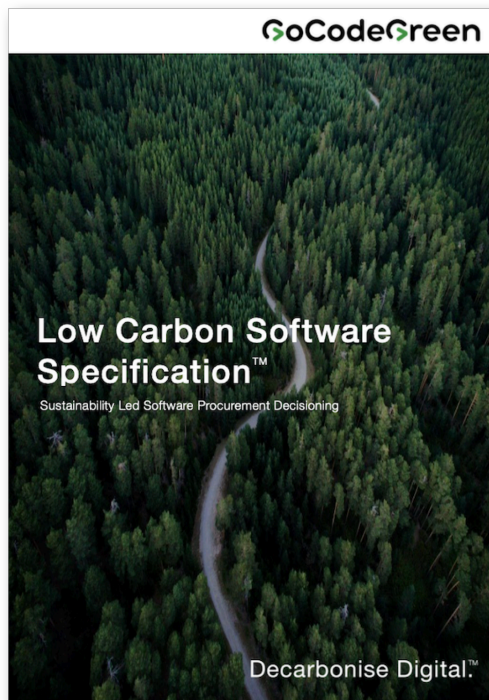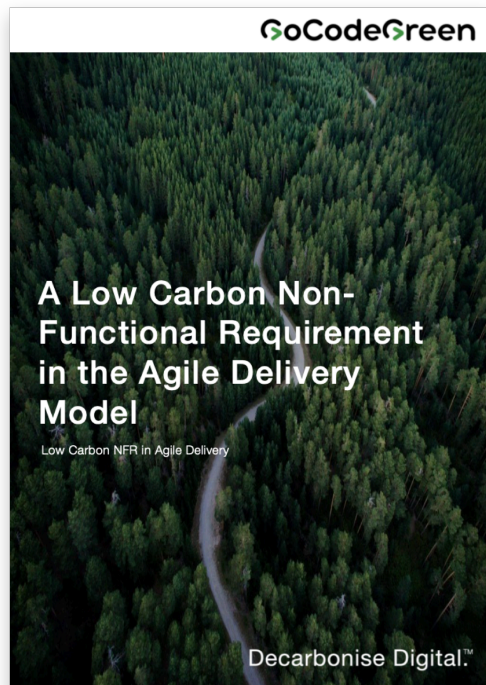# Process Improvement Tools: InfoSheet

Low Carbon Software Specification

The Low Carbon Software Specification (LCSS) is a comprehensive guidance aimed at any organisation that procures software products and wants to understand the carbon impact of the products being selected / purchased. When inserted into the supply chain decisioning process at tender stage, it will help embed software sustainability at the heart of decision making. Add the low carbon credentials of the software vendor and their product alongside traditional selection criteria like functionality, customer, cost and operational risk to drive sustainable software purchasing decisions.

- 10 assessment categories
- 59 weighted criteria requiring vendor response
- Scoring system
- Modelled 'best-in-class' response for comparison purposes
- Informs software selection and the carbon impact of new product purchases

Low Carbon Non-Functional Requirement Specification

Proactive carbon impact reduction for digital products originates at early stage design. The Low Carbon Non-Functional Requirement (NFR) Specification forms a persistent constraint for any new software project and builds carbon awareness into new digital products and services whilst helping to embed a culture of decarbonisation within the software development process.

- Low Carbon NFR definition
- Eases syndication with product management and owners
- Measurable and target based NFR
- Trackable through agile delivery processes
- Provides a modelled example

DevSustainOps

DevSustainOps

DevSustainOps is the management practice of embedding and integrating sustainability into the delivery, development and operation of software and digital product and services.

DevSustainOps is the intersection between DevOps and FinOps. The purpose is to connect and leverage all of the efficiencies, principles, best practices and automation of DevOps and FinOps to accelerate the embedding of sustainability into software development, design engineering and operation.

- Simplicity
- Embed into DevOps and FinOps frameworks
- Immediate reduction action and impact
- Measurable

The management practice of embedding and integrating sustainability into the delivery, development and operation of digital product and services.

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