walsh, CMgr, IEng
Devon County Council

Carbon Reduction Plan 2020 – 2030



1. Reduce Corporate CO2 by 70% (2030/31)
2. Source 30% of energy from renewable sources (2030/31)
3. Increase CO2 offset (100% by 2030/31)
4. Net Zero supply chain emissions (2030/31)
5. Offset residual emissions from the supply chain from the year 2030 onwards.


Carbon Reduction Plan 2020 – 2030



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Main Objective

To investigate, consider and embed new ways of working that help reduce the carbon output when designing and commissioning construction works for new roads and highway maintenance operations.



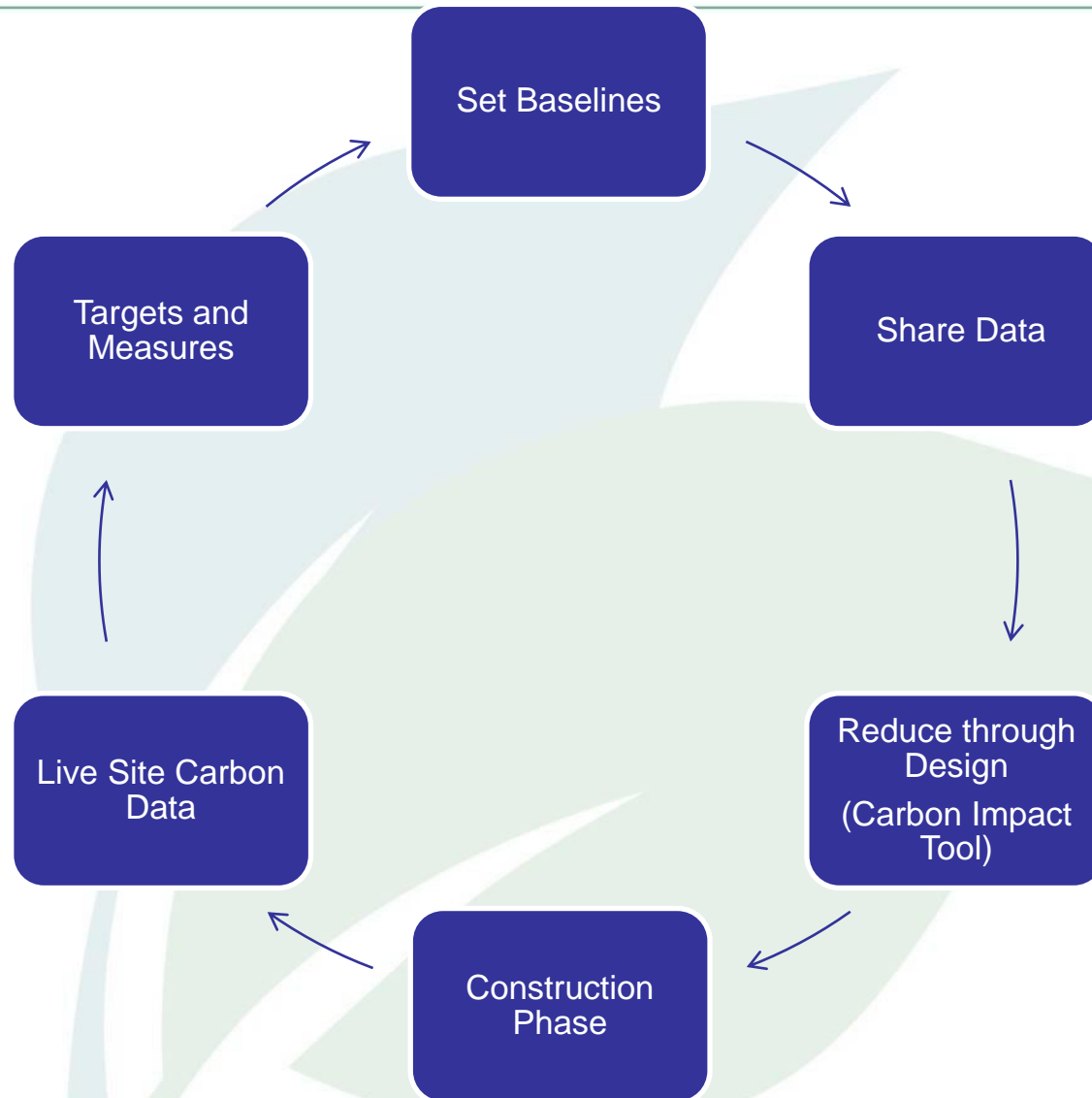
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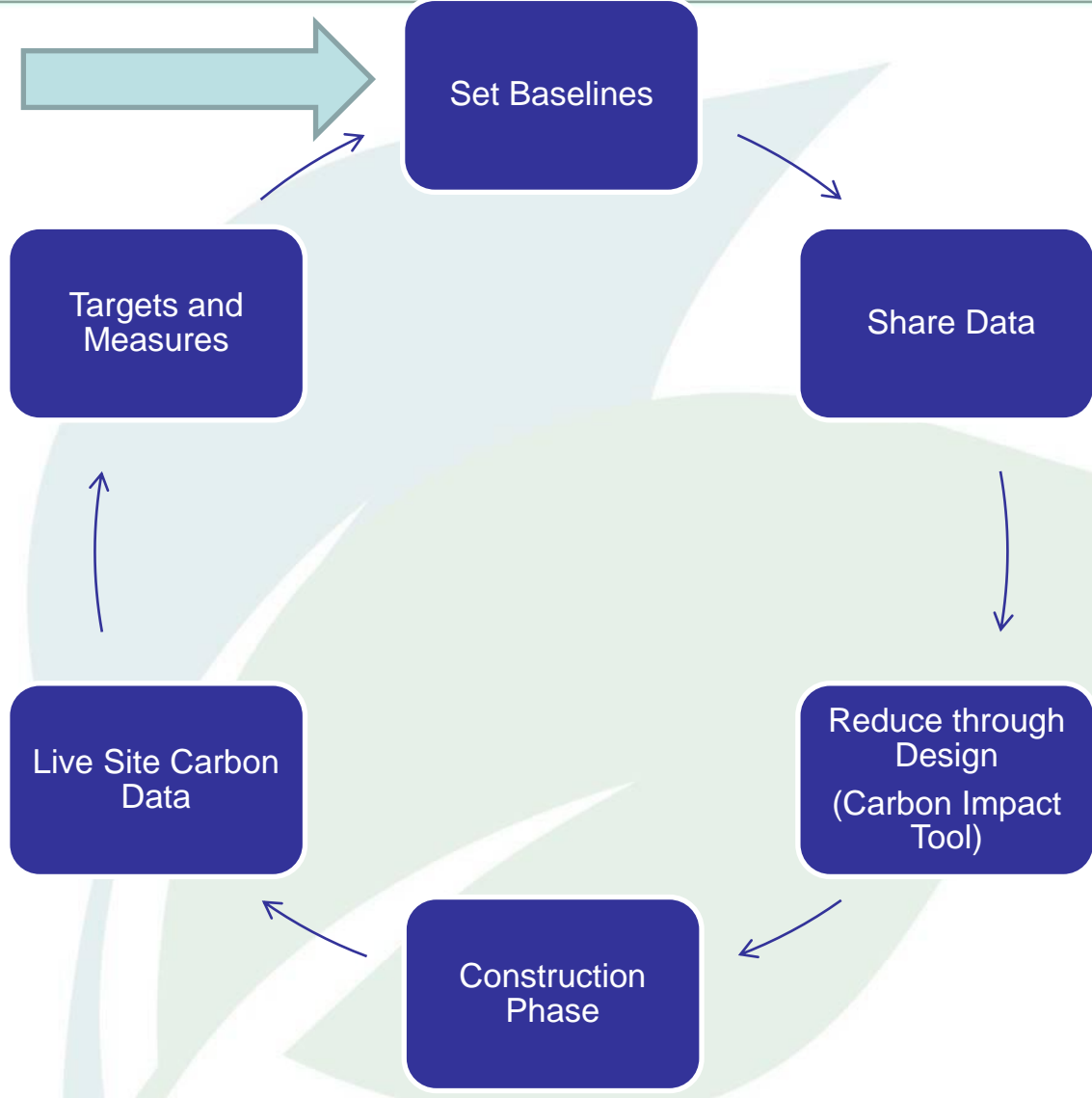


Whole Life Cost of Carbon

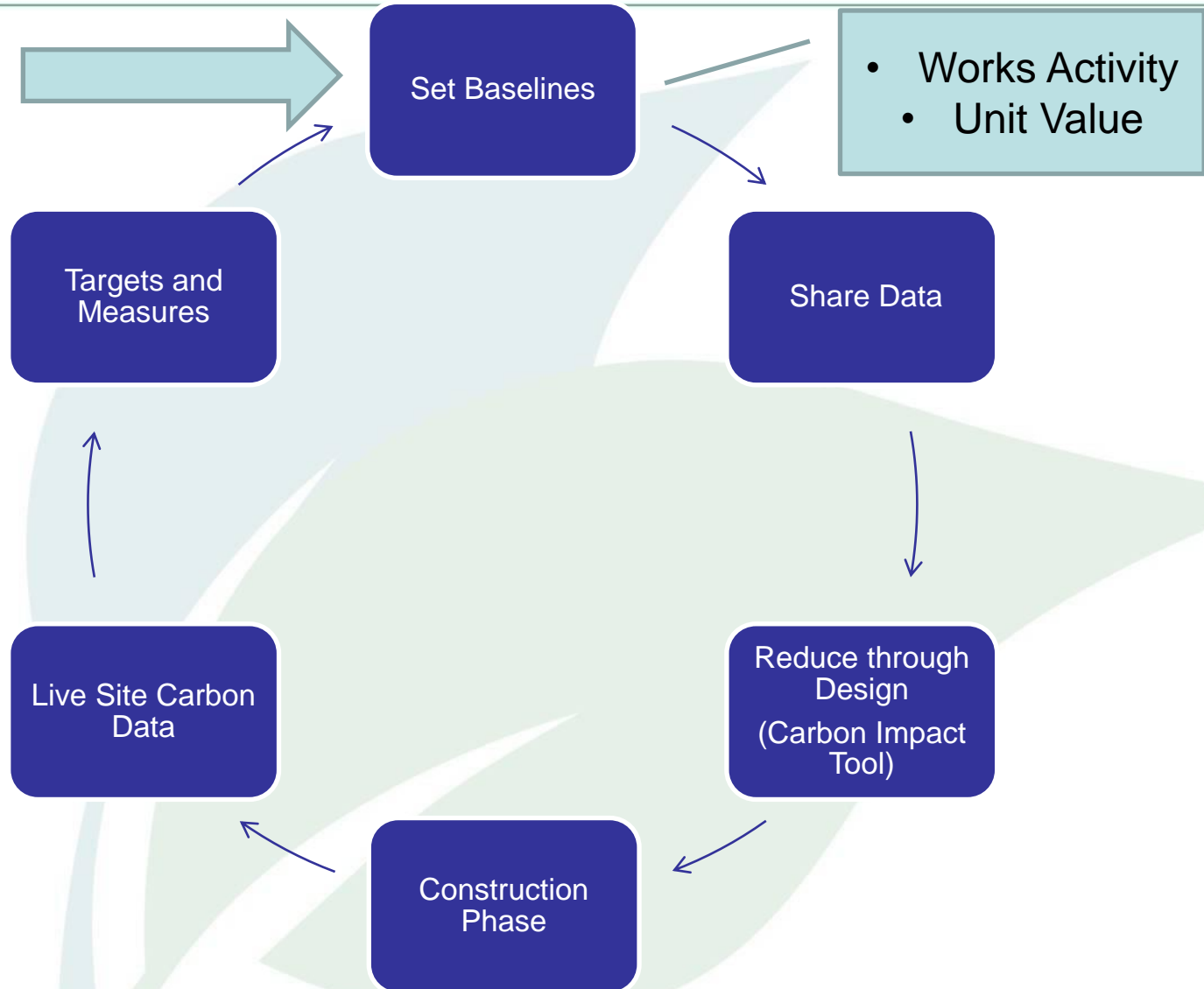
The Business Model



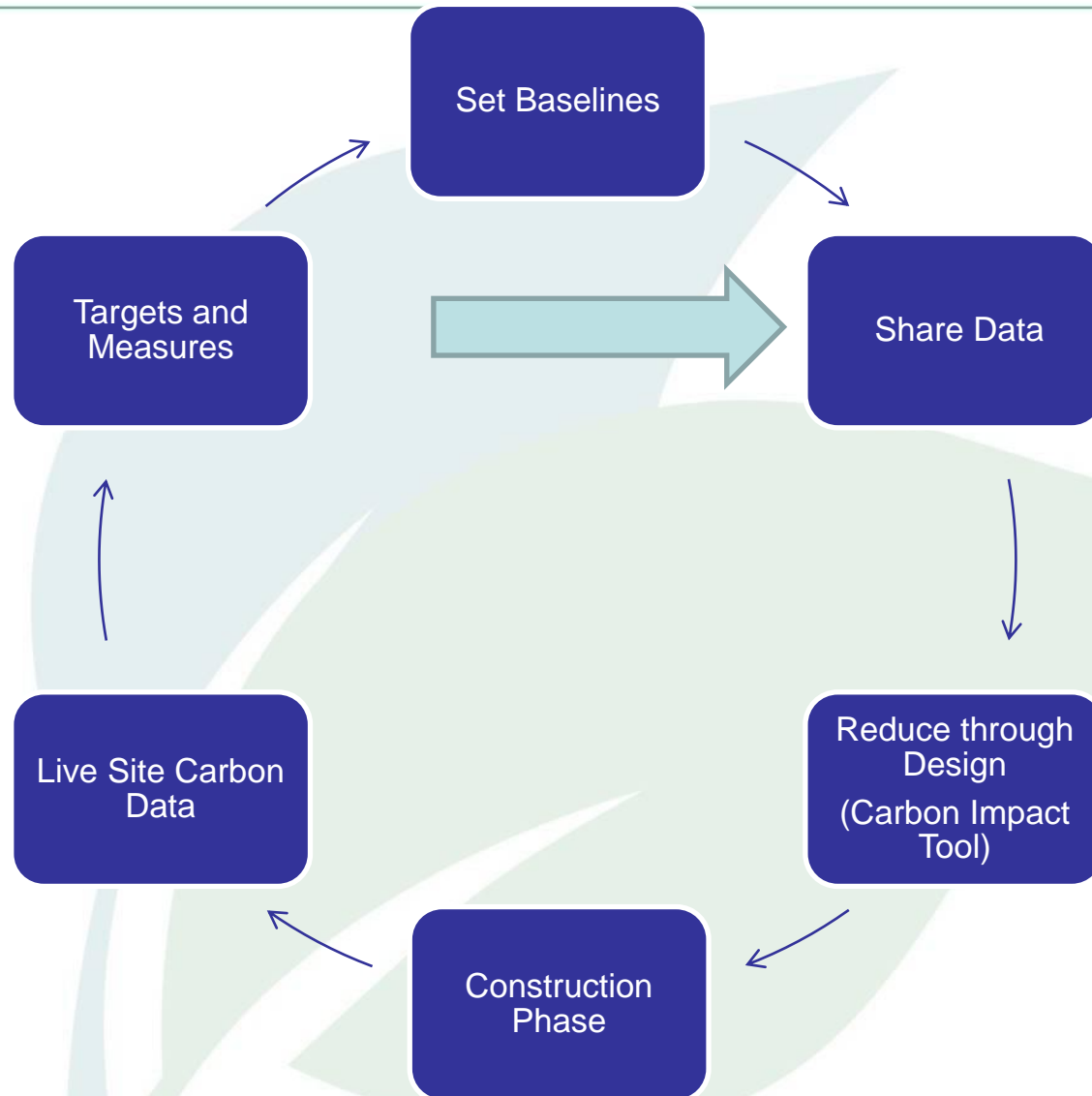
The Business Model



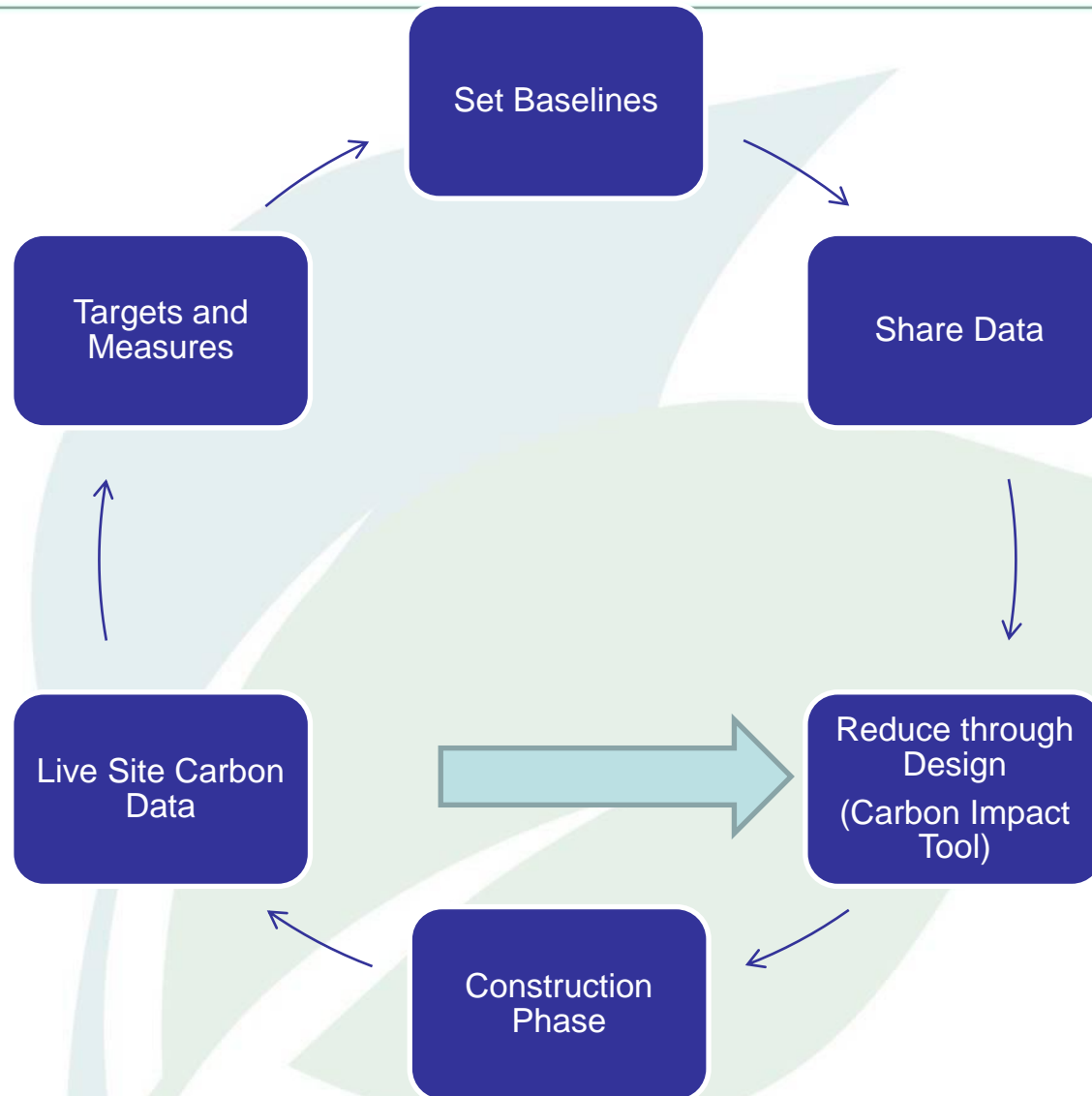
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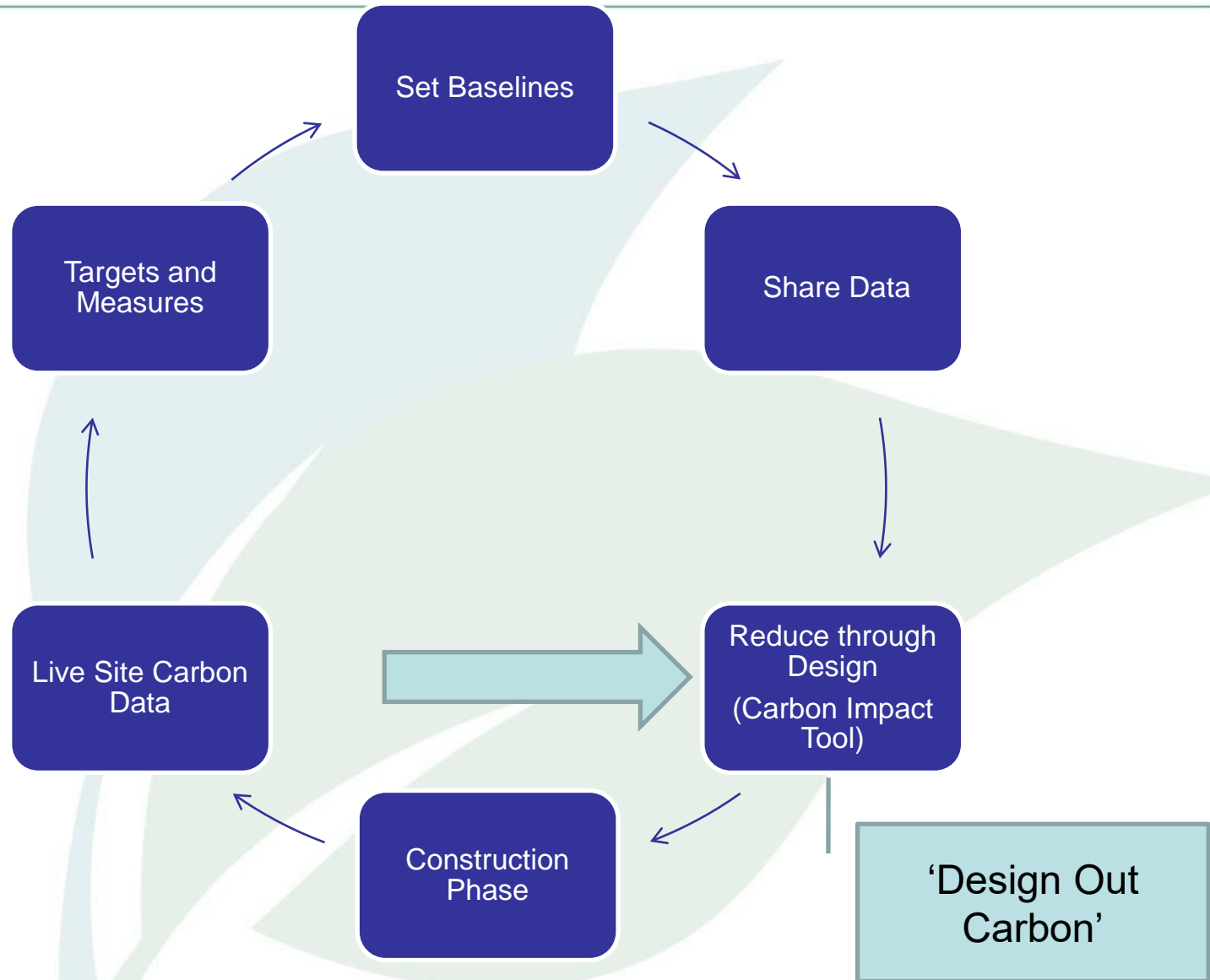
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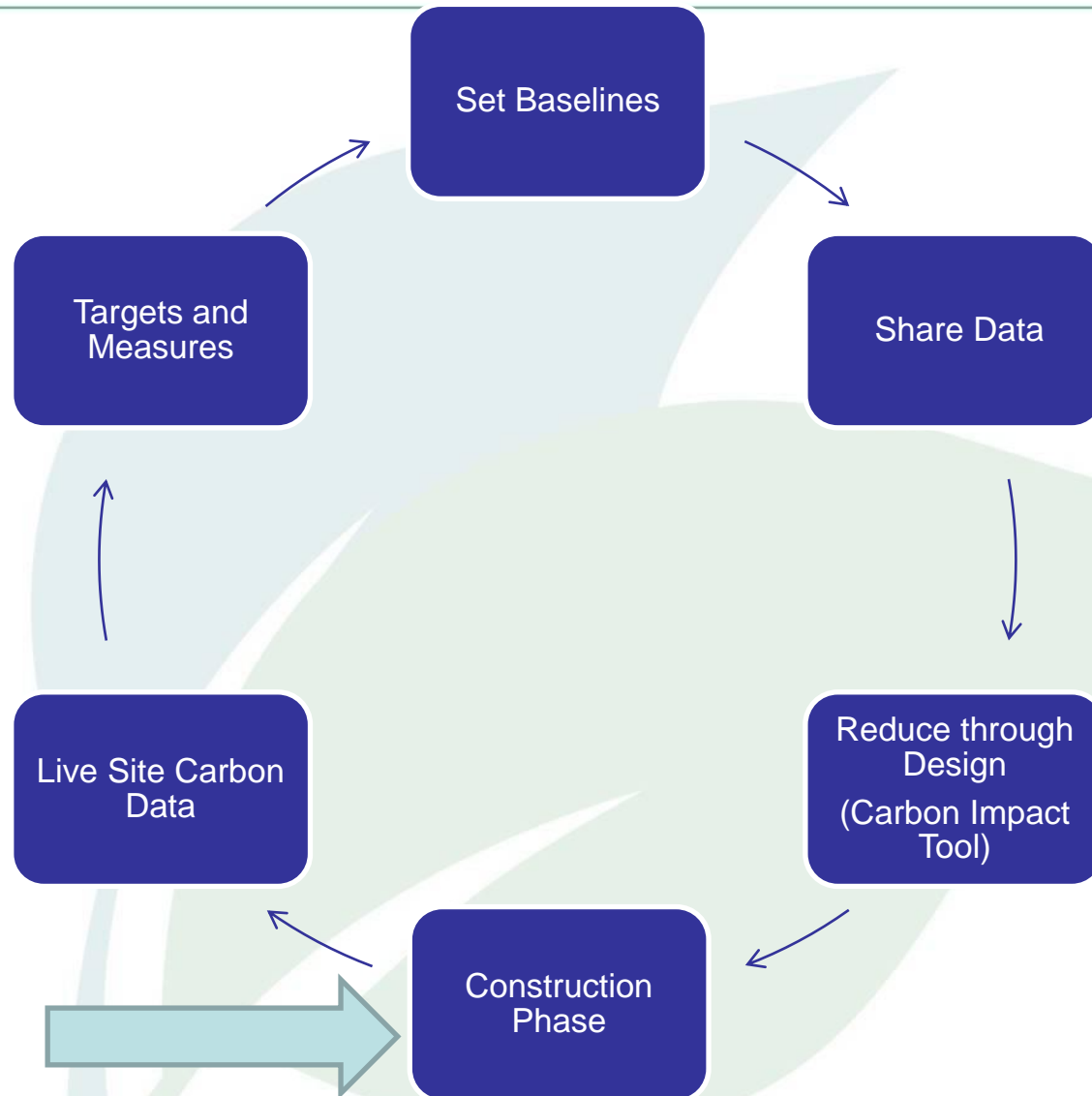
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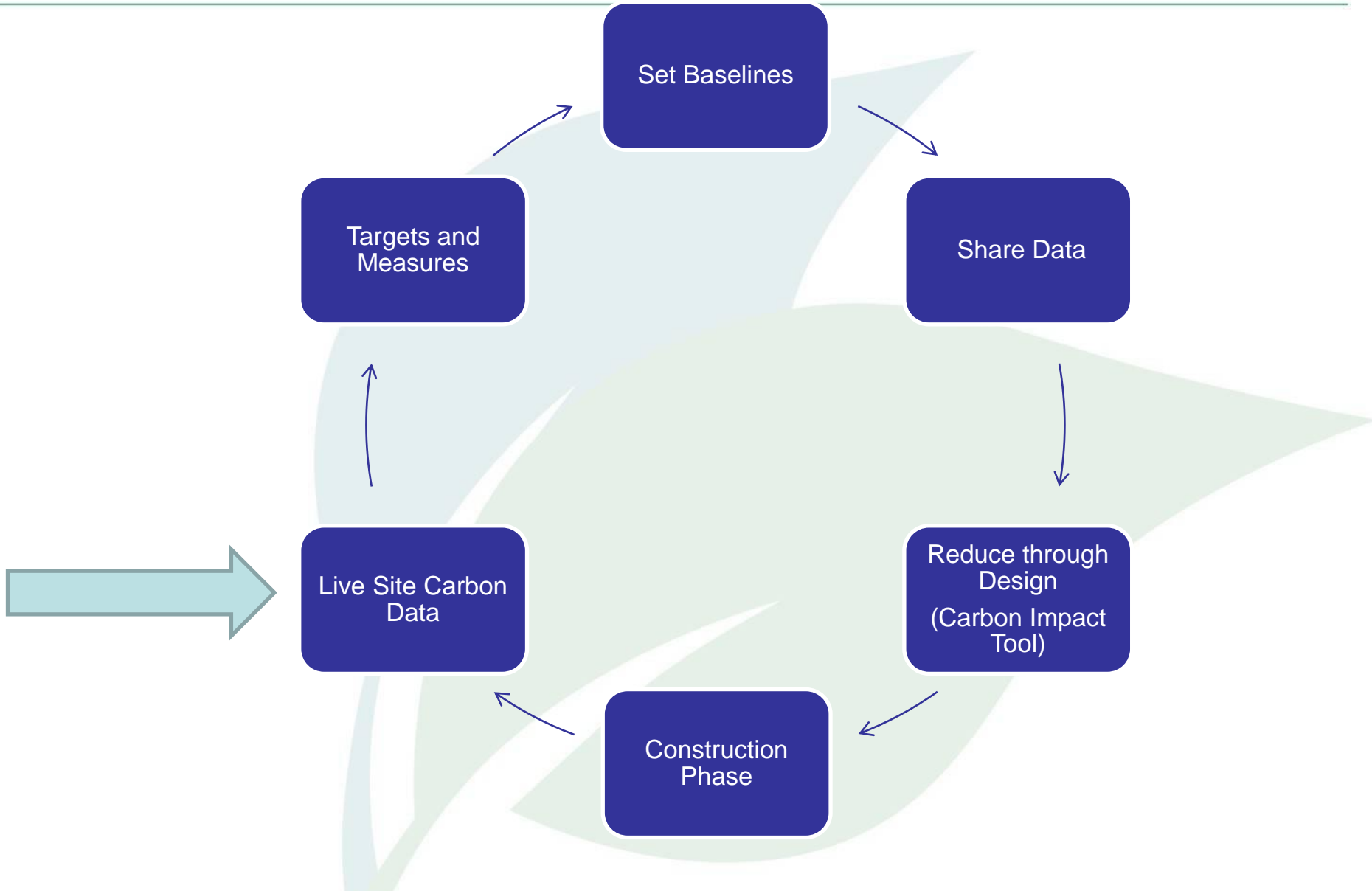
The Business Model



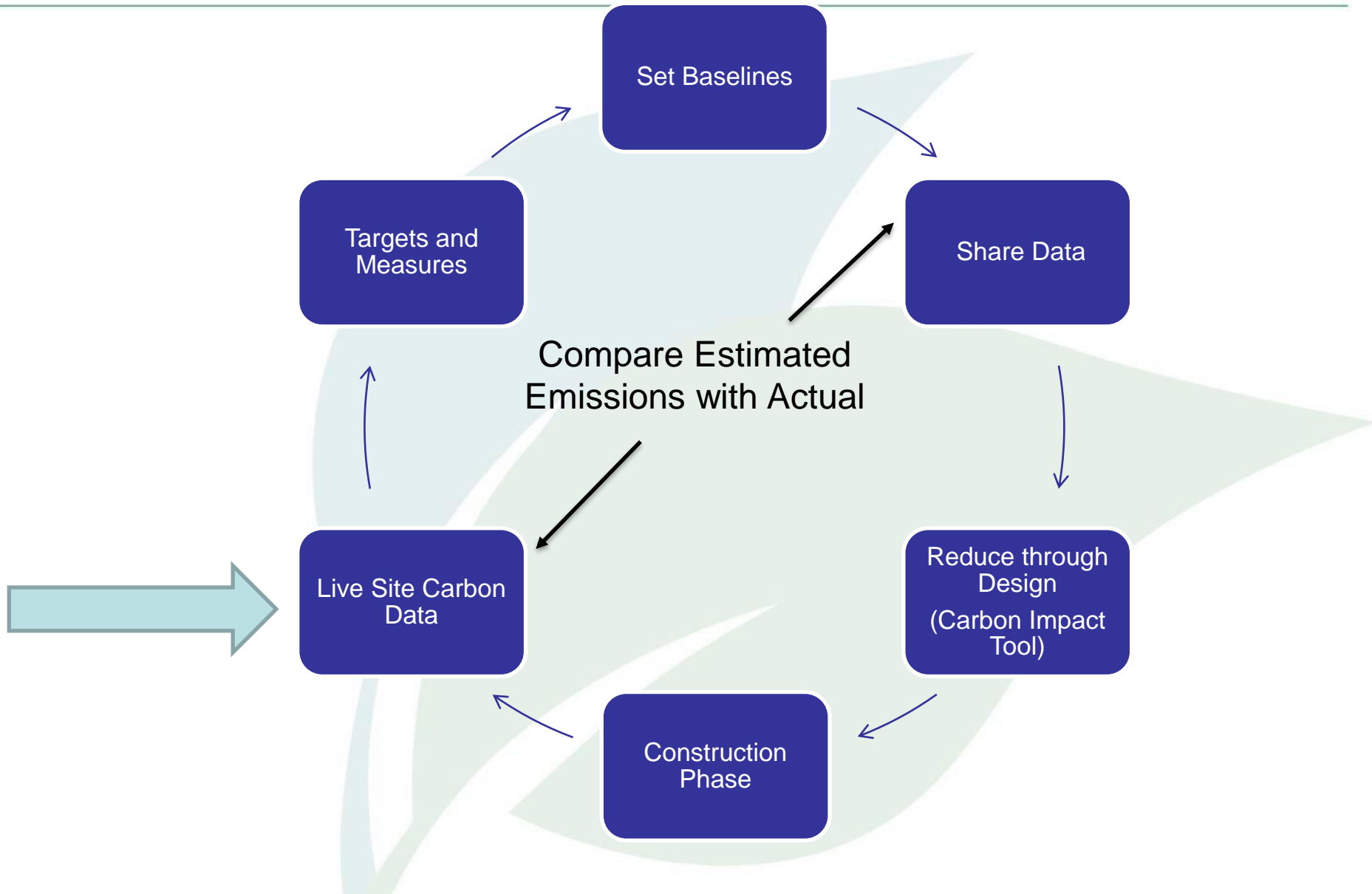
The Business Model



The Business Model



The Business Model

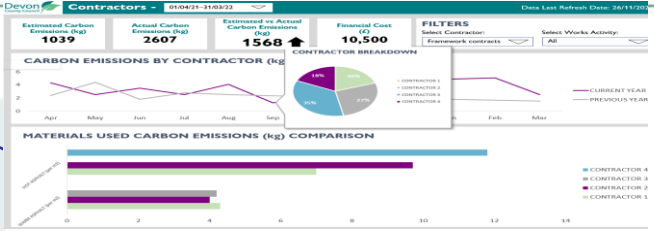


The Business Model

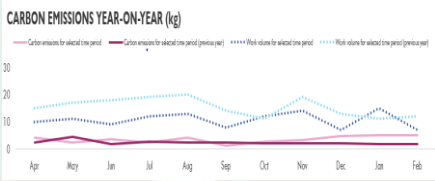
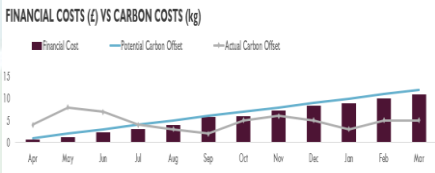
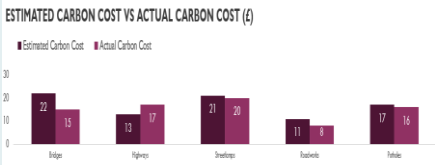


Targets and Measures

Set Baselines



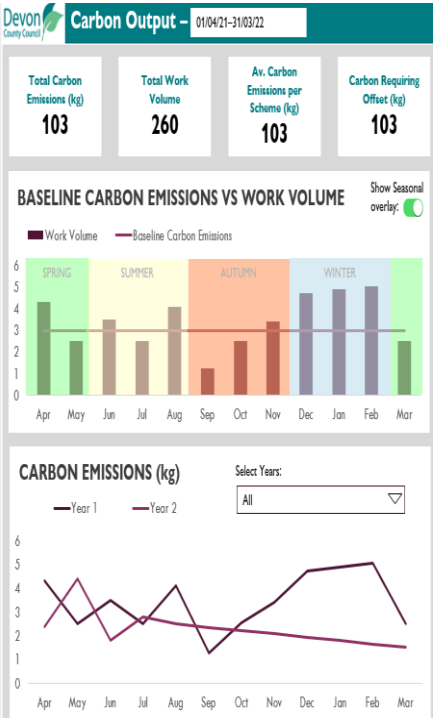
Share Data



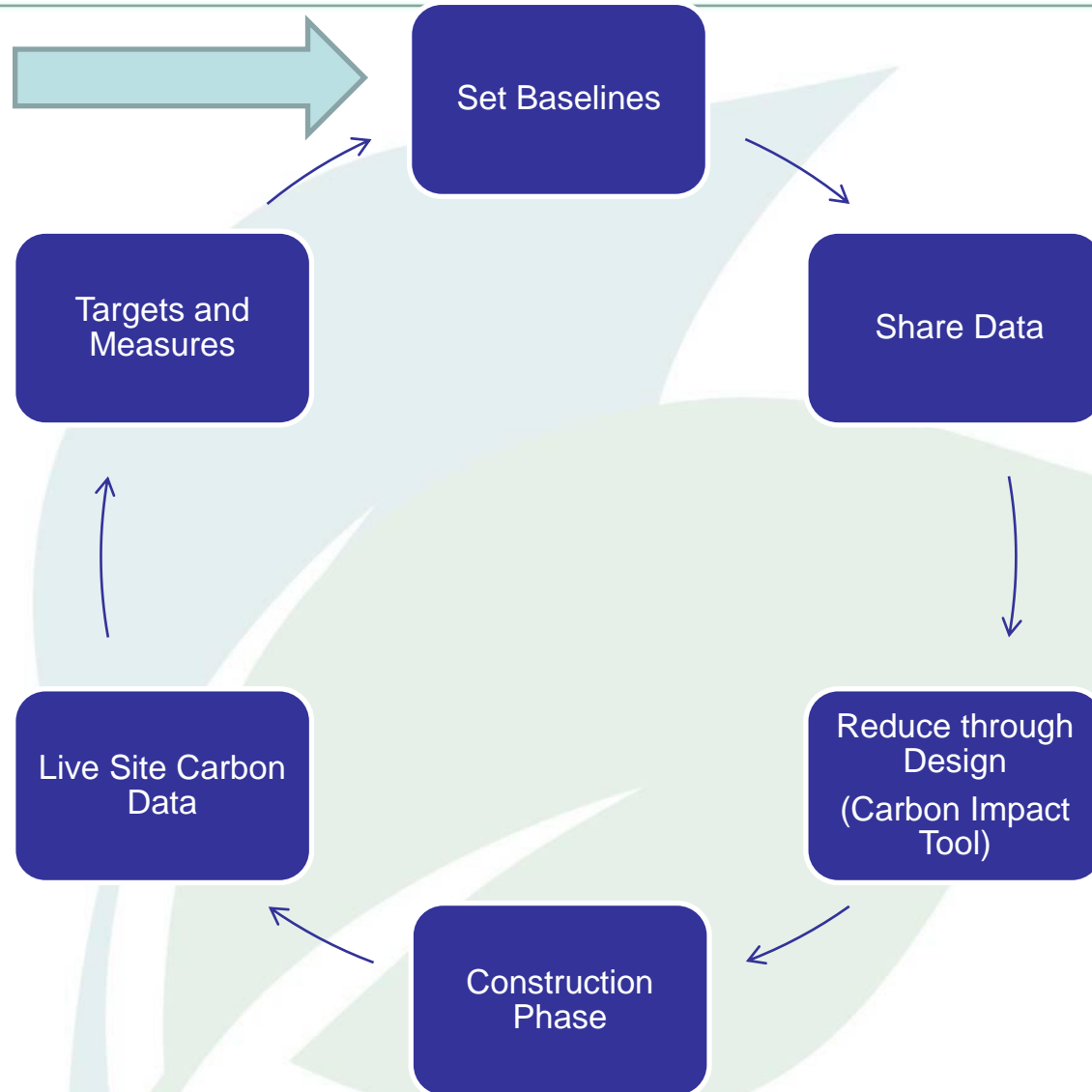
Live Site Carbon Data

Reduce through Design (Carbon Impact Tool)

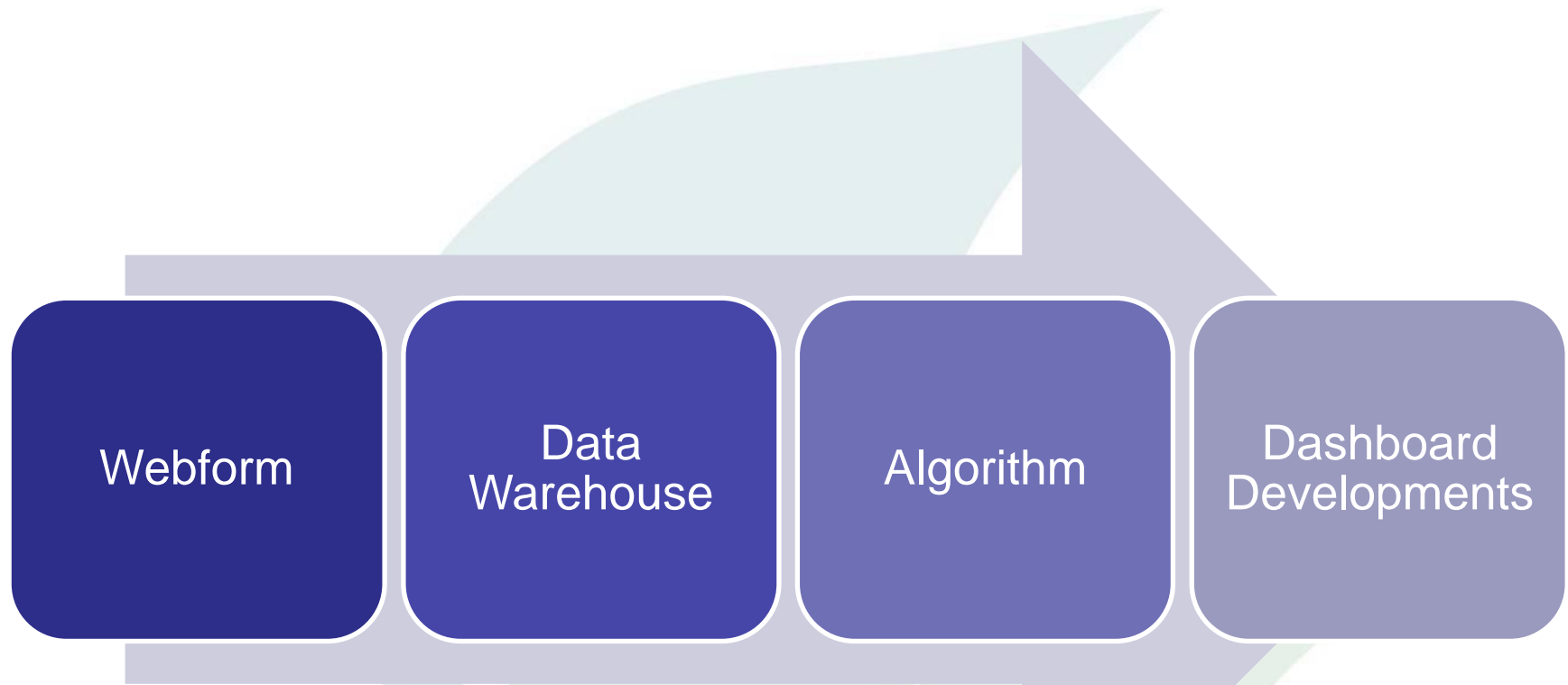
Construction Phase



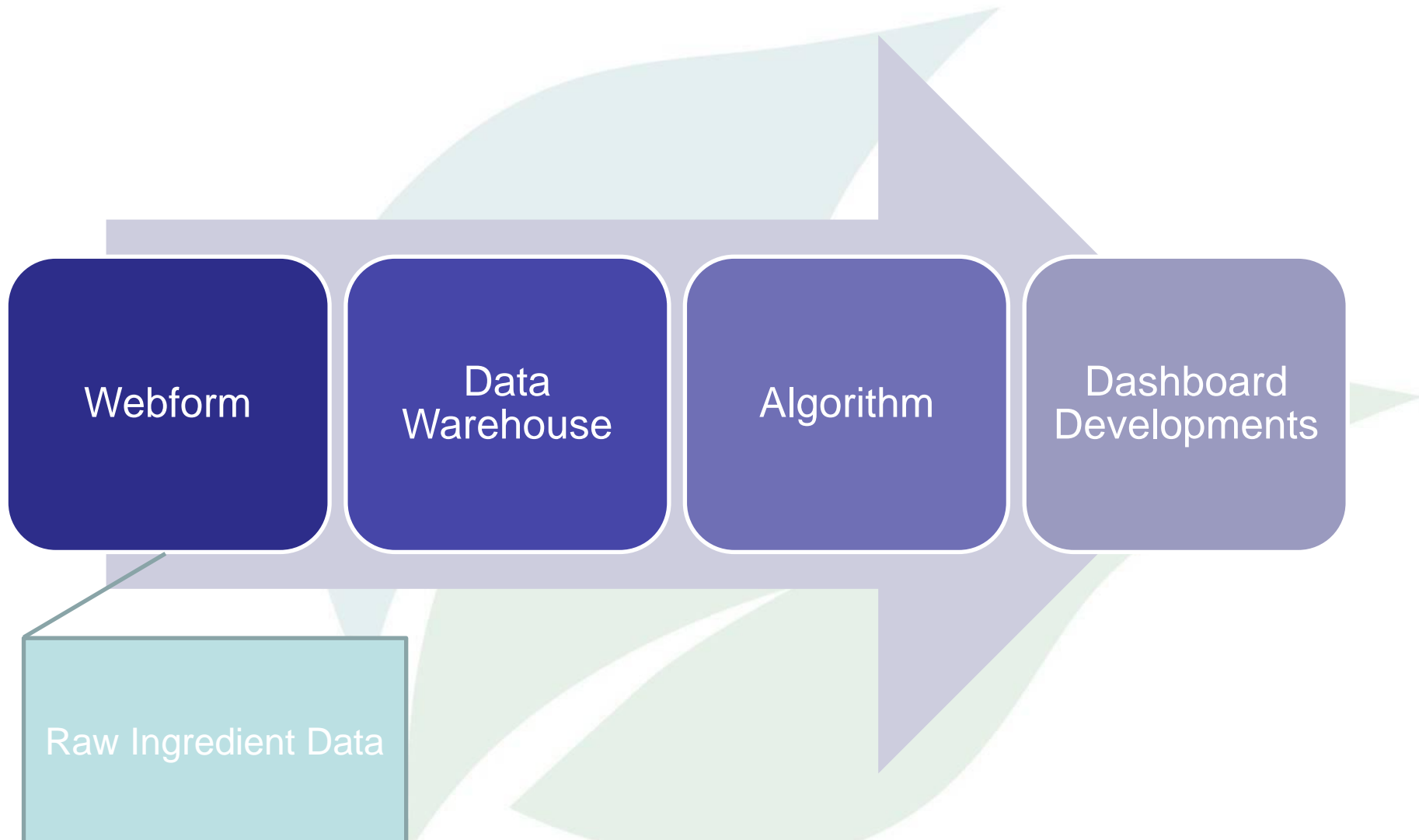
The Business Model




Automated Process




Automated Process



How will we Share Data?

Devon County Council  News centre Pinpoint A to Z Help ▾ Search devon.gov.uk

 **Devon County Council**
Devon County Council

Main title

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.

Once you have completed a section, you can review and amend your responses by returning to that section.

You have completed 0 of 2 sections

1. Section

[Work details](#) To do

2. Section

[Materials](#)

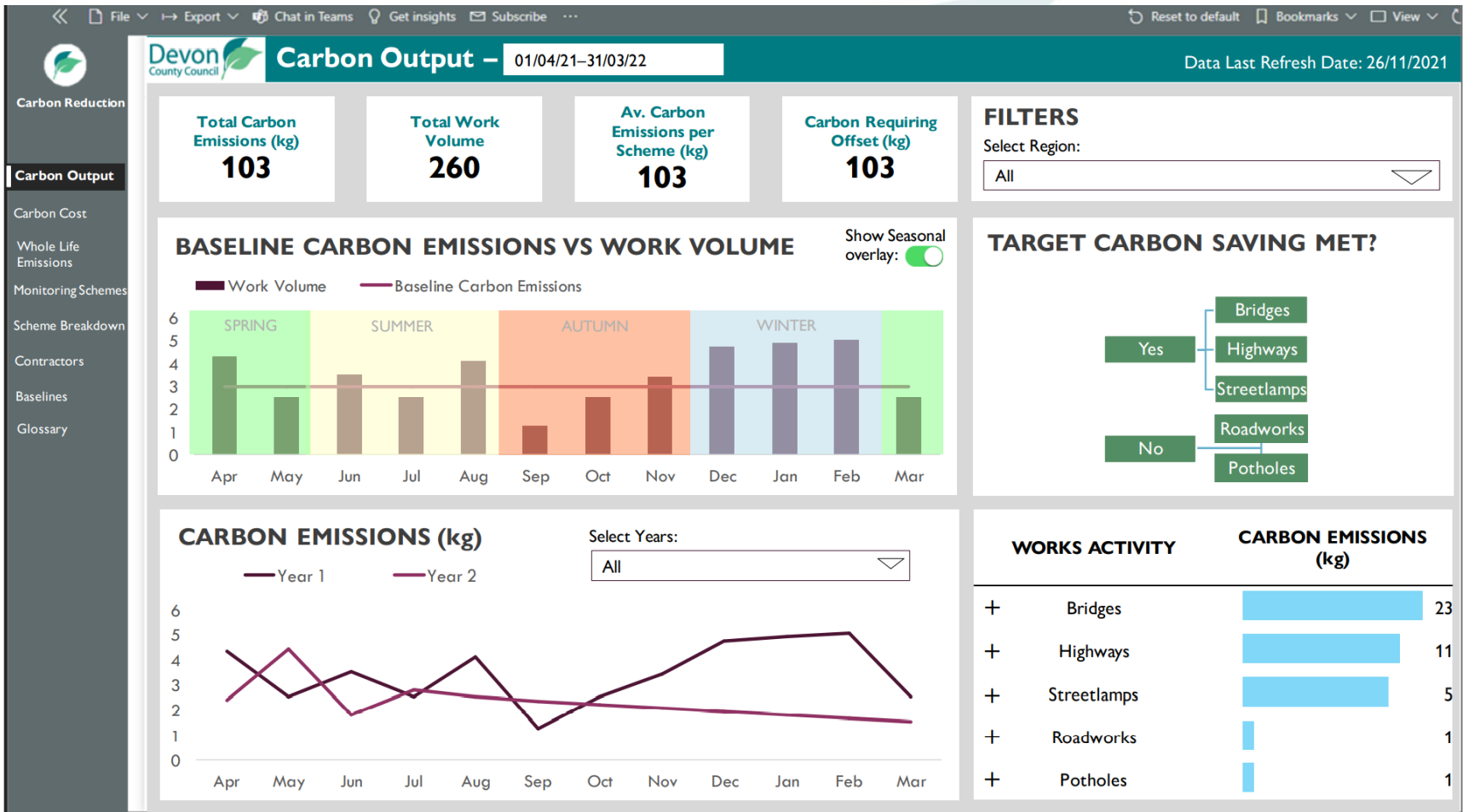
[Plant](#)

[Waste](#)

[Operative travel](#)

Once you have completed all sections, you'll be able to submit your report to the team.

How will we View Data?



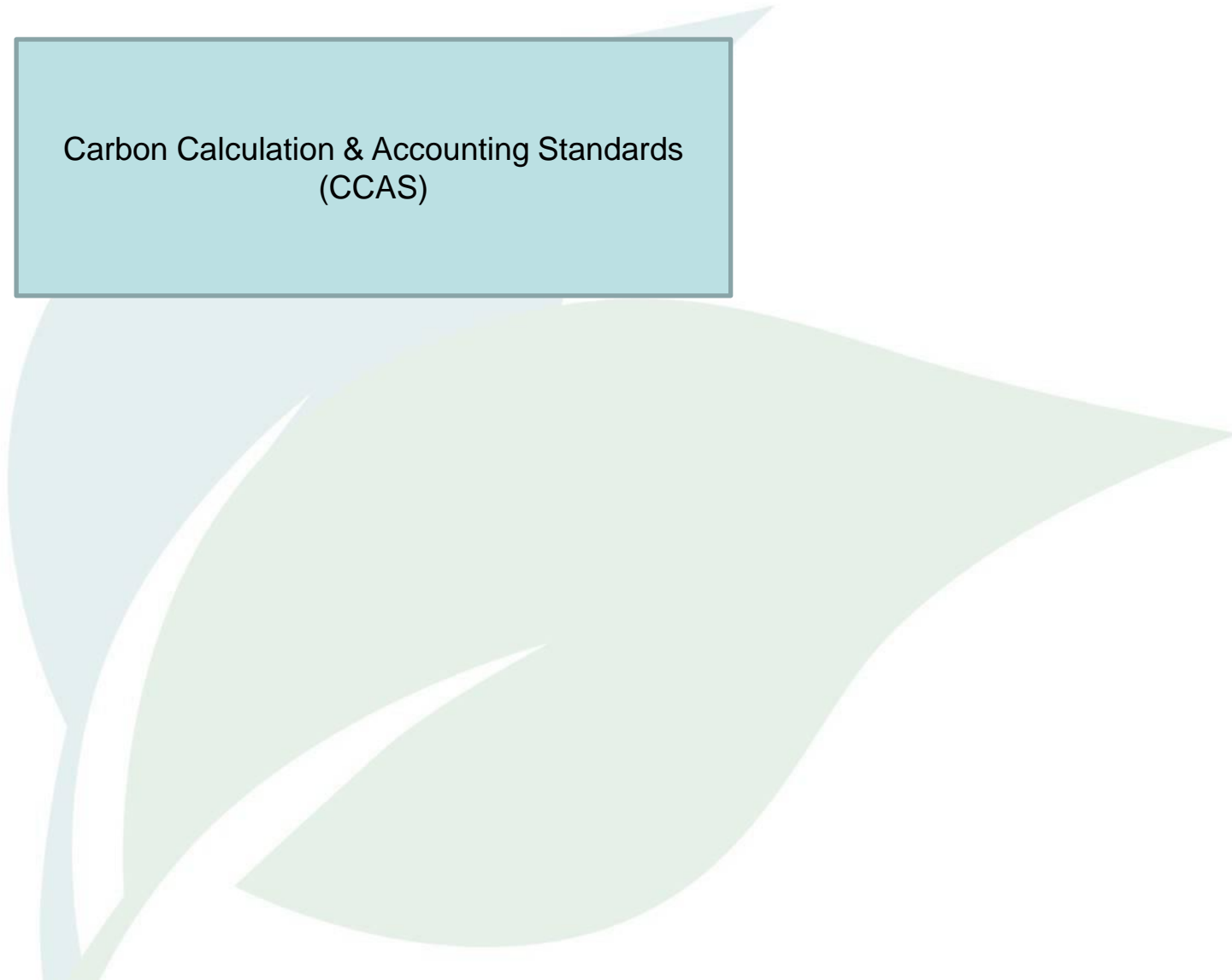
Decision Equipped.

proving

Future Highways



Carbon Calculation & Accounting Standards
(CCAS)



Setting Standards

Carbon Calculation & Accounting Standards
(CCAS)

Drafting Standards
September/October

Testing Standards
November/December

Publish Standards
February/March 2023

Questions
&
Thank you