Repair and Reuse in Urban Contexts



Fixfest UK - June 2020 Felipe Schmidt Fonseca

Tonight, 25/06/2020

- 1. Introduction
- 2. Smart Cities
- 3. Waste and Reuse
- 4. Repair Journey
- 5. Design Concepts

1/5 Intro









This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 813508.

OpenDoTT (Open Design of Trusted Things) "is a PhD programme* to explore how to build a more open, secure, and trustworthy Internet of Things". I have moved to Dundee to work at the Duncan of Jordanstone College of Art and Design in the first phase of the programme, and will be relocating to Berlin soon.

My topic in the project is "smart cities". I am documenting in this blog what I am reading, learning and discovering as I go deeper into my research. I will also maintain a list of links with the *opendott* tag in my infinite bookmark collection..

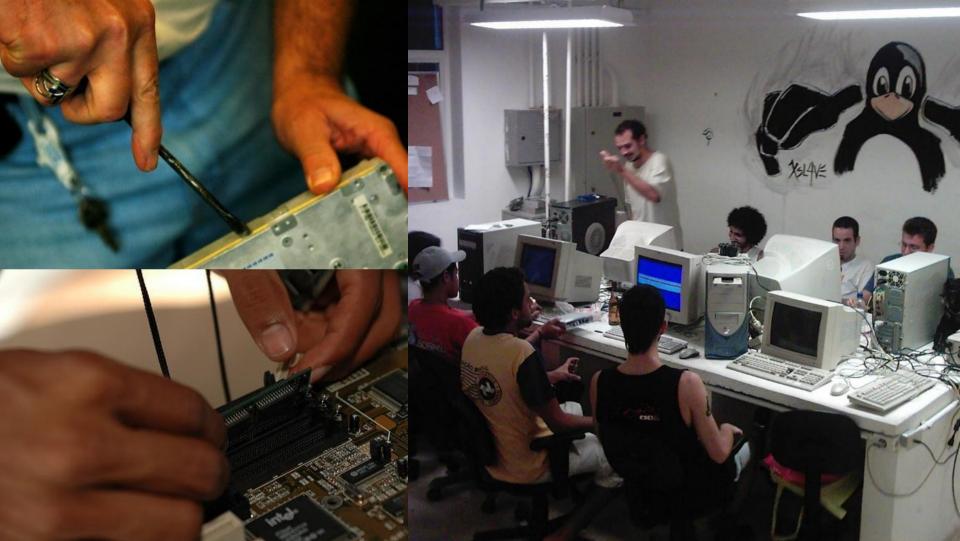


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* The project started as a partnership between the University of Dundee and Mozilla Foundation.

By mid 2020 it is migrating to the Northumbria University

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2/5 Smart Cities















































3/5 Waste and Reuse



CC-BY Kevin Dooley https://www.flickr.com/photos/pagedooley/8435953365







4/5 Repair Journey







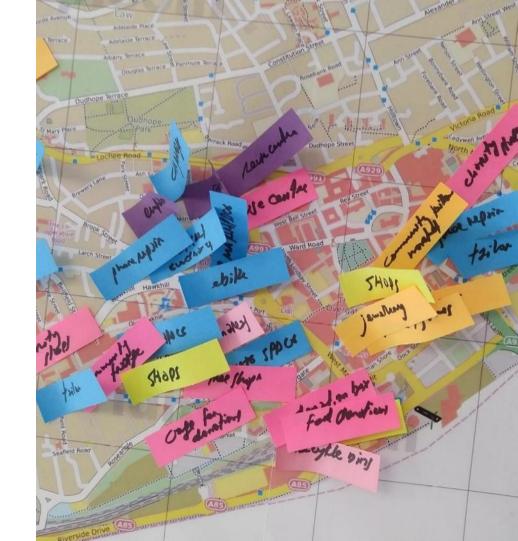
Decision flow - value





Mapping repair and reuse in Dundee

Systems view Inform subsequent research plan



Repair Journey

"The research will investigate in what ways can materials that are broken, obsolete or otherwise inadequate be repaired, adapted or transformed in urban contexts. In particular, the study expects to understand how the value of an object is perceived in different situations. It is part of a wider research project investigating alternatives for handling discarded materials in the city. You will be a central part of this exercise by sharing your experience on how materials can brattpsatasformed. bogathpäir-diaries/



Ecosystem Mapping

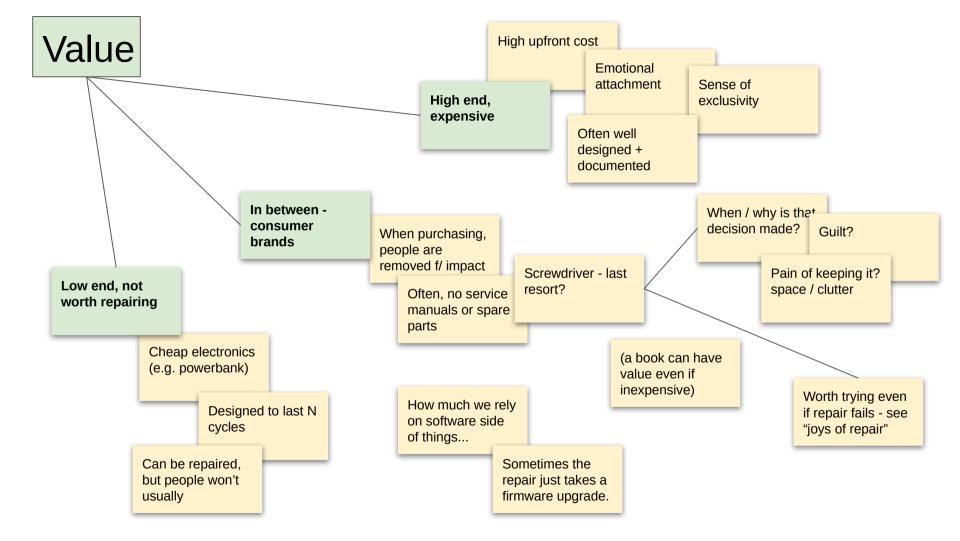
"The goal of the project is to understand how discarded materials circulate in the urban context, as well as where and how they are handled and transformed. I'll be looking particularly into how potential value is assessed in different kinds of facilities, and what types of equipment, methodologies and data sources can aid in that."

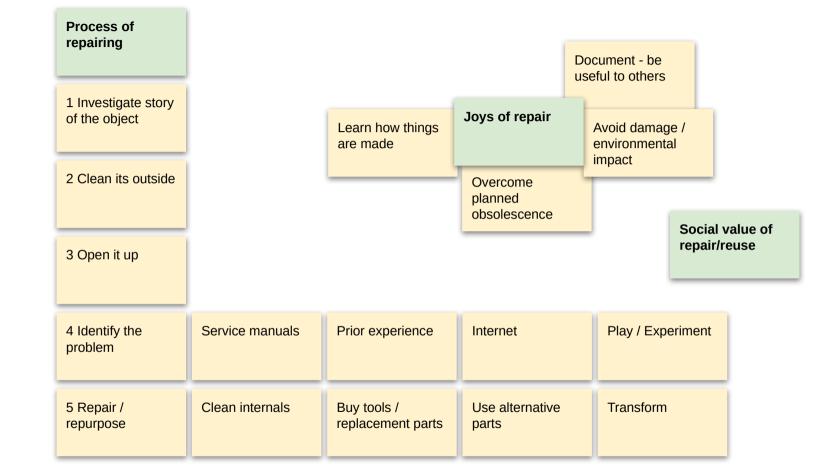
Actors operating in the reuse / repair space

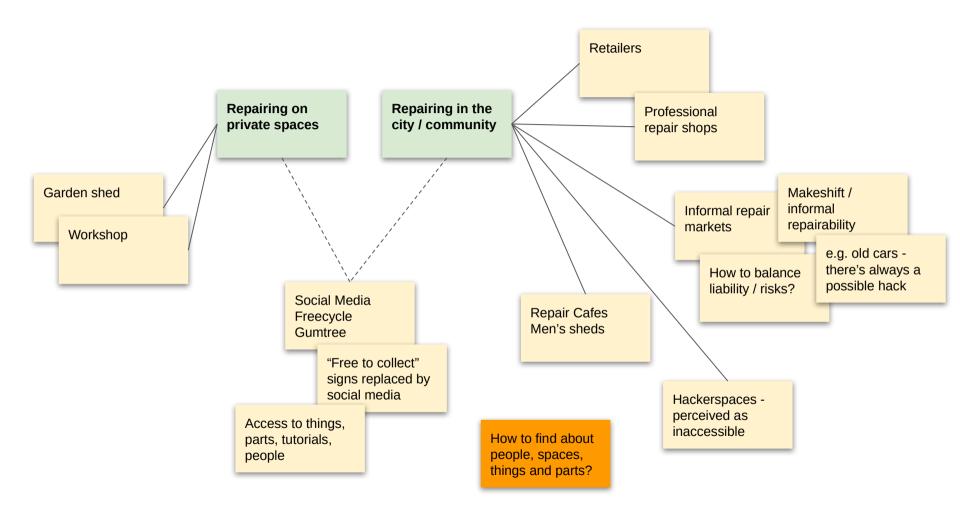
- Repair/mend/customize shops
- Pawn brokers / cash generation
- Hardware stores
- Charity shops
- Jumble Sales / Car trunk sales
- Ebay / Gumtree / FB Market ...

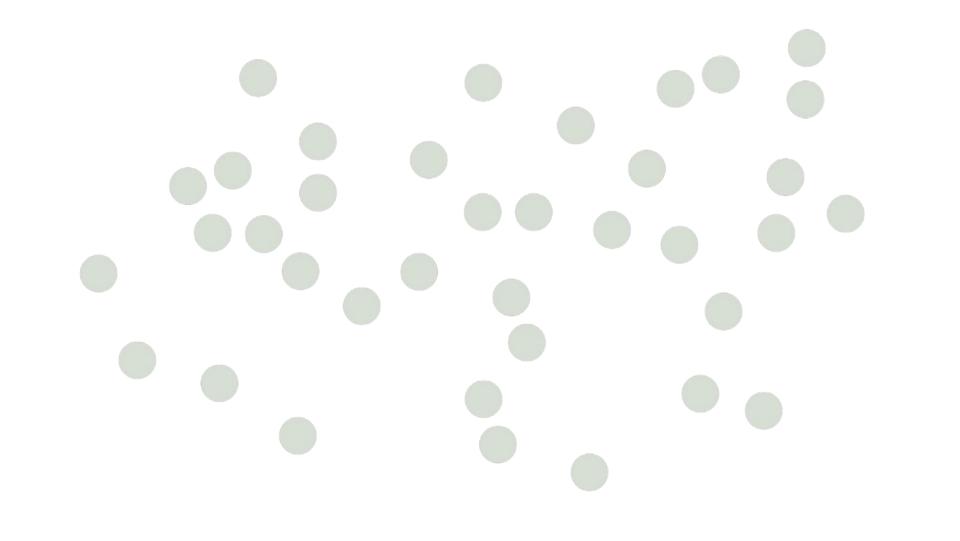
- LA reuse schemes
- Makerspaces / hackerspaces
- Men's sheds
- Repair cafes
- Cloth exchange events

5/5 Design Concepts





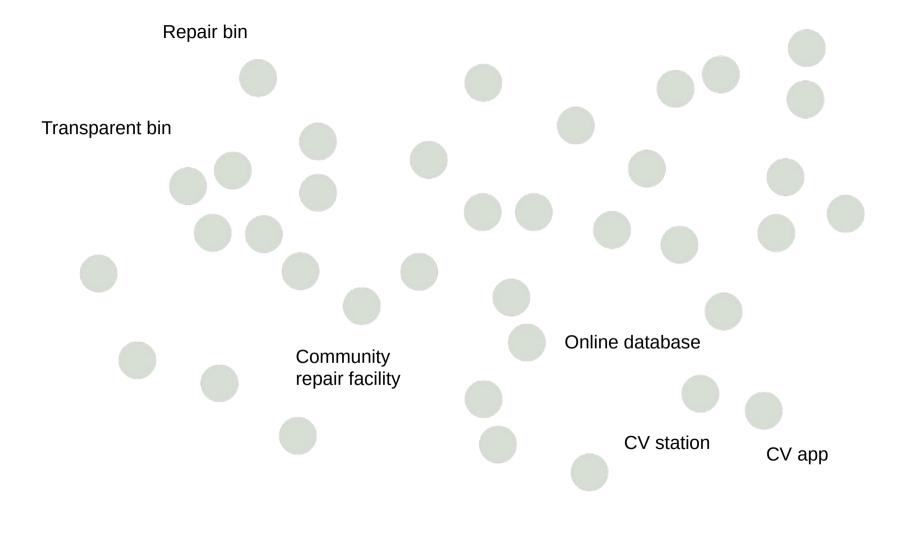


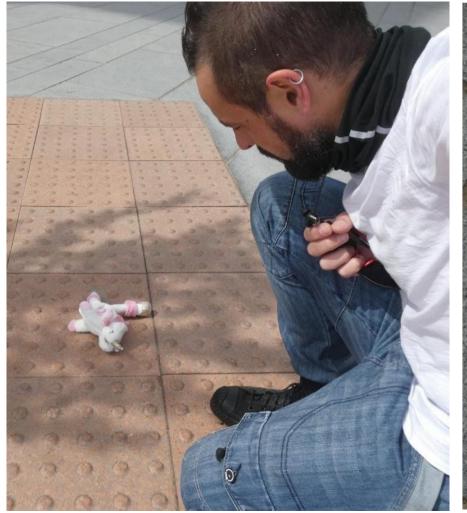


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Thanks!

Learn more about my research:

https://is.efeefe.me/opendott