

# Query Demonstrations — Governance Intelligence Platform

Q1

## Governance Pathway Query

What instruments govern Design for Disassembly (DfD) in Australia?

### Key Findings:

Based on the structured knowledge graph data and evidence provided, the governance of Design for Disassembly practices in Australia operates through the following instruments and requirements: Two primary policy instruments govern DfD practices in Australia: 1. National Circular Design Standards - This instrument formally REQUIRES Design for Disassembly practices [Source: Knowledge graph data, Australia jurisdiction] 2. Government Policies - These also REQUIRE DfD implementation [Source: Knowledge graph data, Australia jurisdiction]

instruments: 2 | requirements: 1 | enablers: 3 | barriers: 2 | outcomes: 23

Q2

## Jurisdictional Comparison

How do VIC, NSW, and QLD compare in circular economy instruments?

### Key Findings:

Based on the structured knowledge graph data, there are significant differences in the documented circular economy instruments across these three jurisdictions. Victoria and New South Wales each have three identified instruments, while Queensland has zero documented circular economy instruments in the provided data. Victoria has established three distinct policy instruments: 1. Recycling Victoria: A New Economy (2020) - A comprehensive circular economy strategy 2. Recycled First Policy - Focused on procurement and material use requirements

Victoria: 3 | New South Wales: 3 | Queensland: 0

Q3

## Gap Analysis

Which practices face barriers without enabling policy support?

### Key Findings:

Based on the structured knowledge graph analysis of 427 circular construction practices in Australia, several critical practices face significant barriers yet lack enabling instruments or policy support. These represent the most severe governance gaps requiring urgent attention. Selective Deconstruction emerges as the practice with the highest barrier burden (6 distinct barriers) and complete absence of policy support: Barriers identified: - Time Constraints (cited twice, indicating severity) - Cost Barriers - Skill Gaps - Economic Balance challenges

Q4

## Evidence-Grounded Q&A

How do material passports support building deconstruction in Australia?

### Key Findings:

Material passports serve as critical enablers of building deconstruction through several interconnected mechanisms: Material passports directly enable selective demolition practices by providing detailed documentation of building components and materials [Source: Knowledge Graph - Material passports ENABLES Selective Demolition]. This documentation supports material recovery outcomes by creating transparency about what materials exist within buildings and their specifications [Source: Knowledge Graph - Material passports ENABLES Material Recover...