Heritage / Waste / Inventories

NEW PARADIGMS / NEW TOOLS

Alison Creba
The majority of Construction, Renovation and Demolition (CRD) waste in Canada is sent to landfills and makes up 16% of total solid waste deposited there (Perry 2014, Jeffery 2011).
Ecology Action Center
Halifax, Nova Scotia
Loblaws Groceteria Company Building
Toronto, Ontario
The Potential Environmental Benefits of Reusable and Recyclable Material Stocks in Toronto’s Single Detached Housing.
Deniz Ergun

Urban Metabolism: how cities acquire, consume, and cycle resources.

Urban Mining: obsolete buildings act as a sort of structured waste deposit within the city
How does a values-based heritage designation contribute to the production of waste?

How are end-of-life building materials demolished/deconstructed?

What waste-management policies/systems exist currently?

How does the management of CRD waste intersect with heritage conservation practices?

How can current modeling systems contribute to nuanced understandings of the heritage values of components and assist in integrating salvage in new construction?

How can existing systems and inventories contribute to a more integrated system of material flow?
Inventories:
Heritage / Waste / Salvage
BIM as an material inventory

Taylor Balodis: *Deconstruction and Design for Disassembly*
Masters Thesis, 2017
Objectives for internship:

- Analysis of existing heritage and waste inventories
- Detailed documentation of relevant case studies and/or survey of ERA’s projects in order to identify overarching questions/barriers/trends
- Draft protocol for creating an inventory of material or elements to be salvaged.