



Association of Directors of Environment, Economy, Planning & Transport



Live Labs II: Carbon Assessments

Future Highways Research Group



proving ADEPT

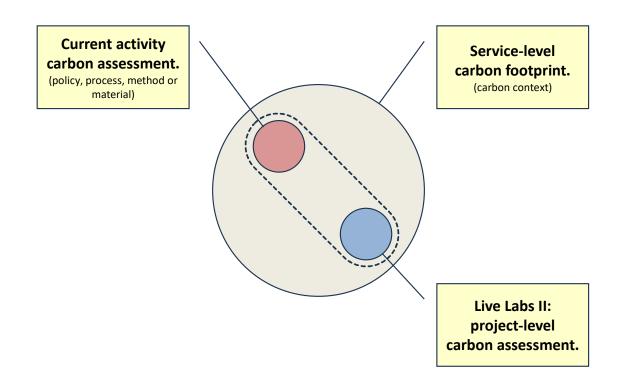
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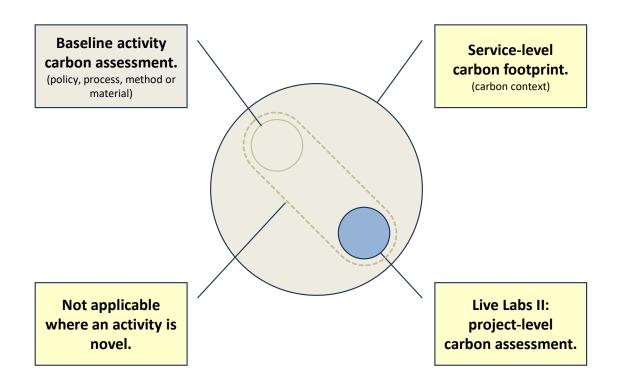
Overview

Live Labs II

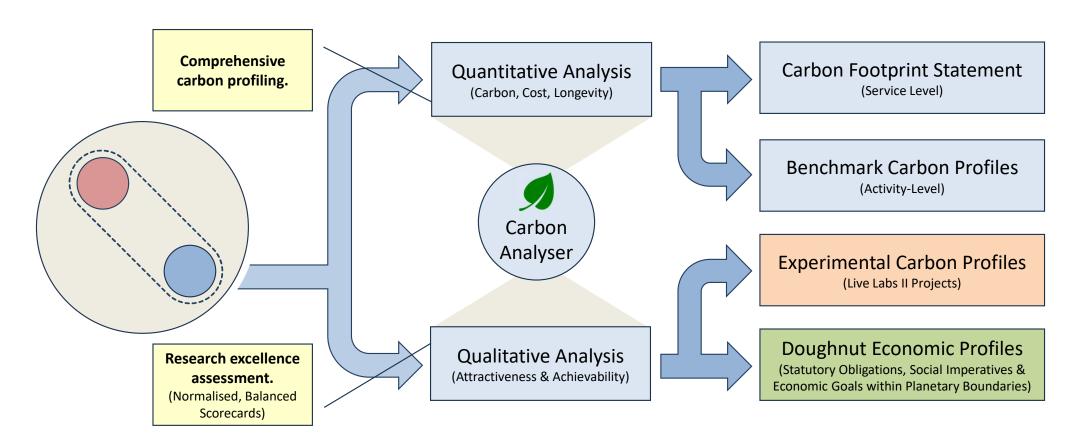












Live Labs II: Scorecards for DE and Innovations

Research Excellence Assurance Example



Attractiveness Analysis

- Strategic Alignment & Contribution
- Whole Lifecycle Carbon Profile (Aligned With EN15978 Modules)
- Weighted Benefits & Dis-Benefits Analysis
 - Class #1 & #2 HM Treasury Benefits)
- Doughnut Economic Modelling
- Wider Sector Benefits
- Constraints Analysis (Costs, Timescales & Resources)
- Scalability & Flexibility
- Consistency & Coherence
- Providers & Partners (Readiness & Capacity)
- Stakeholder Support & Sponsorship

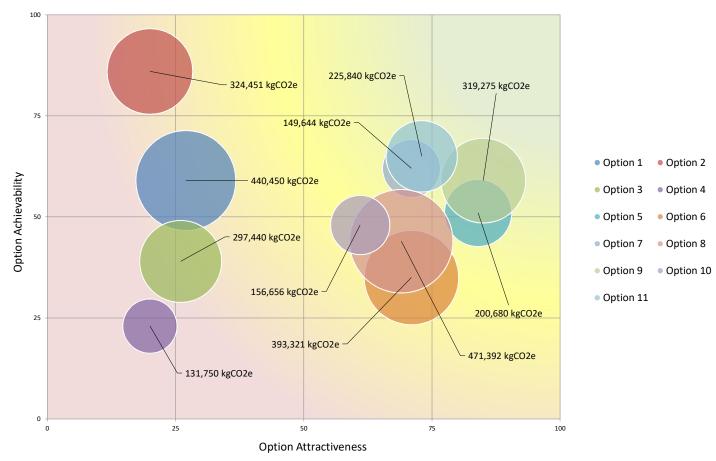
Achievability Analysis

- Experimental Variables & Validity Assurance
- Complexity Assessment (Inherent Risk)
- Affordability
- Resources Competence & Capacity
- Readiness Levels
 - Including TRL considerations
- Stakeholders' Clarity & Perception
- Governance & Accountability
- Alternatives Appraisals

Live Labs II: Options Portfolio Analysis

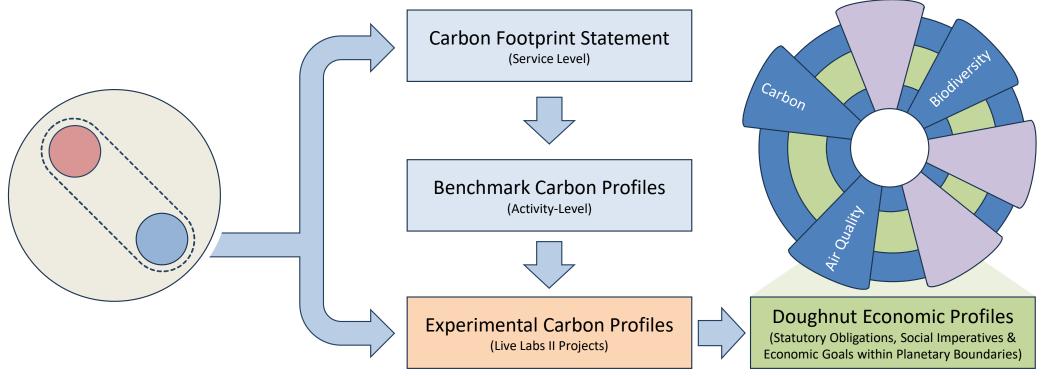


Programme Options Portfolio Analysis (Bubble Size = Carbon Saving (Illustration))



Sector Impact Assessment

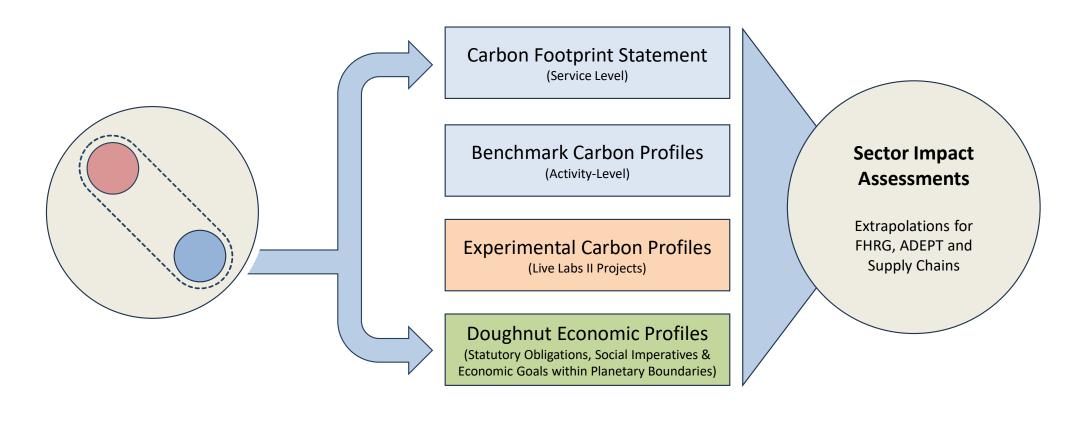




Force Field Analysis (Kurt Lewin)

Sector Impact Assessment







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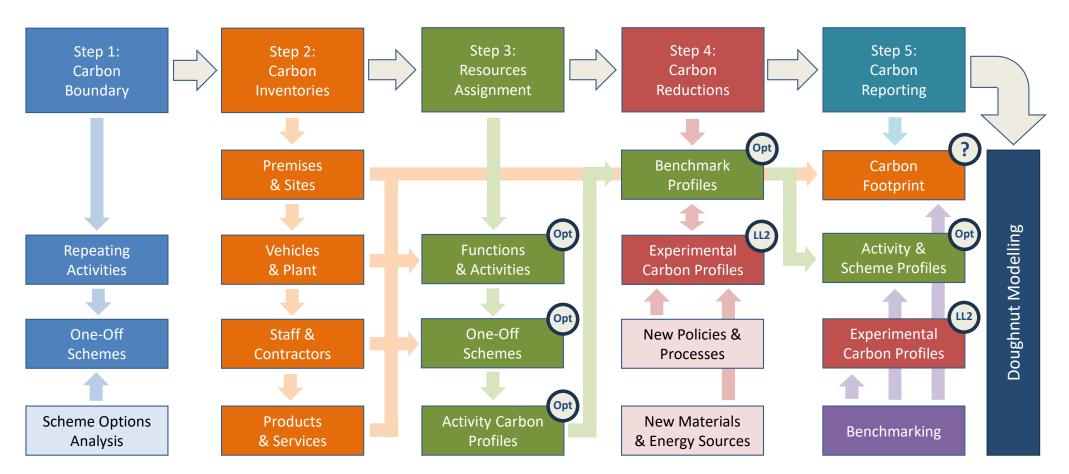
Overview

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Five Step Process

High Accuracy, Low Overhead









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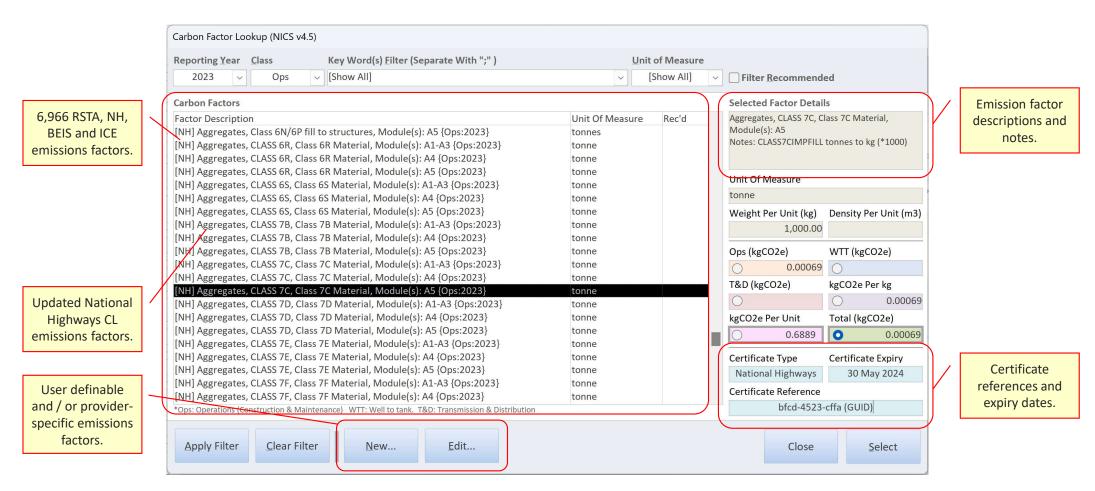
NICS Carbon Factors Dataverse

Live Labs II

National Infrastructure Carbon Schedule (NICS)

A Consistent Carbon Dataverse







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