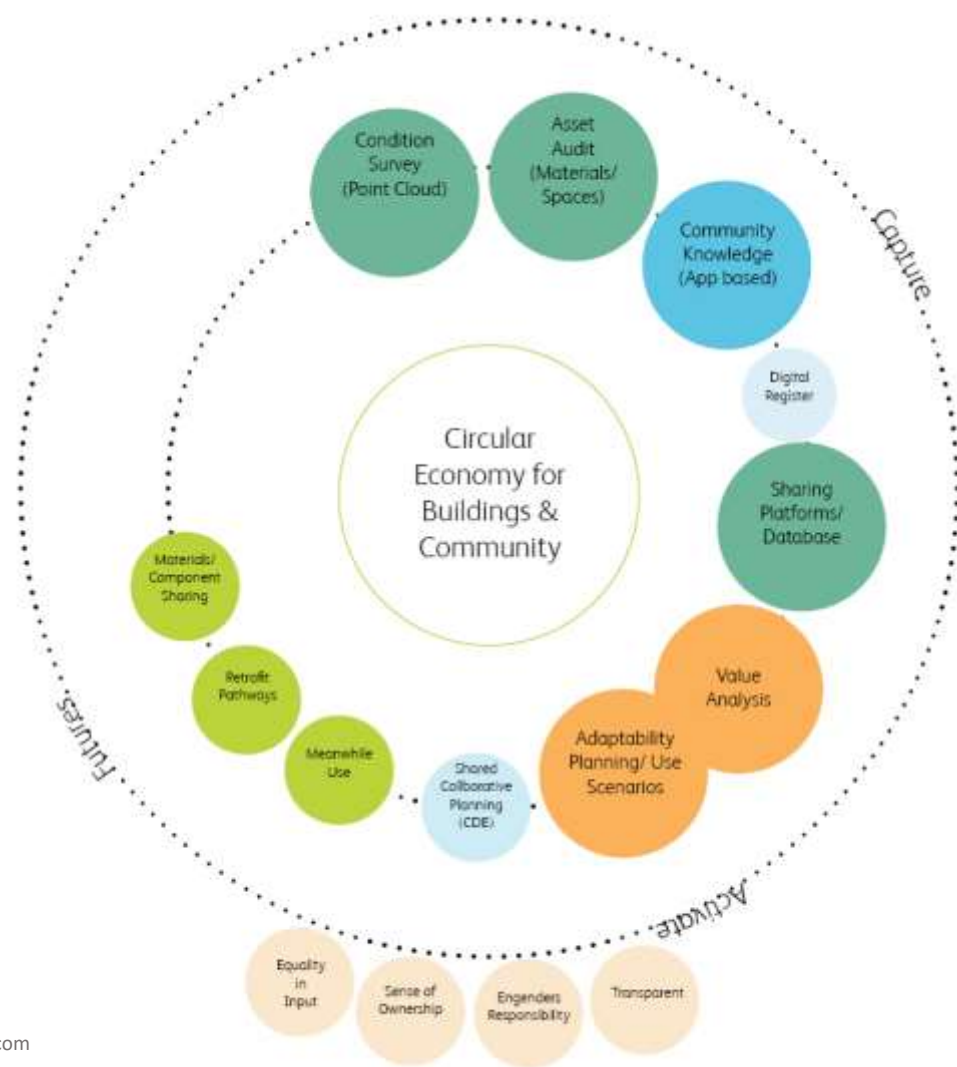
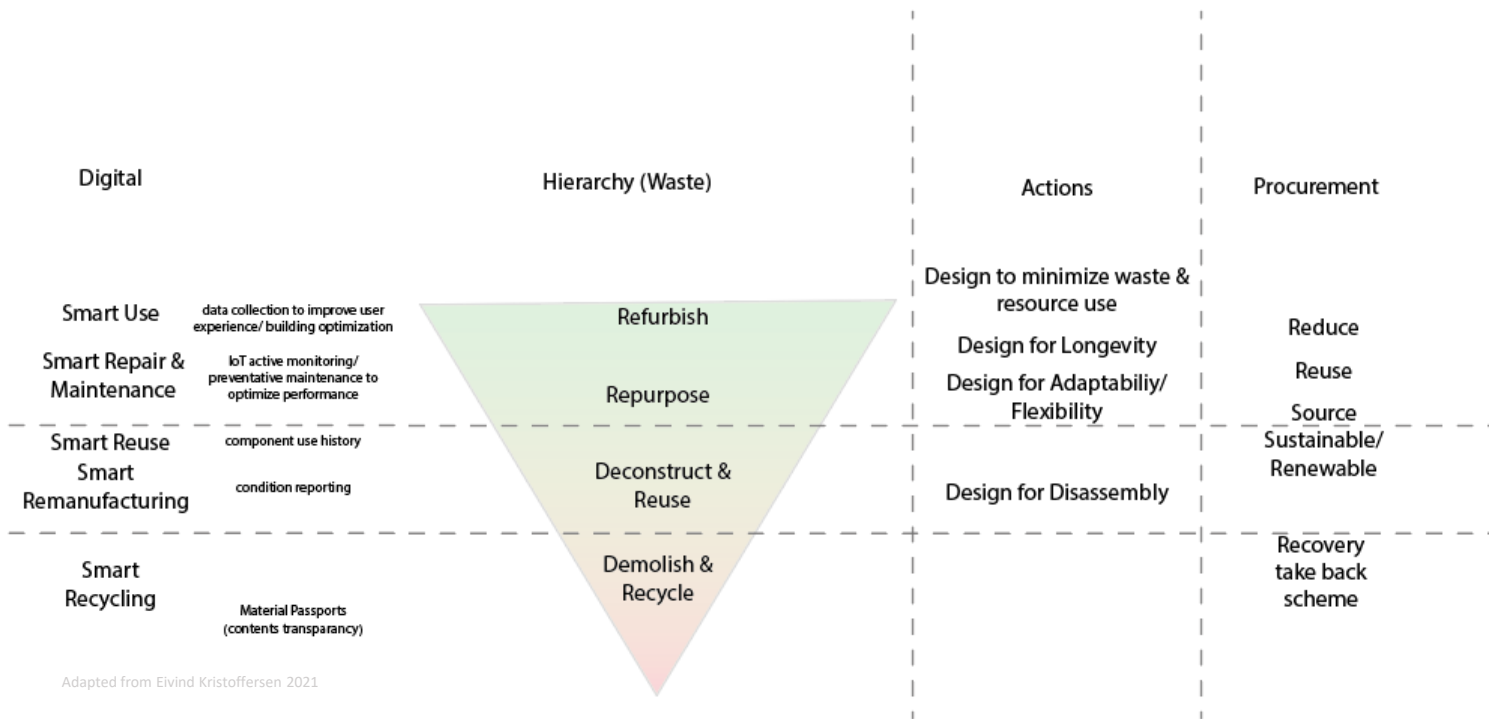


BIM Data to support a Circular Economy based approach to Retrofit

Niall O Cleirigh | PAC Studio



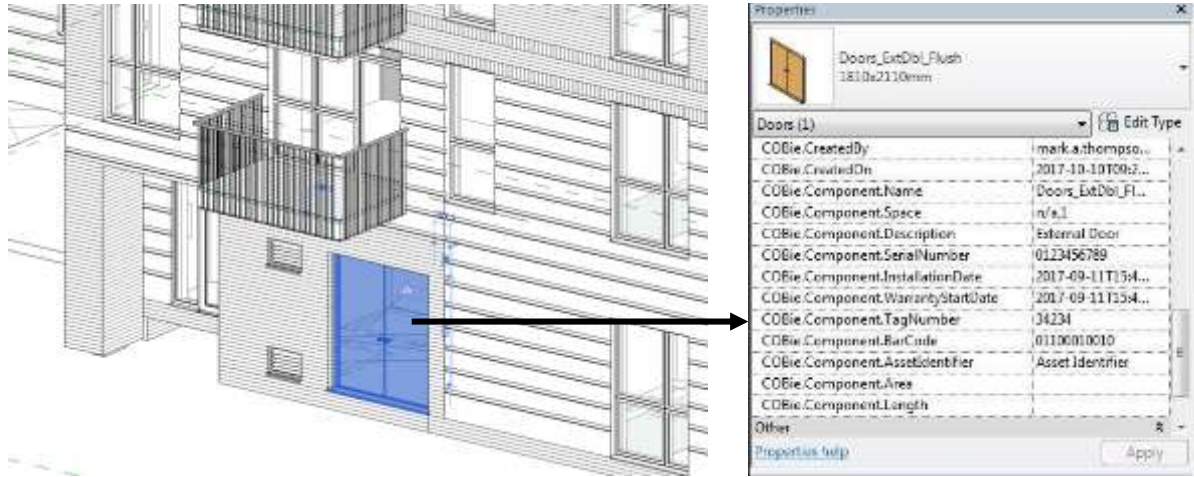
eliminating waste by maintaining a product/ service at its highest utility value



Adapted from Eivind Kristoffersen 2021



Smart Asset Management



AIM (Asset Information Model)

Digital Twin



Smart Asset Management

AIM (Asset Information Model)

Elemental Asset Data



Twinview 2020



Material Passports



O&M Manuals



3D/ 2D Building Information

Digital Twin



Insight



Smart Controls/ Monitoring



Systems Analysis

Occupant Feedback



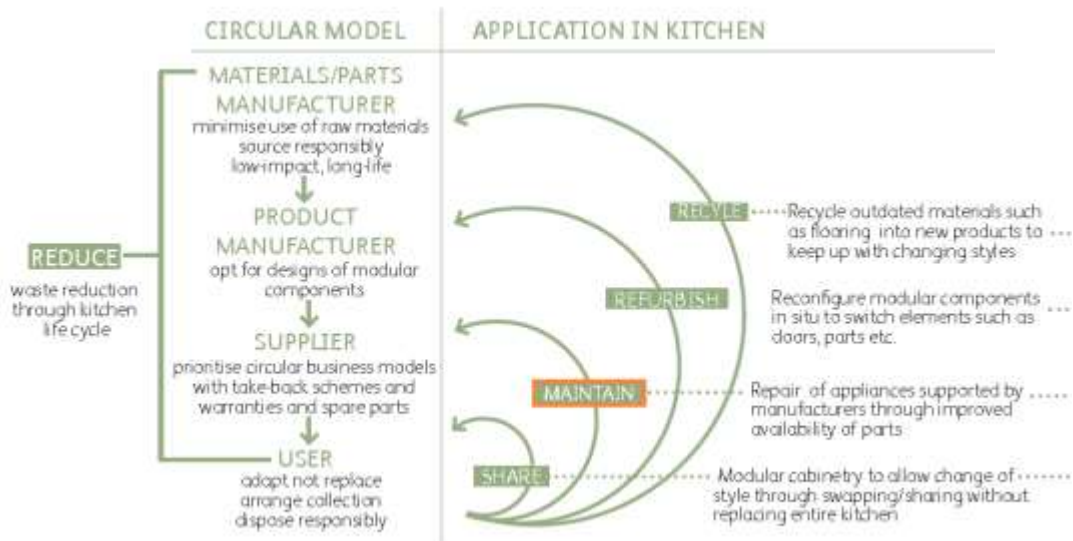
Occupant Reporting

Building Passports/ Asset Mgmt.



Material Passports

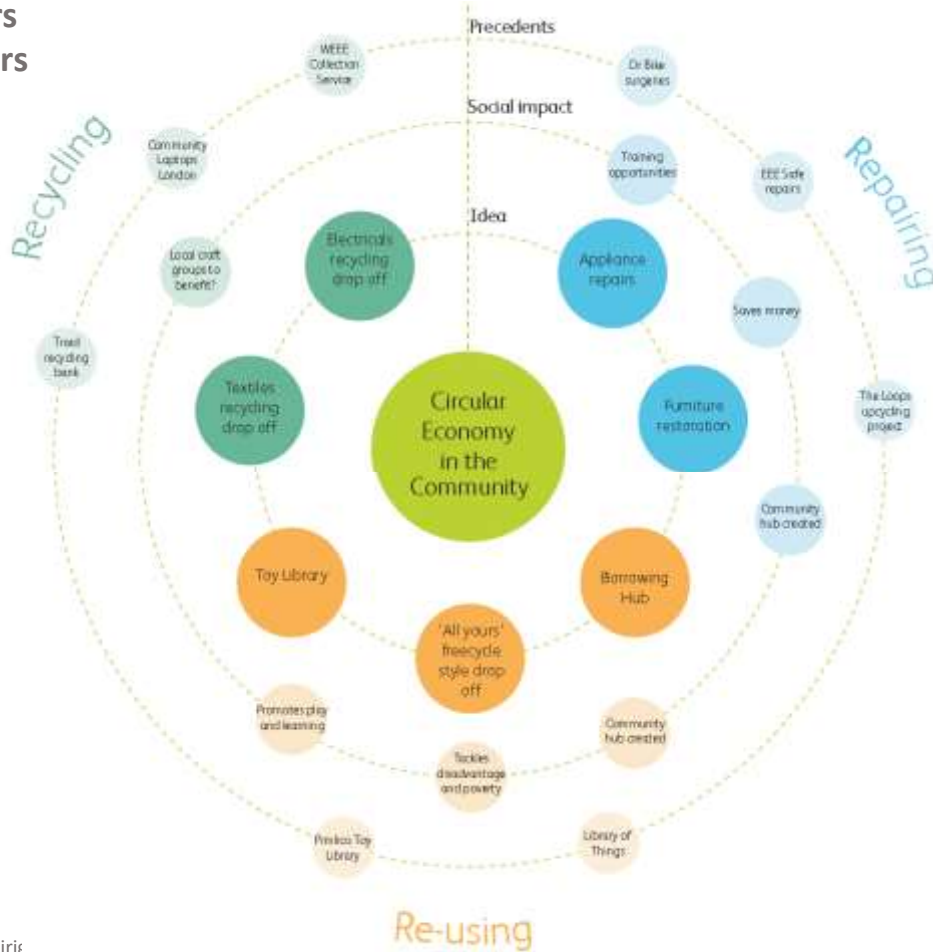
🏠 5-15 years



In collaboration with
ECD Architects/ Jessica Scott 2021

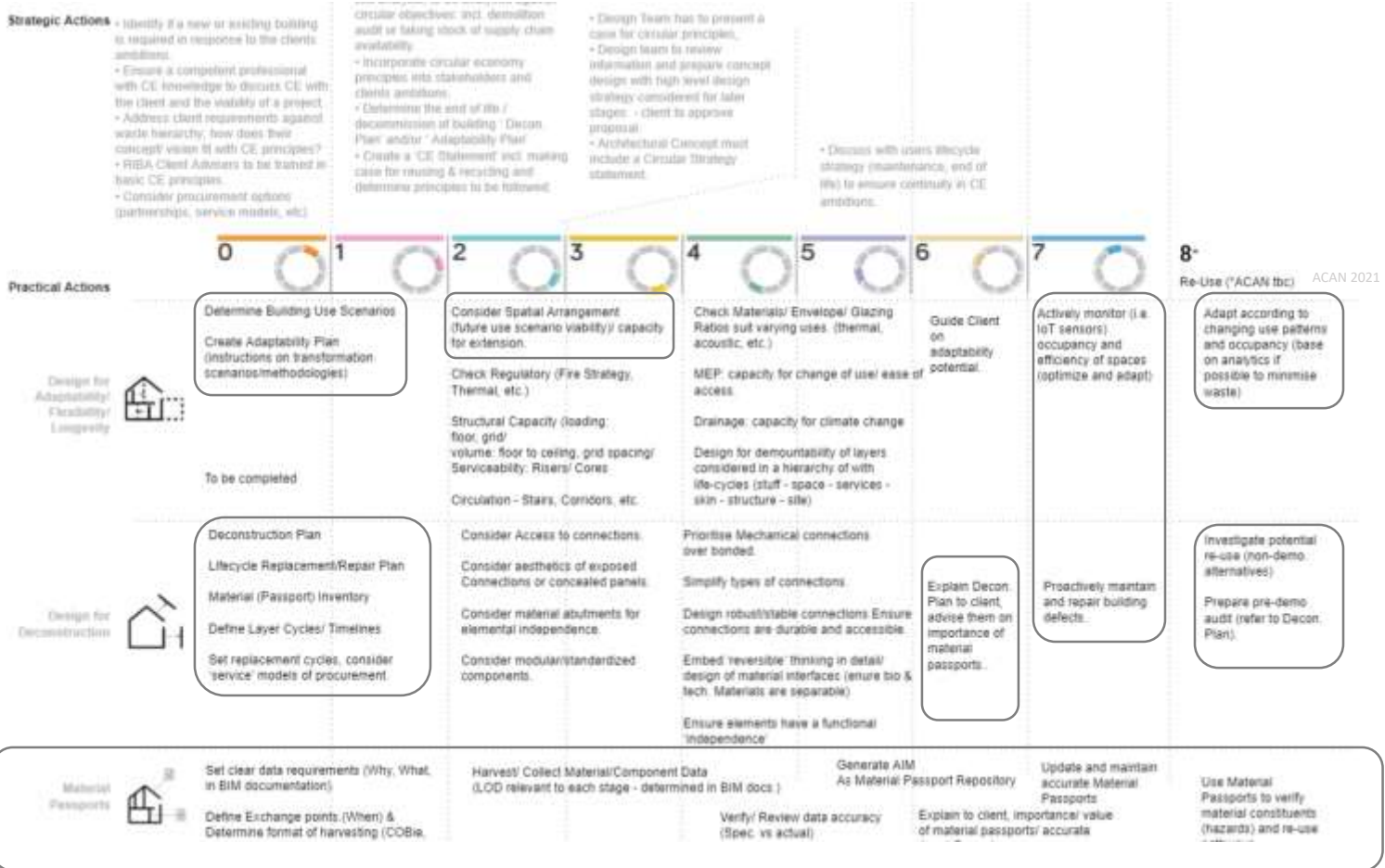


0-5 years
5-15 years



Circularity at Home

In collaboration with
ECD Architects/ Jessica Scott 2021



In collaboration with LETI 2021