Hybrid Products

Steve Benford

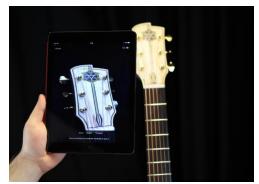
University of Nottingham



The Carolan Guitar



Carolan as a physical-digital hybrid



Headstock



Top Soundhole



Fret-marker



Soundboard



Back



Heel

Carolan as a technology probe













- □ In the luthier's workshop
- Visiting homes
- Writing & recording
- Performing & learning
- On the road

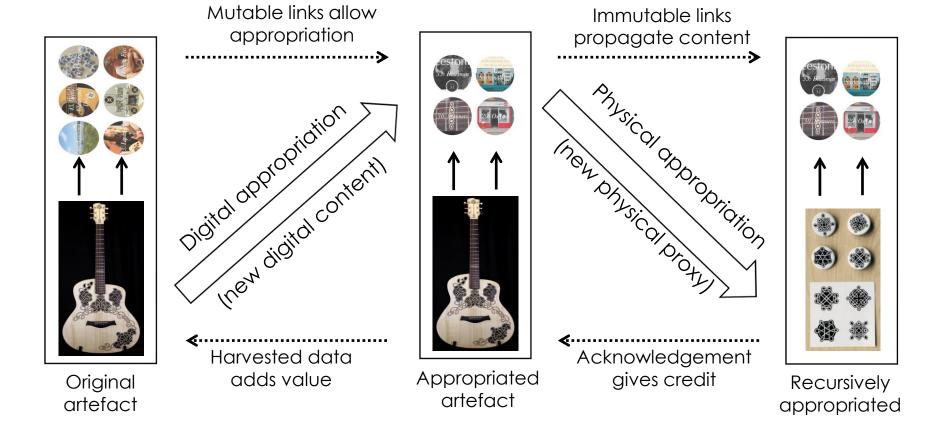
Reflections

- How a rich digital footprint adds value to a product
- From owners to custodians
- Multiple, personalised and contextual mappings
- Fixed versus fluid links
- Mementoes and proxies





Mappings, customisation and appropriation



Another view of hybridity

Goods

Things you own

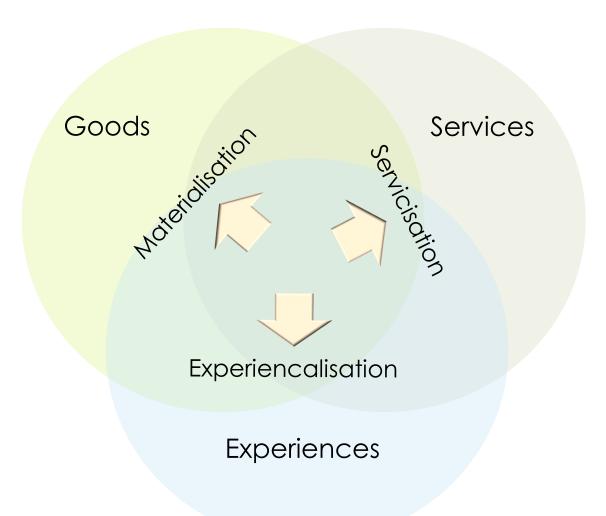
Personal data blends goods, services and experiences into smart products Services

Things you have done for you

Experiences Things you

Things you remember

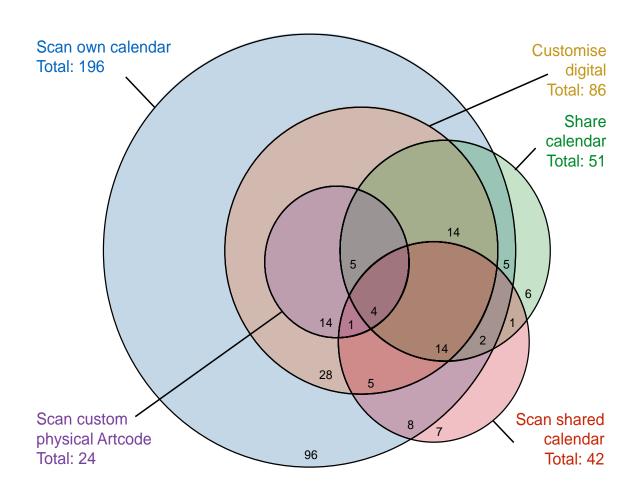
Another view of hybridity



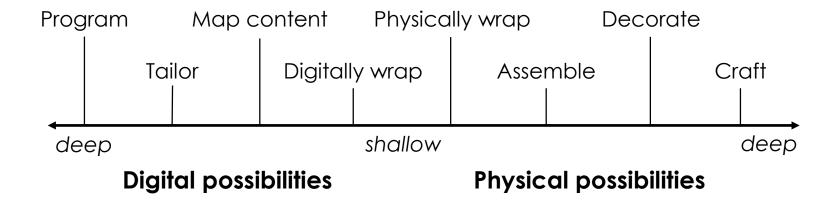
Christmas with Artcodes



What our consumers did



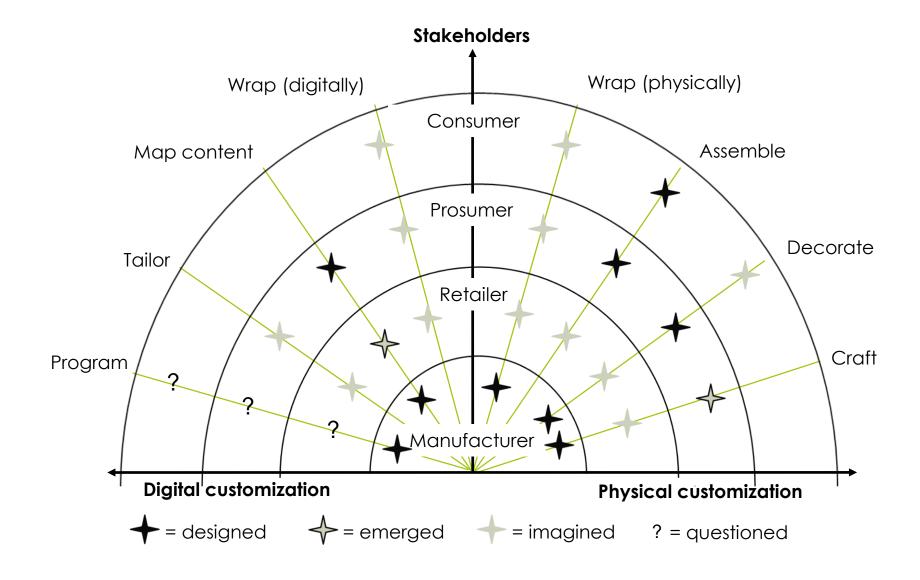
Broad customisation



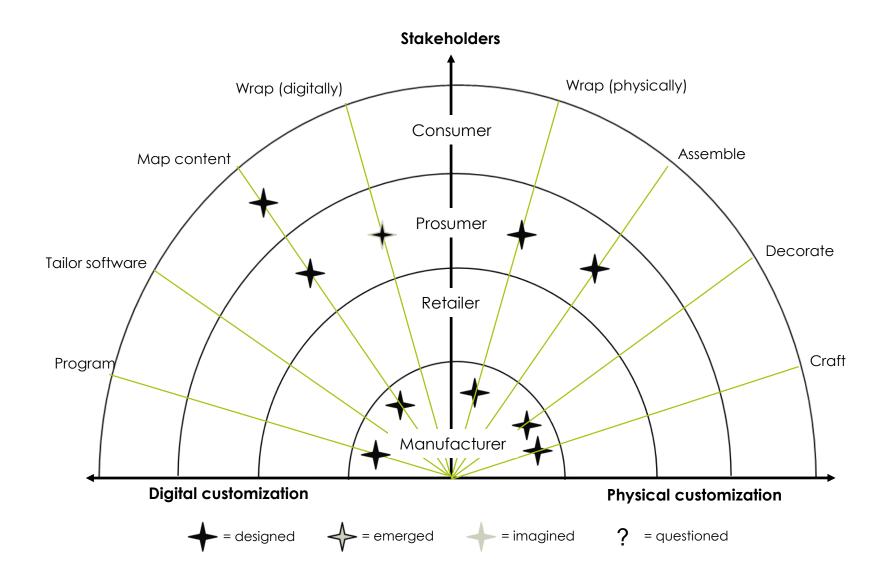
End-to-end customisation



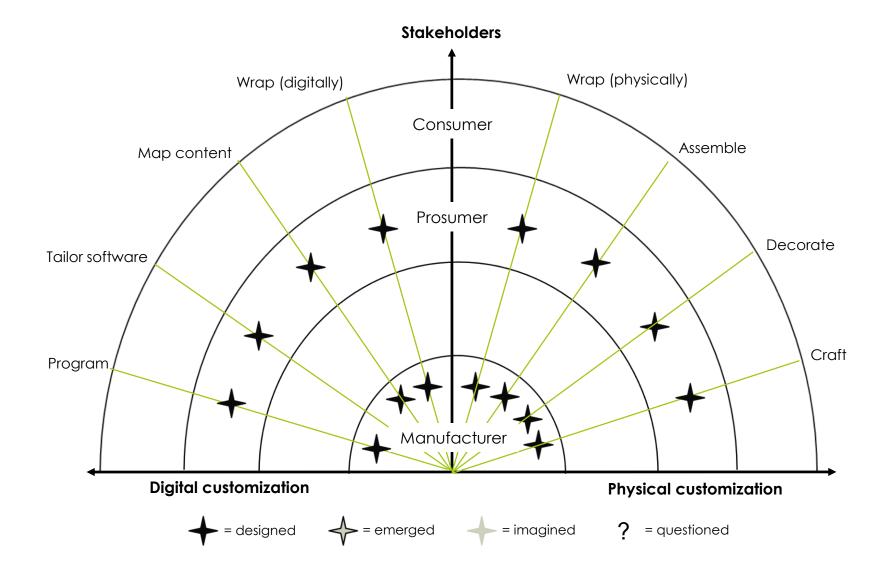
A customisation map



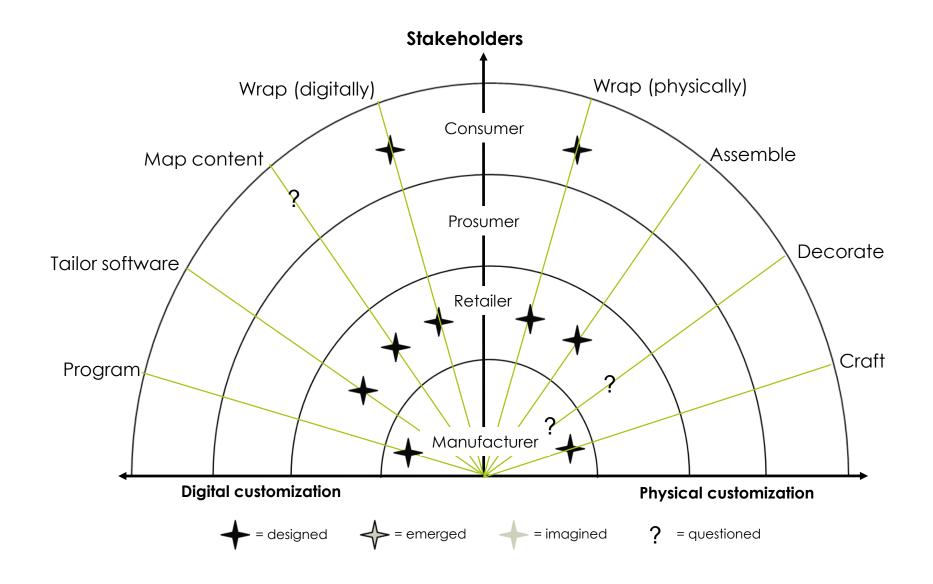
Family and friends sharing



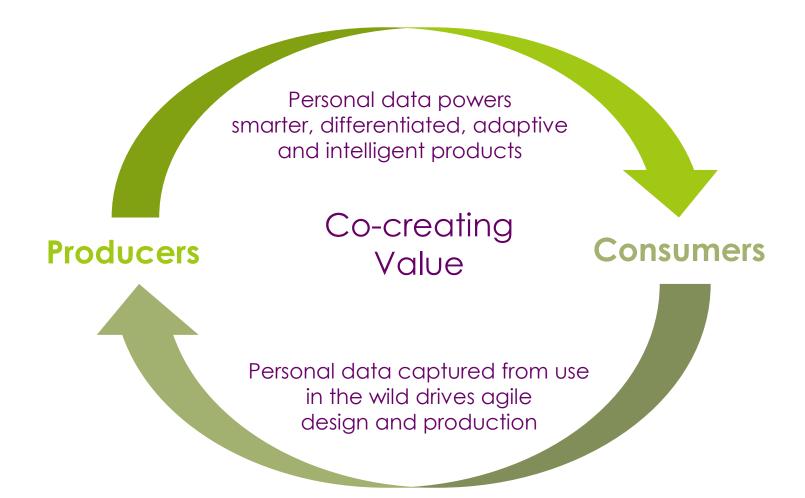
Craft kit



Media channel



Hybrid products as co-created



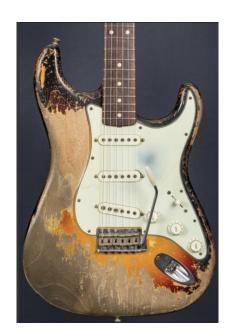
Hybrid products as socially connected products







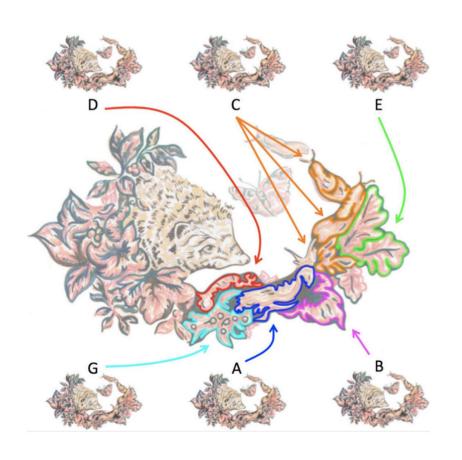




Celebrity endorsed signature editions

Reliced models

Identifying brands and instances





From guitars on Facebook to the Facebook of guitars?



The question of fair and transparent use of personal data

Especially across multiple custodians and other stakeholders

Perspectives on hybrid products

- ... as physical-digital systems
- ... as blending goods, services and experiences
- ... as templates for co-creation
- ... as being socially connected