

Accelerating
Material Reuse in
Construction

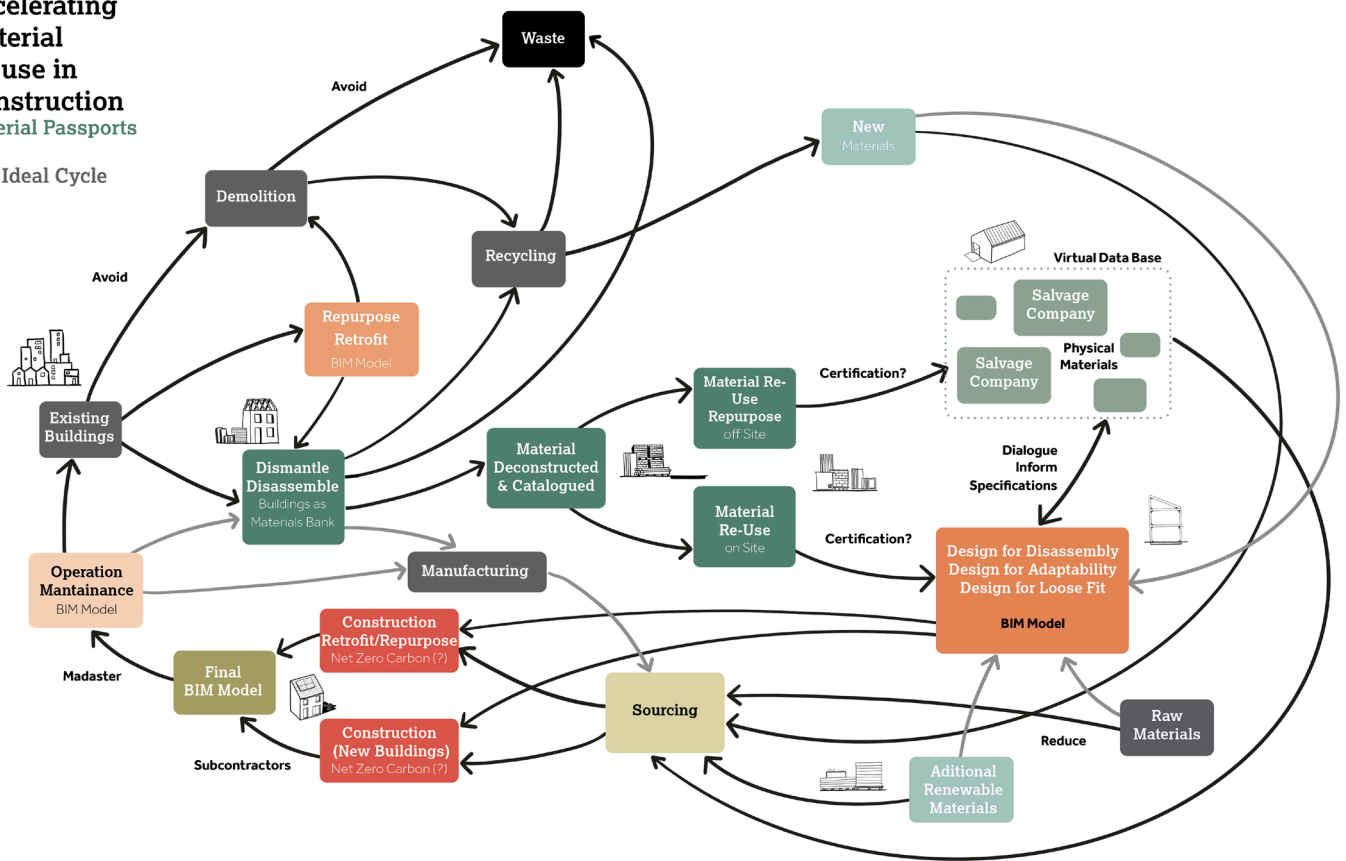


Material Passports Data workshop

12th July 2023

Orms Architects | London

**Accelerating
Material
Re-use in
Construction**
Material Passports
The Ideal Cycle



Material Passports Data workshop

‘The UK is required to achieve Net Zero by 2050 and 78% reductions by 2035 (...). The built environment is therefore making efforts to decarbonize the delivery of buildings and infrastructure across all professions and disciplines.’ (LETI, 2021)

The industry needs to standardise performance and reporting scopes to meet the Intergovernmental Panel on Climate Change (IPCC) recommendations for urgent emissions reductions. A key issue the industry faces is the lack of consistent measurement and data, leading to mis-aligned benchmarks, project targets and claims.

At present, Ana Rute Costa is an AHRC Innovation Scholar, working on a Material Passport Policy Paper at Orms. Through this work she has connected with other relevant research currently in progress. This workshop will enable us to bring together academia and industry to share best practices and identify future research paths on how to accelerate the use of material passports data in the built environment sector, analyse workflows and identify **path ways to measure, analyse, monitor data and inform future circular economy practices.**

By the end of this workshop, we expect to identify further research areas and possible bid applications, **evolving and linking the information gathered to other emerging industry databases in order to bring more transparency to material passports data usage and circular economy practices.**



Research Question | How material passports data can accelerate material reuse in construction and enable the measurement embodied carbon of materials in a circular economy?

Research Aim | To accelerate material reuse in construction through material passports and identify path ways to measure, analyse, monitor data and inform future circular economy practices.

Workshop Aim | *Identify research gaps, research funding opportunities and possible research collaboration projects.*

Material Passports Data

workshop



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Programme

- 10.00 - 10.30** | Check-in | Coffee and tea
- 10.30 - 10.45** | Participant's Introductions | Expertise on the topic
- 10.45 - 11.00** | Material Passports Data | Introduction of the topic
- 11.00 - 11.30** | Material Passports Data | Group activity
- 11.30 - 11.45** | Coffee Break
- 11.45 - 12.00** | Material Passports Data | Group report
- 12.00 - 12.45** | Material Passports Data Framework
- 12.45 - 13.45** | Lunch & Networking
- 13.45 - 14.45** | Material and Building Passports Templates (University of Sheffield)
- 14.45 - 15.00** | Coffee Break
- 15.00 - 15.45** | Bid-writing Brainstorming: Aims and Research Objectives
- 15.45 - 16.00** | Conclusions and Next Steps

Optional complementary programme

- 16.00 - 18.30 | Networking / Independent work
- 18.30 - 19.30 | Material Passports Working Group Meeting
(wider group of academics and Industry) | Online and In-person
- 19.30 - 20.30 | Networking

RSVP | By 8th June | To: Ana Rute Costa | a.costa@lancaster.ac.uk