Open Innovation: Working Together

Presentation at Innventia 27th May 2015 Dr. Leon Cruickshank Lancaster University L.Cruickshank@lancaster.ac.uk

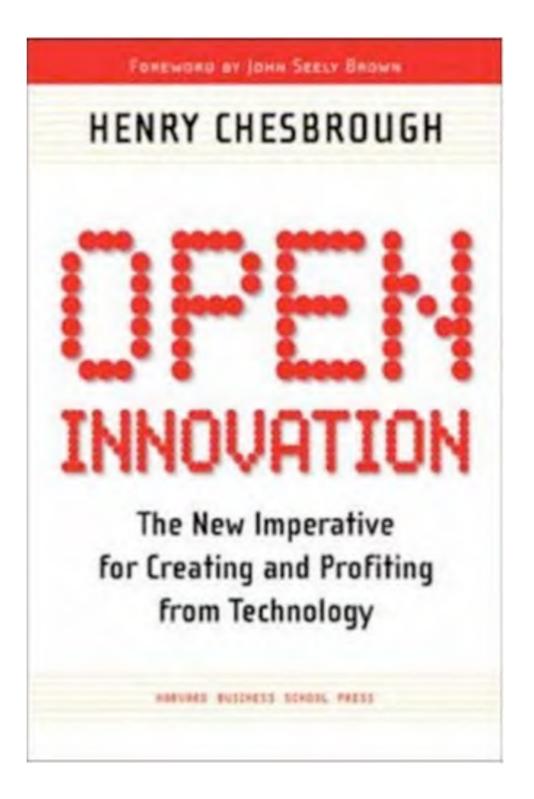








Leon Cruickshank



INNOVATION

ENRY CHESBRUL

The New Imperative for Creating and Profi from Technology



Chesbrough, 2002 Graceful exits and missed opportunities : Xerox's management of its technology' **Business History** Review

Closed The smart people in our Innovation field work for us.

Open Innovation Not all the smart people work for us. We need to work with smart people inside and outside the company. Closed To profit from R&D, we Innovation must discover it, develop it, and ship it ourselves.

Open External R&D can Innovation create significant value; internal R&D is needed to claim some portion of that value.

Closed If we discover it Innovation ourselves, we will get it to market first.

OpenWe don't have toInnovationoriginate the research toprofit from it.

Closed We should control our Innovation IP, so that our competitors don't profit from our ideas.

Open Innovation We should profit from others' use of our IP, and we should buy others' IP whenever it advances our own business model.



Democratizing Innovation

ERIC VON HIPPEL







Zero Prestigem Mega-Corporation

The new open-source corporate model. No employees, no profits. Just doing nice things for total strangers 24 hours a day. You can't buy this stuff yet but you can build it yourself. p.s. Can I park my boat in your back yard?

Presents

THE KITEBOARD COOKBOOK

Build your own plywood kite board and other cool stuff.



Build these darling kiteboards and more yourself! It's easy and fun!

Unless otherwise stated, all boards are made of plywood and are totally flat. For us and our conditions that's turned out to be the best. Cool huh?

Q: What do distiguished critics say about these boards? A: Some give joy and some hurt. Here are the reviews:

A: Zero Prestige model Zero: 18"x63.25" 1/2"thick AC fir, two 2" high fins at each end, 1/2" rocker put in by bending it with clamps, wetting the bottom and ironing the hell out of it with a steam iron, our usual way. Easy to ride. After you're going upwind reliably a flatter finless board points higher, is faster and more fun. Unless otherwise noted, none of the other boards have fins. Good beginner board.

B: Saul's Le Plank 1.1: 16"x56", 3/8" thick birch, no fins, no rocker in the morning, 1/2" rocker at end of session. The first great board for skimming the shallows at Nahant in a weak onshore wind. The birch is nice and springy. Saul's true love. Great all-round board.

C: Saul's Tasty Potato: 15.25"x60", 7/10" concave, 1/3" rocker. Two layers 1/4" birch laminated on rocker table. The bottom layer is a few inches shorter than the top layer, making planing steps at the ends. Saul hates it, Tim loves it. Easy to hold an edge overpowered. Heavy but still a good jumper. Easy to stick a landing, not that anyone should care about that. Great all-round board for some, nothing special for others.

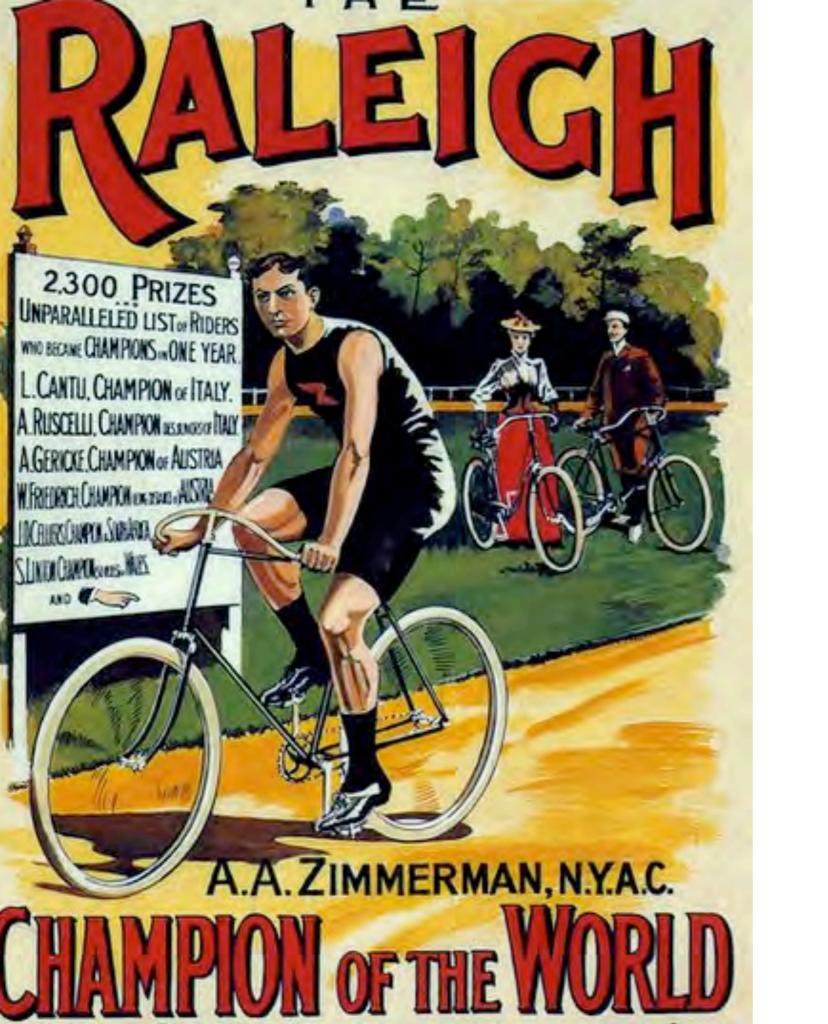
D: Red mahogany "nice board": 14.75"x56" 1/2" mahogany with teak face veneers. Was a masterboard from a yacht. Homemade "nice straps" with 1/8" aluminum mounting plates, footpads carved from homedepot soft foam floor panels. Tightening the plate screws gives the board about 1/4" rocker and a flat spot in the middle. In rough water I might want cutouts or tapered tips to get less spray in my eyes. Saul rides the tail more and never gets spray in the face from square boards. Good jumping board in more wind.

John Gibbonn (Surgeon)

Animal tested 1935 human patient 1953

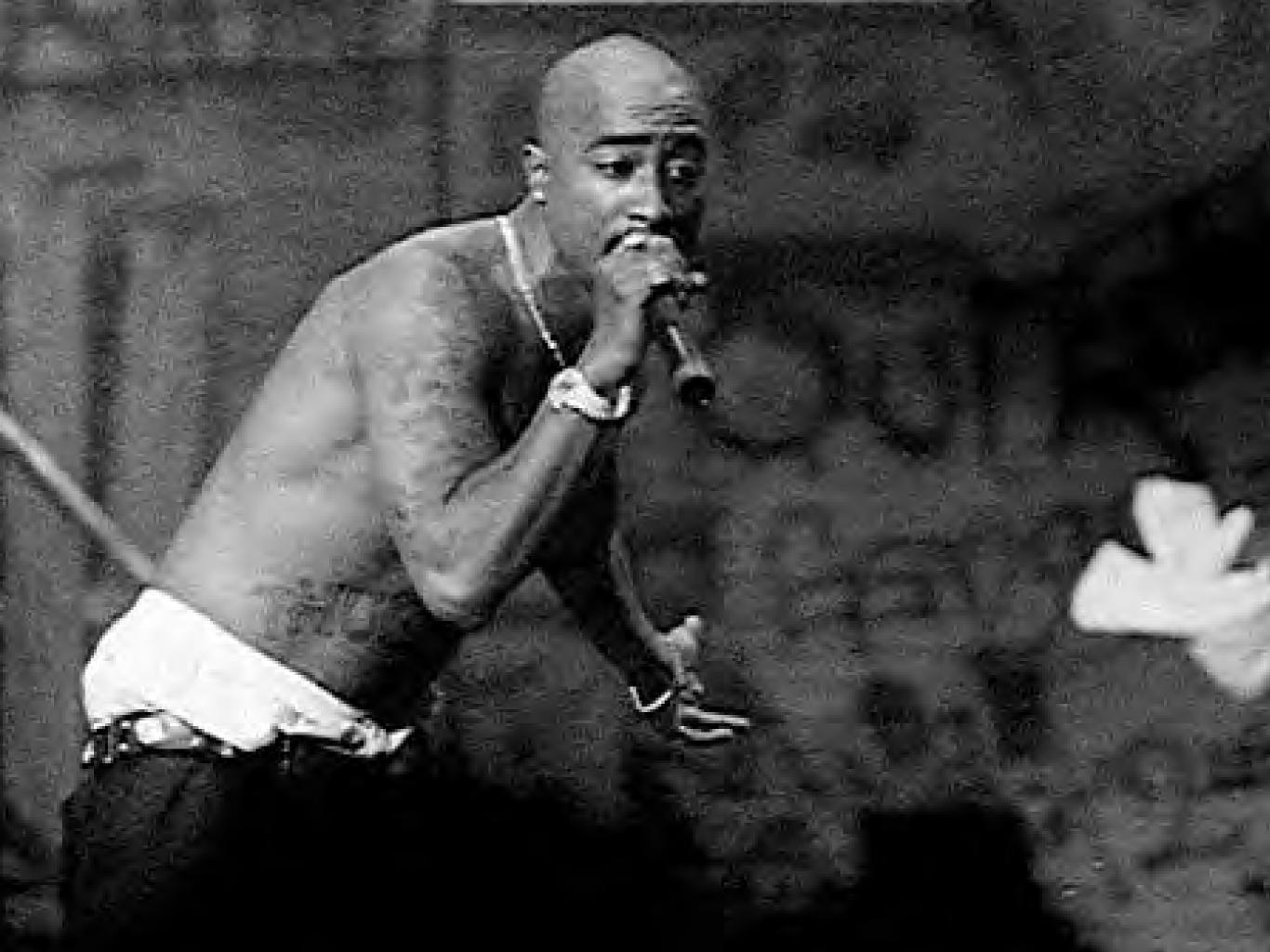












Rap and Hip-hop is a \$10 Billion a year business

Characteristics 1. Are extreme users,
of Lead and experience problems
Users that general users will not reach for some time

2. There is a directbenefit in innovatingbeyond the current stateof the art.

3. Connect to a wider community of

My approach to Open Innovation: How do you get more and more diverse people to be active within innovation projects?

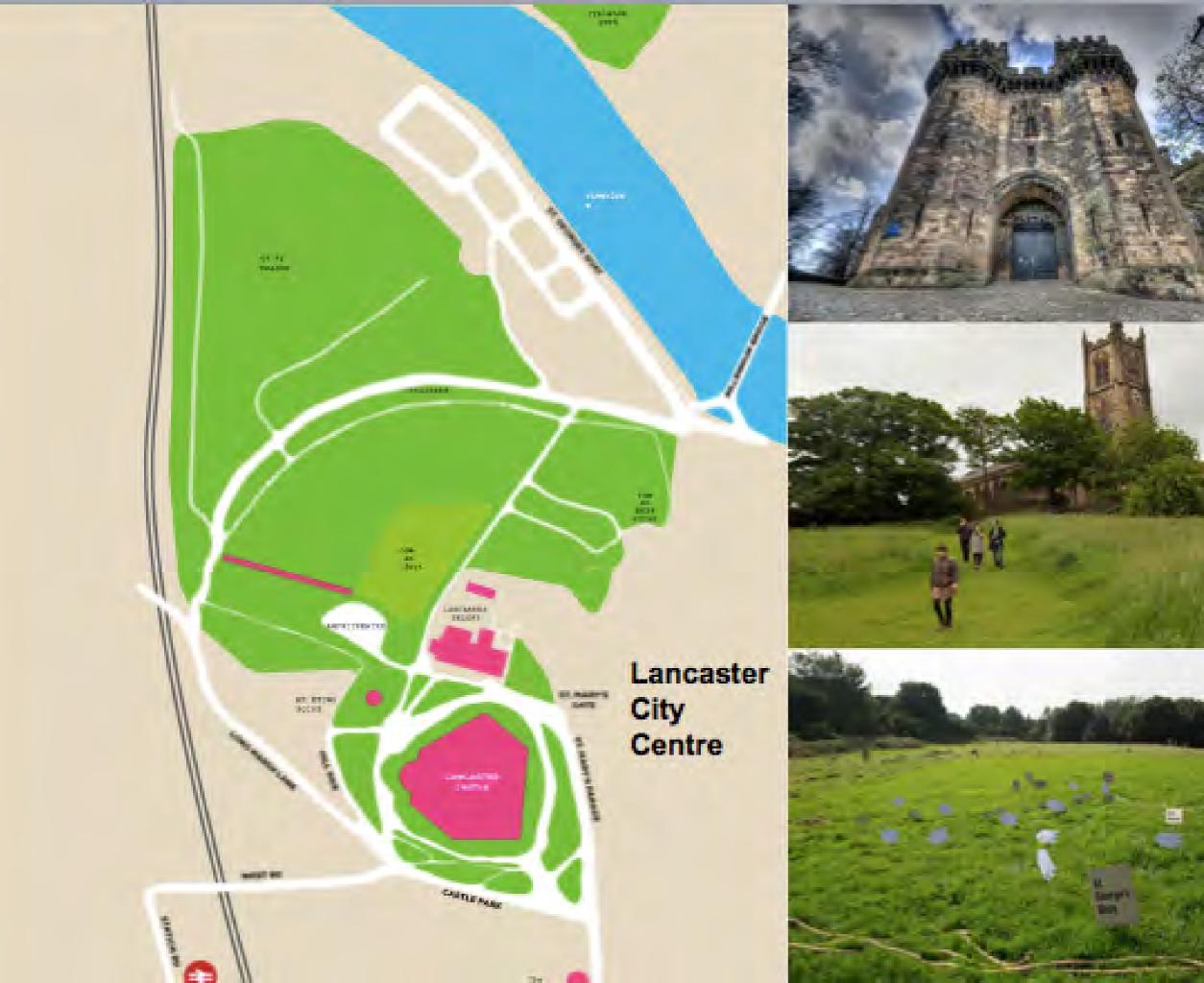
Networks Skills Tools

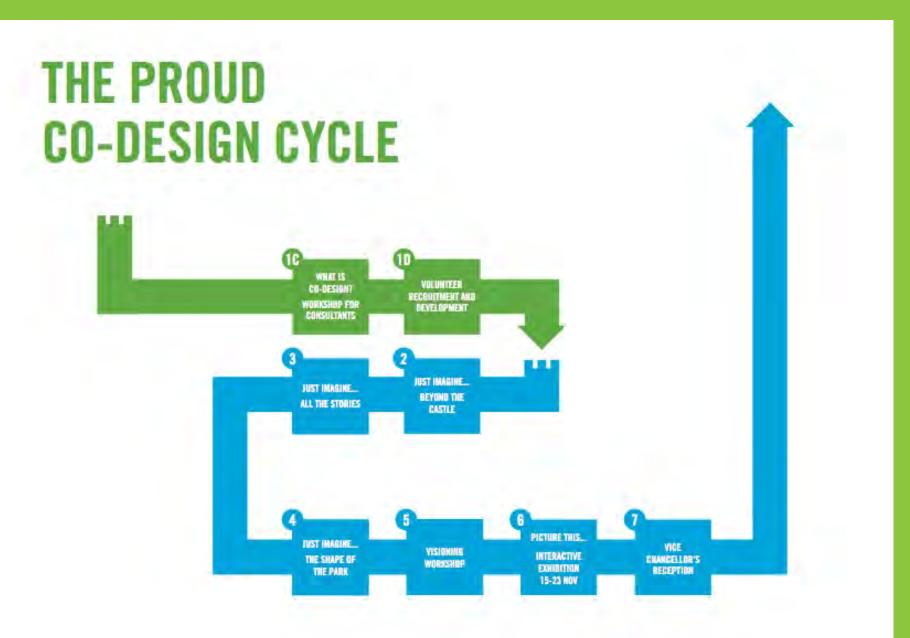
BEYOND THE CASTLE

A UK project as part of the €5million, 3 year INTERREG IV funded PROUD project

A co-design project with 2,000 people to re-imagine a city centre 'non-place'











BEYOND THE CASTLE





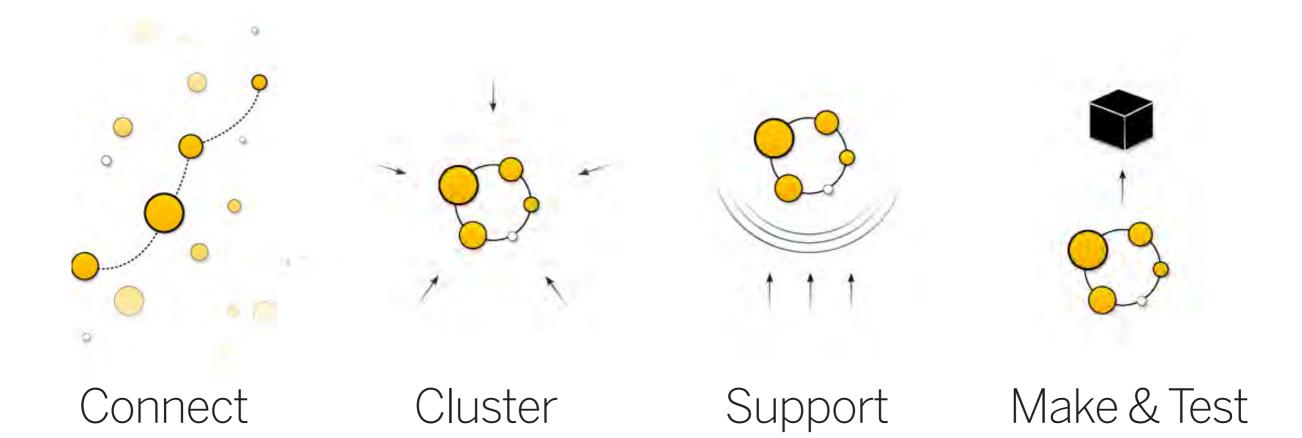








A £ 5million, 3 year research project looking at knowledge exchange and digital public space.



Squidge an example of a product outcome





















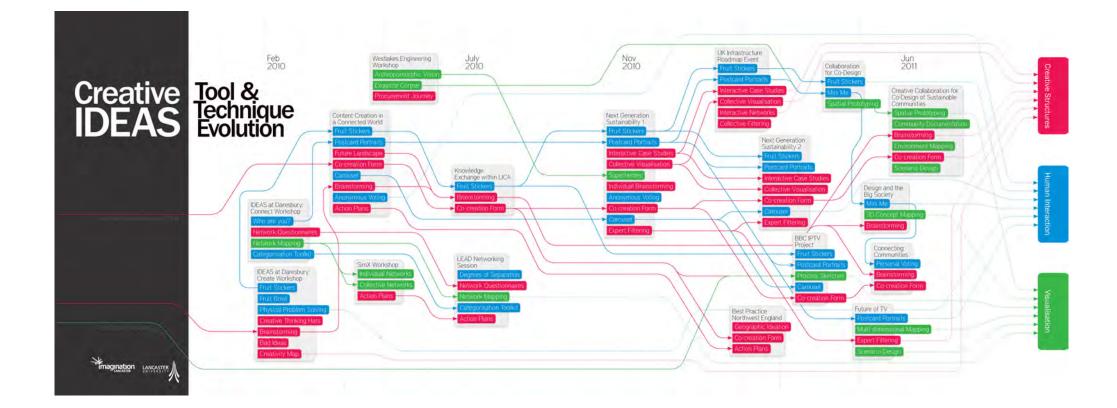






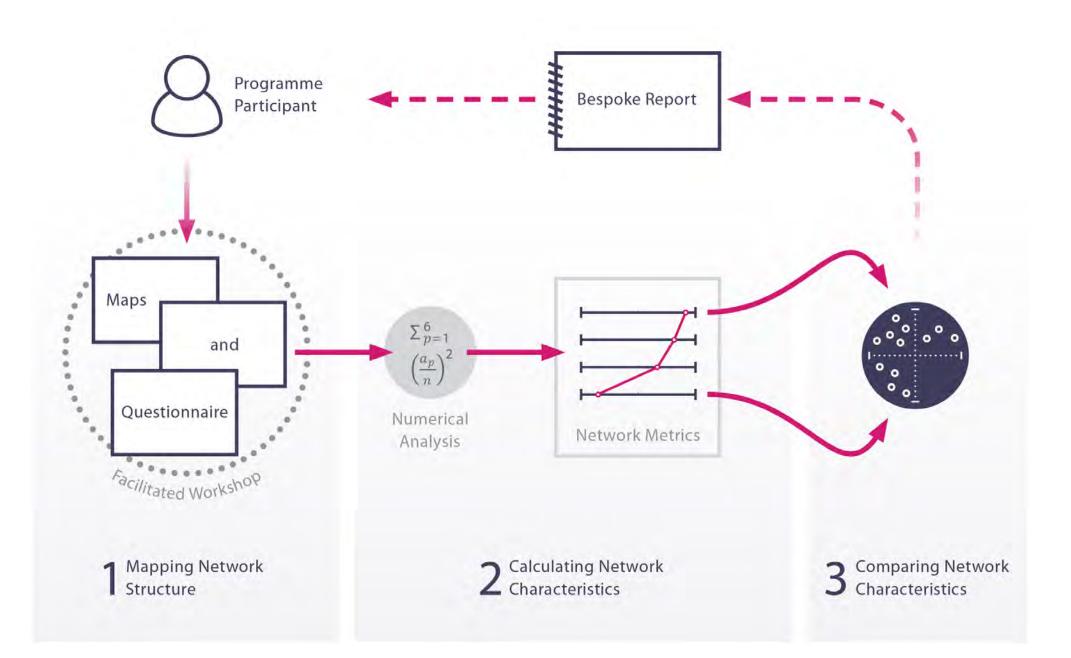


Beyond Networking: helping high technology SMEs be more innovative through the active curation of their networks.









For details see

"NETS: a design tool for activating social networks",

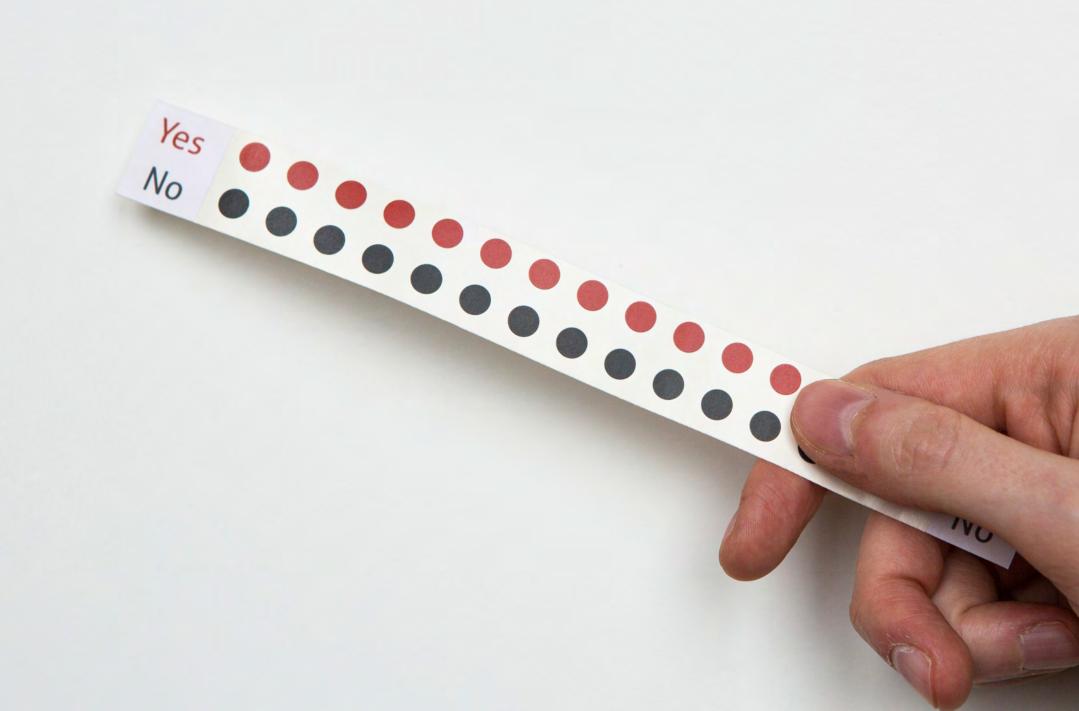
International Journal of Entrepreneurial Behaviour & Research.

My approch to Open Innovation focuses on

Networks Skills Tools









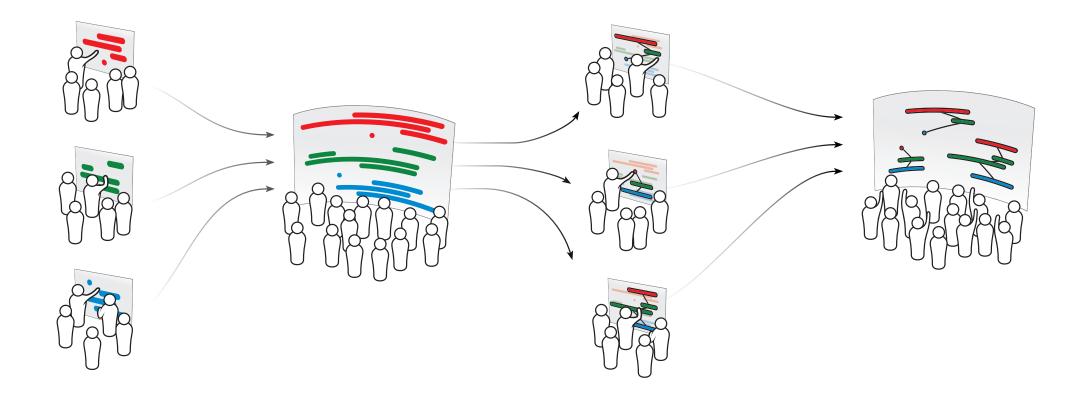












UK Treasury, cross-disciplinary and self documenting



We are...

An open and exploratory design-led research centre at Lancaster University

We conduct applied and theoretical research into people, products, places and their interactions.

We work with a variety of organisations to provide fresh perspectives on real-world issues and facilitate innovation.

We offer Undergraduate, Masters, and PhD study opportunities. All our staff are active researchers with

Latest

Updates

Twitter **Events**

Using Open Innovation to Develop Inexpensive, Sustainable Fast Fashion and Other Possibilities with the OpTex project.



The OpTex project started in earnest recently with a scoping workshop held in the fabulous INNVENTIA laborites in Stockholm. In this project Imagination is helping this research institution to further develop its approaches to open innovation.

This first workshop brought together engineers,...

Read full update

Recently Upda





Design Value: **Role of Design** Innovation



London Creativ and Digital Fus



IDEAS for Impa



Design PhD Conference 20



Leapfrog

Liveshle Cities

http://imagination.lancs.ac.uk





Collaboration & Impact Toolbox

Tools and resources to help you communicate, collaborate and connect your research with others. Part of the IDEAS for Impact project.



Free Resources http://impact.lancaster.ac.uk/tools/



http://tinyurl.com/Co-Design-Principles



http://tinyurl.com/Co-Design-Principles