

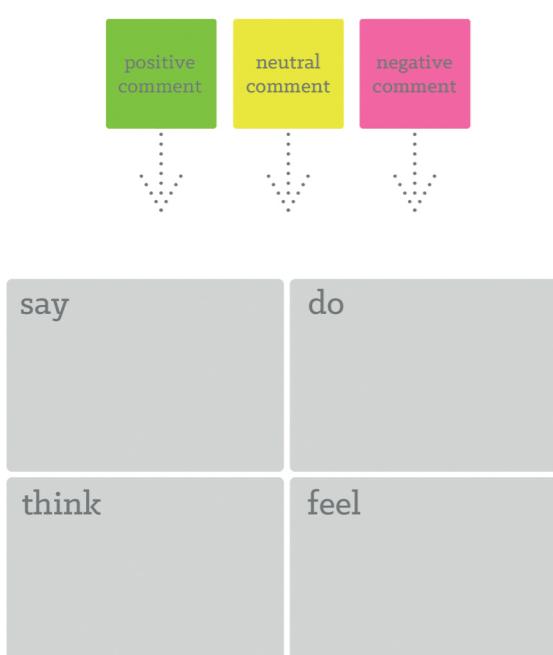
## ARRIVING AT OUR 'DESIGN CHALLENGE'

how is a critical design response used to present the research outcomes to direct and indirect stakeholders?

what impacts does this have on the hybrid/smart city debate?

reflecting back on the themes

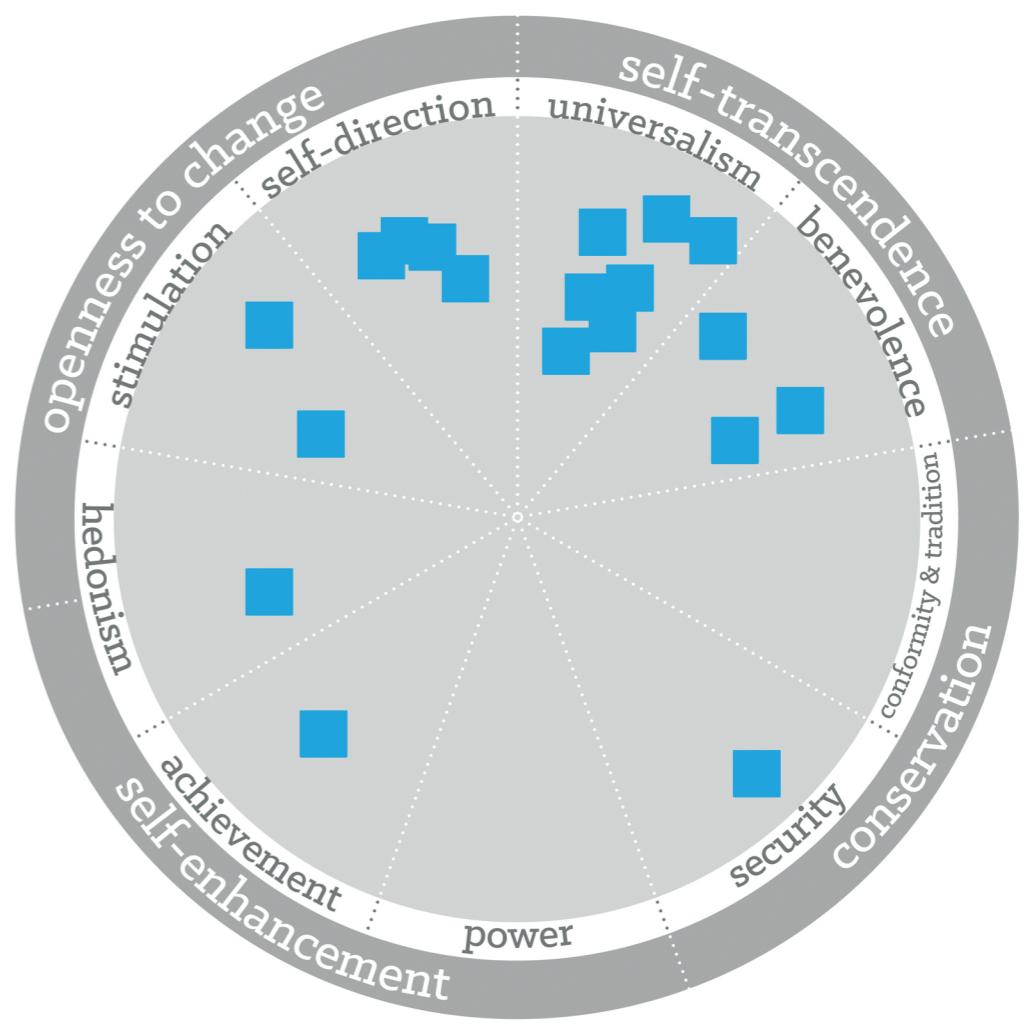
IDEO / stanford D-school empathy map (kelley, 2010) using recorded audio



examples of mapping

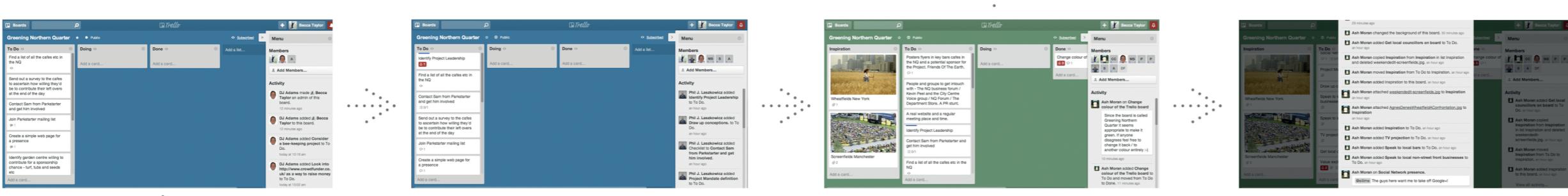


mapping participants' societal values (schwartz, 2012)



interpretative analysis of qualitative data

participants responding to the challenge through digital means



Trello online noticeboard

personal values

technology audit

speculative challenge

societal values

data capture in manchester's northern quarter - 34 participants over 12 conversations

1 people

2 creativity

3 processes

4 environment

5 technology

key research themes

themes & stakeholders reflect back on each other



northern quarter stakeholders

participatory design

grounded theory

curating sociology

human values

speculative design

a 'research through design' approach exploring different issues (after frayling, 1993)

CAN YOU GREEN MANCHESTER'S NORTHERN QUARTER WITH THE DIGITAL TOOLS YOU HAVE ON YOU?

please start here

manchester, UK



becca taylor  
m.taylor7@lancaster.ac.uk  
researchers in digital innovation



Prof. Nick Dunn  
Dr. Chris Boyko  
project supervisors

LANCASTER UNIVERSITY