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Subject Group Leader: Design4

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Minimum viability

Minimum viability

A minimum viable *project/ product* has just those core features sufficient to deploy, and no more

Blank (2010) Minimum viability feature set (*adapted*)

Be able to test a hypothesis with minimal resources

Accelerate learning

Reduce wasted hours

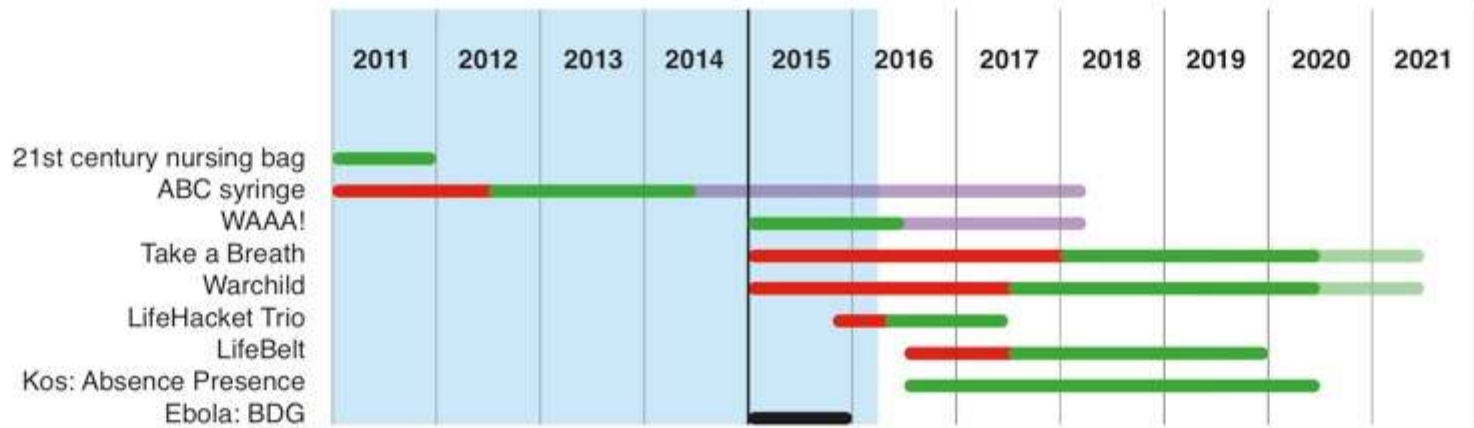
Get the project/ product to customers as soon as possible

Base for other products

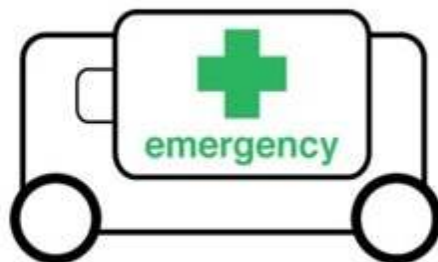
To establish (researchers) abilities in crafting the project/ product required

A personal research strategy developed since 2010

- 1. Always begin with the end**
2. Be practice-based
3. Adopt proven models of scale, implementation and adoption
4. Avoid saturated research territories
5. Spin into non-design research communities
6. Global healthcare innovation/ SDG = satisfice solutions
7. Be lean
8. Leverage media and PR to maximise visibility of practice
9. Waive IP for impact by rethinking value



Accelerated activity since 2011
From PhD to Professor in five years

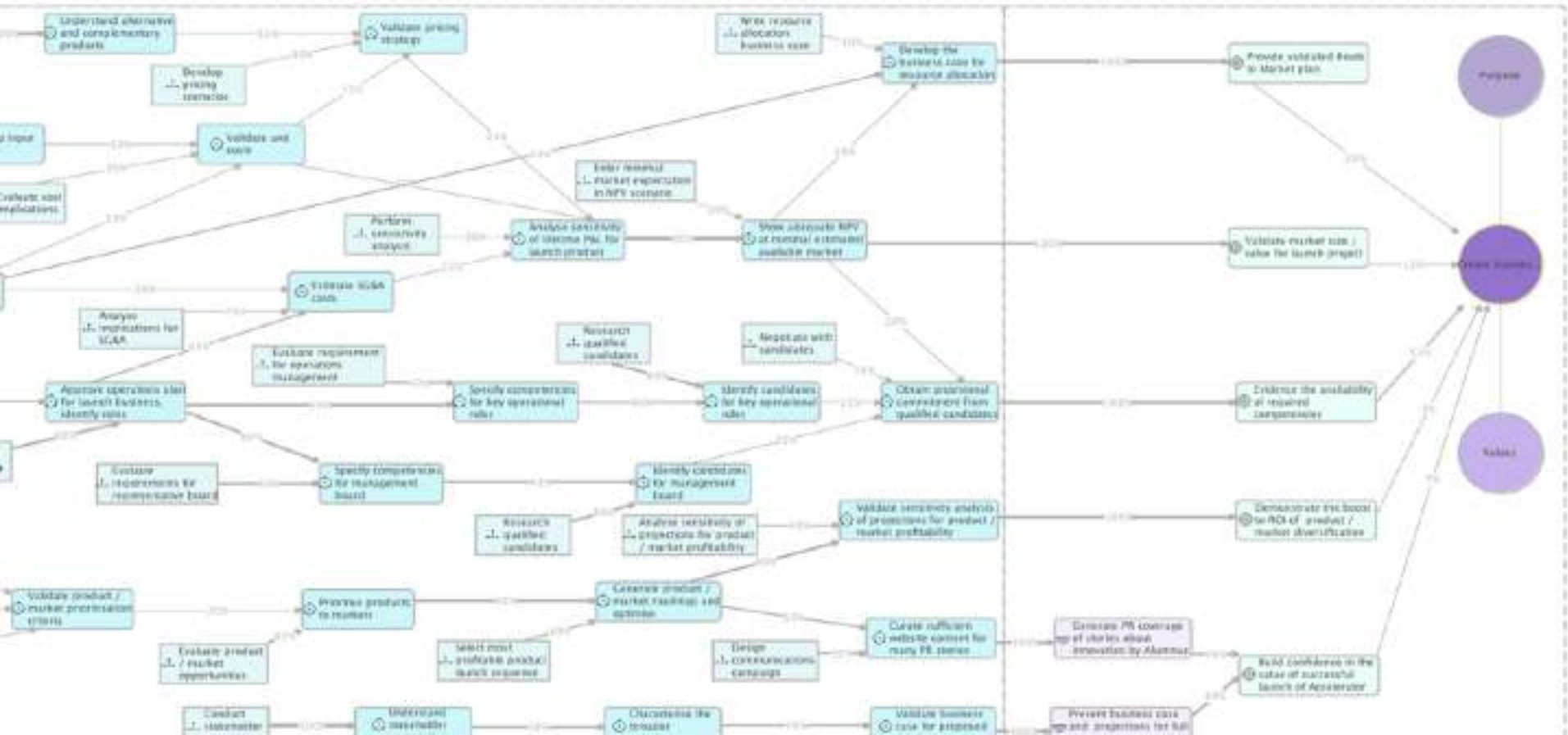


Smart Pods

Rethinking urgent healthcare delivery
Smart Pods to take healthcare to the community



NHS at Home (2008-11) *Co-designing a 21st century nursing bag with NHS East Riding*



RCA Selected Works: Mapping routes to value



INDEX: Award 2011 Design Dinner at NIMB
by INDEX: Design to Improve Life®

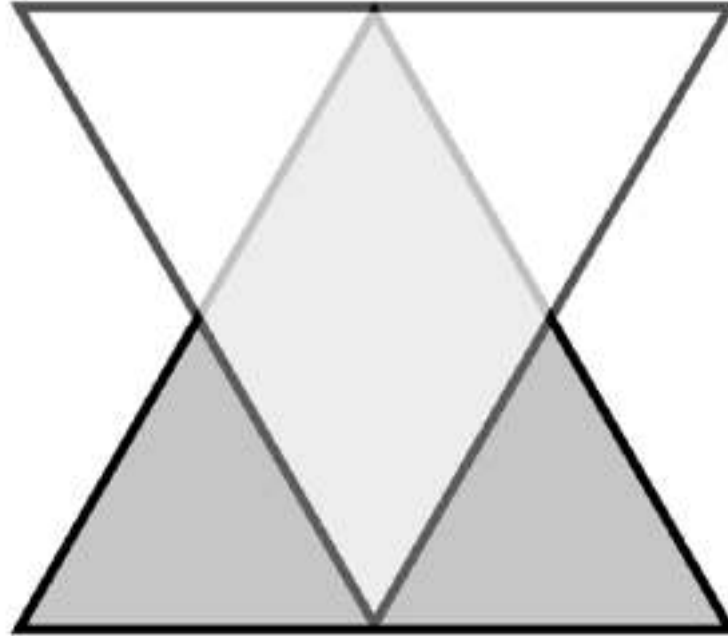


Hvid (2011) *No more white tea cups...*



Hvid (2011) Responsibility- *If you have an ability to respond, you have a responsibility to do so...*

COMPLEXITY OF SOLUTION



SCALE OF CHALLENGE

The paradox: global healthcare innovation



ABC syringe (2012-14): *Preventing syringe reuse in a curative context*

Funder: University of Huddersfield

Staff Development: £600

Dr David Swann



Reader in Design,
University of Huddersfield

Prof Charles Vincent



Director of the Centre
for Patient Safety,
Imperial College

Prof Andrew Mills



Chair of Material Science
Queens University,
Belfast

Nicholas Coutts



Former VP, Global
Distribution Channel
Strategy for IBM

Marc Koska OBE



Founder of the Salvatrust
Trust & Director of
Star Springs Ltd

Peter Evans



Former Head of WFO
Procurement Worldwide
& WFM Project Lead



How can design communicate invisible risk to empower safer decision-making ?

Winner of the World Design Impact Prize

HIGHLIGHT



01:21

HD

WHO compendium of innovative health technologies for low-resource settings

Assistive devices
eHealth solutions
Medical devices
Other technologies
Technologies for outbreaks



Ebola Bleach Dilution Gauge (2015): *Improving daily infection control practices of field workers*

Funder: Design Helps

Self: £500



WAAA! (2015-16): *UNICEF Wearable for Good- reducing neonatal mortality through APGAR tools*

Funder: University of Huddersfield

Winner: University 6-hour research challenge, £10,000



LifeHacket Trio Phase 1 (2015-16): *Re-purposing abandoned life jackets for Kos' refugees*

Funder: Sheffield Hallam University

Staff Development: £675



Dr David Swann
Sheffield Hallam University
Kos-Solidarity Volunteer



Sue Roberts
BBC Editor
Radio Drama North



Louise Wallwein
Poet. Playright
Kos-Solidarity Volunteer



George Iosifidis
Teacher
Kos-Solidarity





Captain Elias Hotel: Summer 2015





EU - Turkey Türkiye - AB

Brussels 18.03.2016 Brüksel



EU - Turkey
Türkiye - AB



EU - Turkey
Türkiye - AB



EU - Turkey
Türkiye - AB



EU - Turkey
Türkiye - AB



Refugee Agency





Absence Presence: Kos (2016-)

Funder: Sheffield Hallam University

ADRC: £750















“In observing these items, we realise that they represent only one piece of a life. By focusing on just one aspect of his/her life, we emphasize the large pieces that no longer exist.”



Capturing the narratives of Kos-Solidarity: *Object-based interviews (August 2018)*



LifeBelt (2017-): *Deterring impulse suicide within irregular migrant communities*

Funder: Sheffield Hallam University

Staff Development: £500



Warchild (2017-): *Improving posture and comfort of floor-sitting e-learners in Sudan*
Phase 1 Funder: Sheffield Hallam University
ADRC: £700

CAN'T WAIT TO LEARN OVERALL OBJECTIVES

Can't Wait to Learn impact objective is:

To develop a sector-endorsed innovation model which has made a verified contribution to improving learning outcome attainment in education in emergencies settings based on MoE-accredited education technologies focused interventions by 2020.

Concretely:

- 170,000 accessing CTL programme by end 2020 in four countries
- Proof of Concept – Literacy in Sudan
- Adapting for new contexts – Maths, Literacy and psychosocial support in Jordan and Lebanon
- Scaling up in Sudan and eventually in Jordan and Lebanon
- Moving to new countries
- Education in Emergencies Sector adoption





**Can't Wait to Learn Digital Tablet Desk (2017-)
Phase 2 Funder: Sheffield Hallam University
ARDC: £1750**



Digital Tablet Desk usability trial: *A six-month, six centre pilot in Sudan supporting an iterative design development process leading to a future conformity standard*



Katharine McFadden
Senior Innovation Deployment Specialist
Unicef Global Innovation Centre

Katherine Crisp
Global Lead for UPSHIFT
Unicef Global Innovation

U-Think (2018-) *SDG 4.4: Using SMS as a creative platform to develop 21st century skills in young learners in non-formal educational settings: creativity, critical thinking and problem solving skills*

Funder: Sheffield Hallam University

ACEF Educational Research Fund, 01750

LIFE OF BREATH

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Durham Team

The [Durham University](#) team are based within the [Centre for Medical Humanities](#) and draw in the expertise of colleagues in the Health, English and Anthropology departments.

[Professor Jane Macnaughton \(Senior Investigator\)](#)

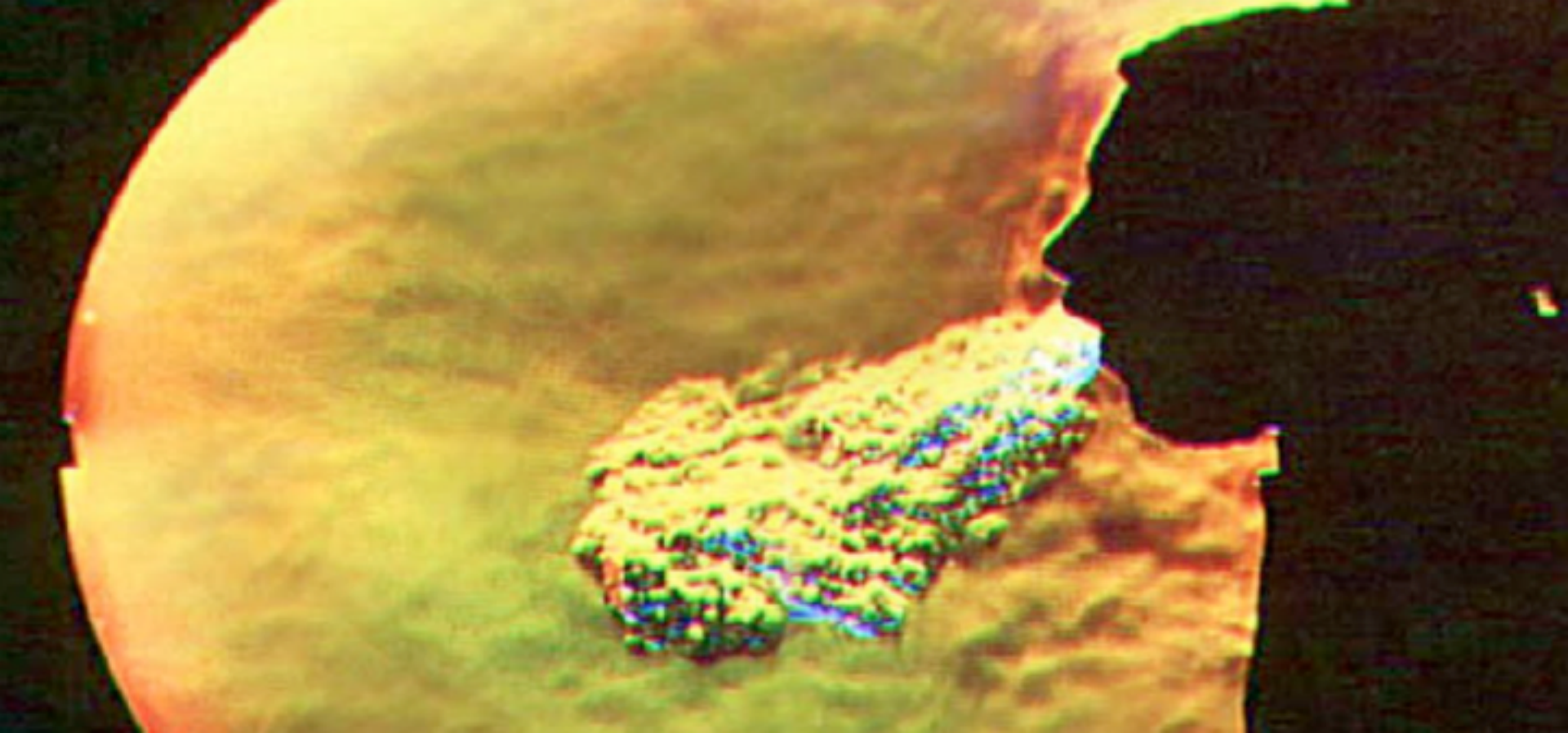


Jane leads Life of Breath at Durham University. She is Professor of Medical Humanities at Durham University and co-director of the University's Centre for Medical Humanities. Jane has published in the fields of medical education, medical humanities, literature and medicine, history of medicine and health care environments, and was a founder member of the Association for Medical Humanities. Jane's current clinical work is in gynaecology at the University Hospital of North Durham and she also contributes to Durham's Phase 1 Medical Programme.



[Today's most read](#)

Life of Breath (2015-) *Exploring breath and breathlessness at the interface between the arts, humanities and medical practice*



Take a Breath (2019-) *Using Hooke (1672) and Toepler's Schlieren principles (1864) to support a phenomenological exploration of dysfunctional breathlessness through oral testimonies and creative documentary*

The perfect is the enemy of good (Voltaire)