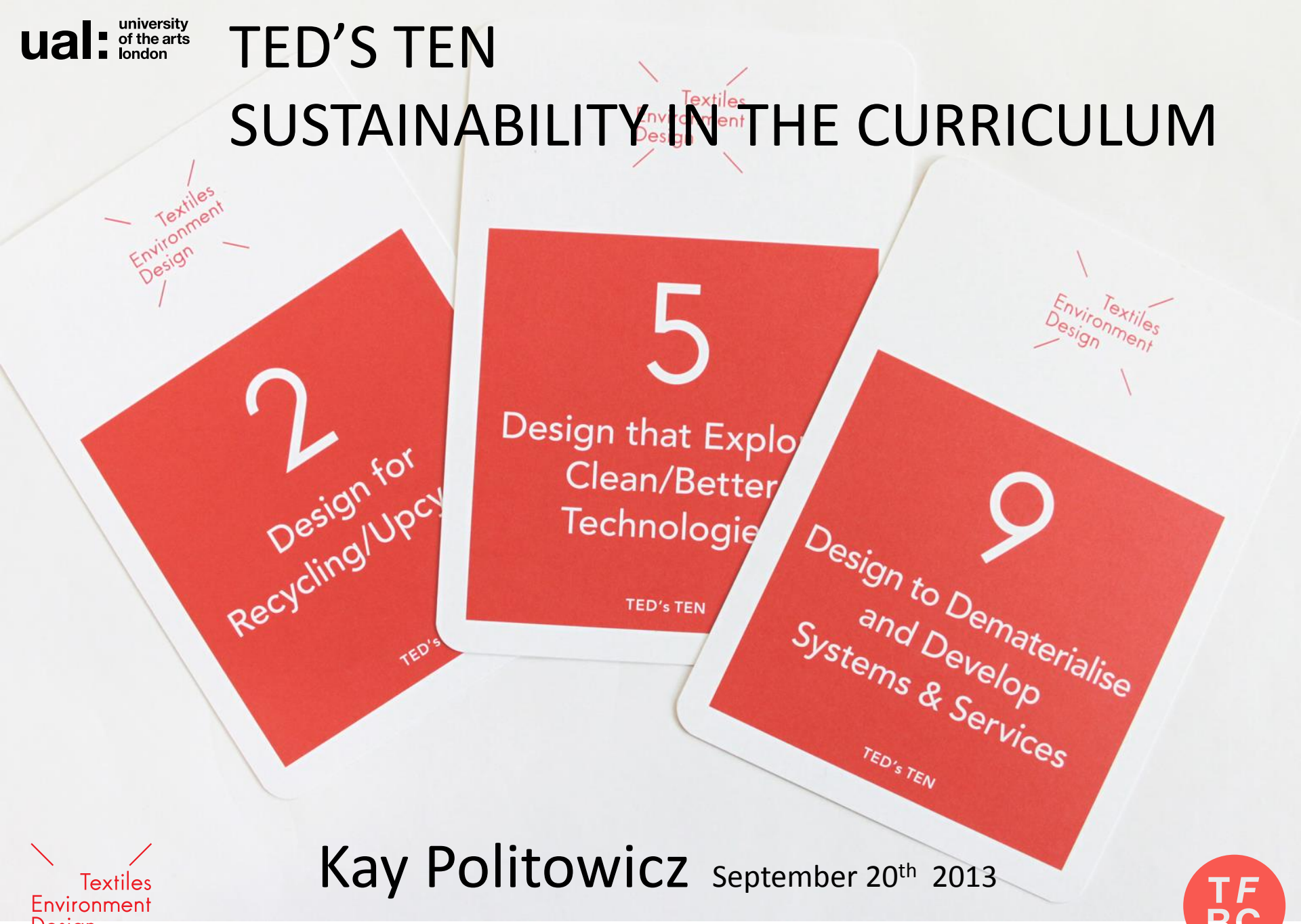
ual: university of the arts london

TED'S TEN
SUSTAINABILITY IN THE CURRICULUM



Kay Politowicz September 20th 2013

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- Encourage an enthusiasm for facts relevant to sustainability
- Promote interconnectedness, materials understanding, intrinsic value
- Enable designers to use critical research to develop their practice
- Propose practical strategies
- Ensure the sustainable practices are generic to good design rather than to specific projects

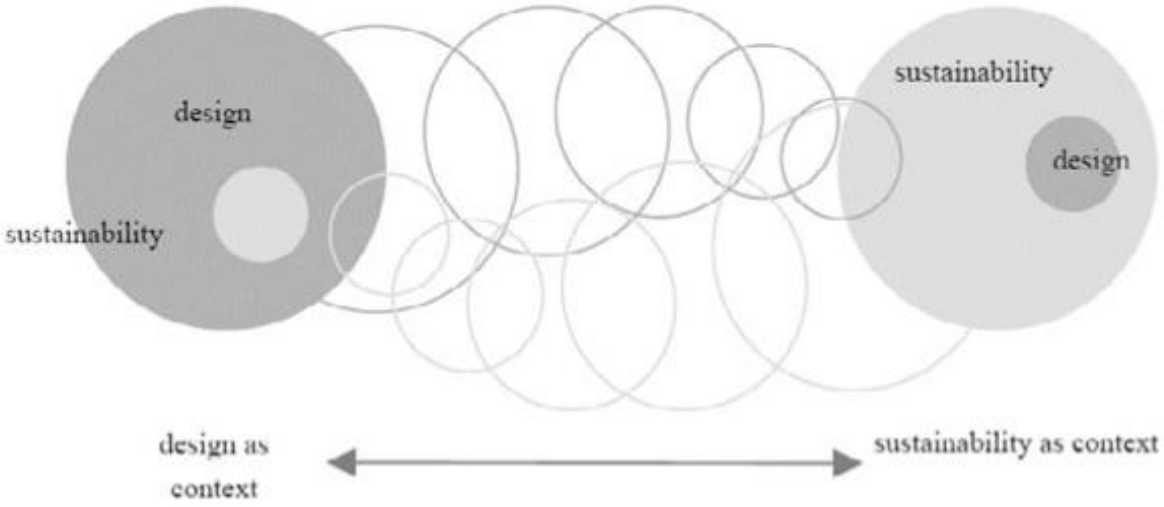

Figure 1: Range of possible starting points for education in *Design for Sustainability* (after: Dewberry & Fletcher, 2001)

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Practice Lab
Research Questions

What models can we develop for the interaction of teaching, practice based research and enterprise in the education of textile designers?

How can we develop our particular interest in sustainability as the major connection between research, curriculum and practice?

How can the creative outcome of student work contribute to research projects?

How can textile designers be encouraged to take up and communicate a strategic role in society?

How can we ensure that aesthetics and innovation are maintained equally in sustainable textile design thinking?

How can we attract external funding to support this kind of initiative?

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Reusable General Protest Banner Dublin 2012

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1
Design to Minimise Waste
v.2

2
Design for Cyclability
v.2

3
Design to Reduce Chemical Impacts
v.2

4
Design to Reduce Energy and Water Use
v.2

5
Design that Explores Cleaner/Better Technologies
v.2

6
Design that Takes Models from Nature & History
v.2

7
Design for Ethical Production
v.2

8
Design to Reduce the Need to Consume
v.2

9
Design to Dematerialise and Develop Systems & Services
v.2

10
Design Activism
v.2

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THE TEN cards, Professor Becky Earley and Professor Kay Politowicz 2011

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Aim

How to reduce the many kinds of waste created within the textiles industry, both pre and post consumer?

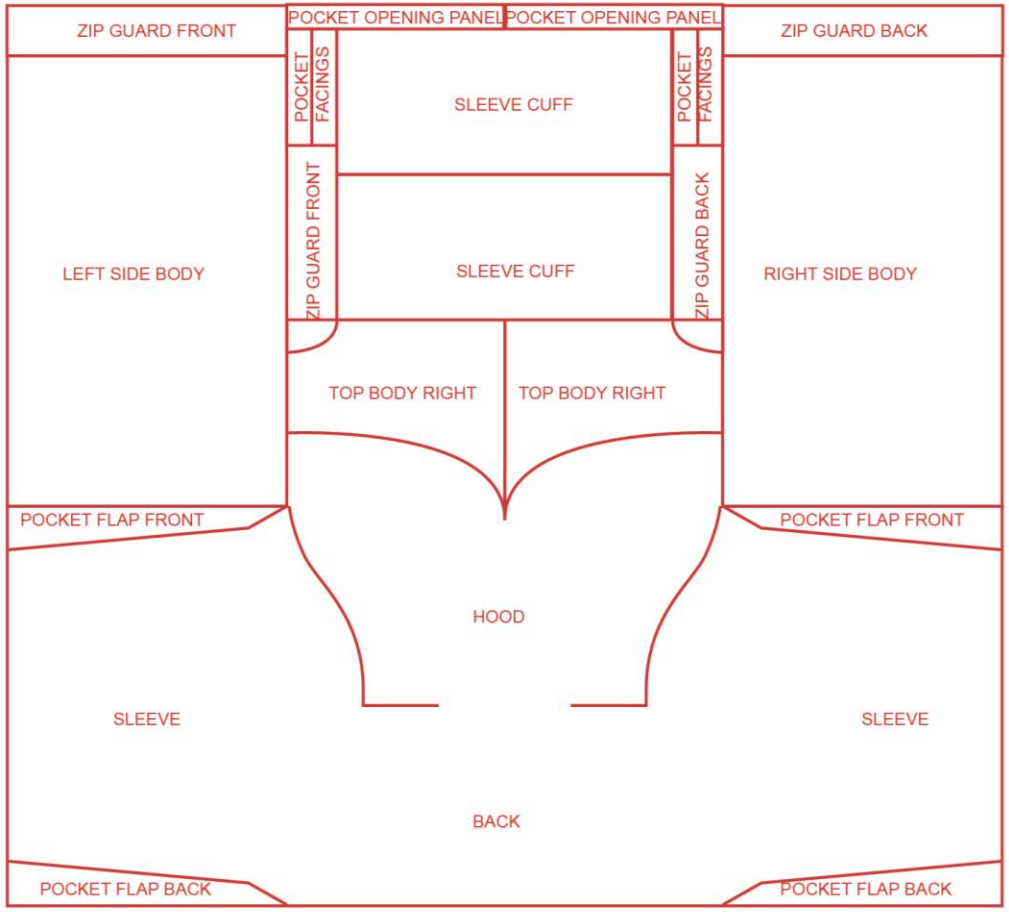
Action

Assess the potential forward impact of design choices/decisions, on production use and eventual disposal of textile products. Create a design narrative in response to a life-cycle analysis of the product.

Example

Slow design; design for long-life and short-life applications; design with enhanced aesthetic value; zero waste cutting.

Design to Minimise Waste



Zero Waste Pattern, David Telfer 2012

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Design for Cyclability

‘Once’ T-Shirt, Kay Politowicz & Sandy MacLennan 2012

Design to Reduce Chemical Impacts

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Bloom, Helen Amy Murray

Design to Reduce Energy and Water Use

Design that Explores Clean/Better Technologies

Design that Takes Models from Nature & History

Self-Assembly Collection, Philippa Brock 2009

Design for Ethical Production

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Design for Change, Clara Vuletich 2012

Design to Reduce the Need to Consume

Post Modern Play, The People's Print, Melanie Bowles & Emma Neuberg 2013

Design to Dematerialise / Develop Systems & Services

Fractal Shirt, Professor Rebecca Earley 2013

Design Activism

Kaly Aluvihare, Flex Project
BA Textile Design 2013

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Textiles
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Design

BA Textile Design: Francesca Gerhard-Acors 2012

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Sway : Models from Nature (2010)

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BA Curriculum Tate Duveen

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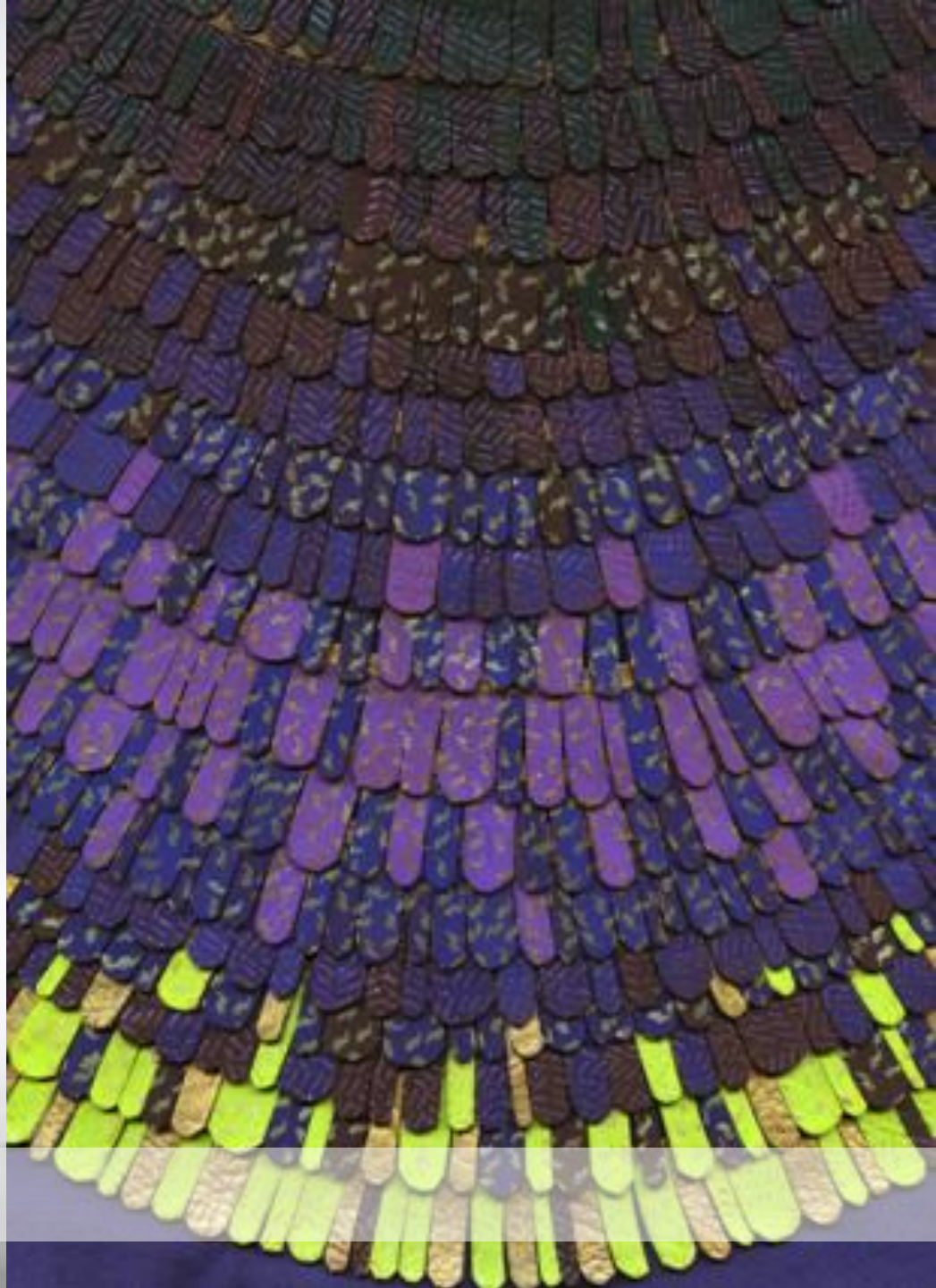

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Wallace Collection, Futurearmour 2011

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Burberry: BA Textile Design Project

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TEN Strategy Workshops CCW MA Textile Design 2012

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MA Textile Design Student Practice Lab Workshop 2013

Material?

Laundering?

End of life?

Technology?

Ethics?

Label?

Draw your garment

Other material elements?

Consumer involvement?

Mono-material ?

Systems & services?

Print or embroidery?

Reuse?

Finish?

Nature or history model?

Activism?

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May 2013

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Workshop Checklist 2013

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Zahra Jaan MA Textile Design 2013

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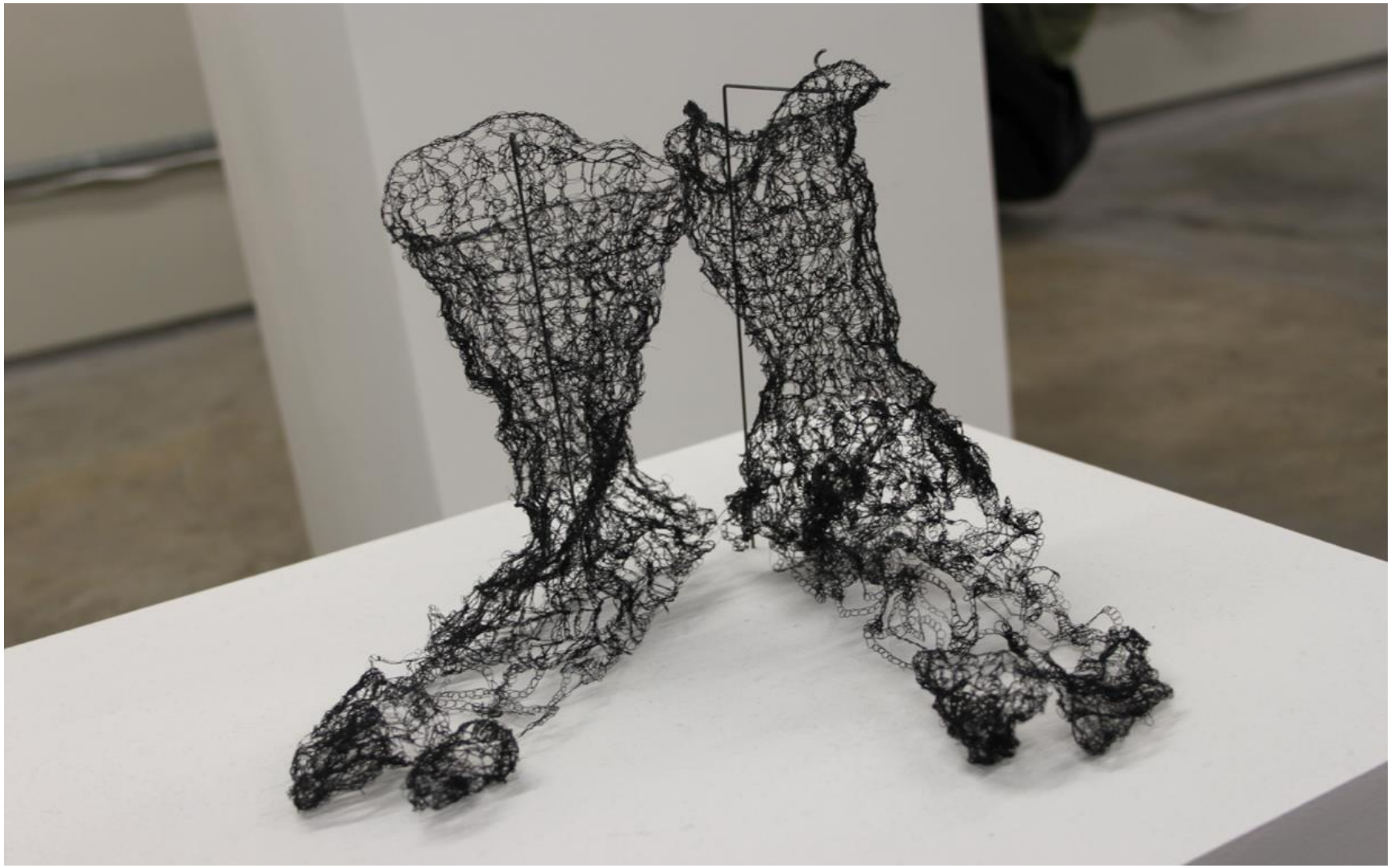

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Maria Afanador Leon MA Textile Design 2013

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Top left: Dublin
Above Right: London
Bottom Right: Hamburg
Centre: Eindhoven
Below: Tel Aviv

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TEN Strategies International Student Workshops

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Workshop Hochschule Der Kuenste Weissensee, Berlin 2010

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Oscar Ruiz Schmidt, Universidad Verdidas, San Jose, Costa Rica

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A Manifesto for Strategic Change

Education
Education in the arts must have a wider role in developing the manufacture and consumption of products beyond simple problem solving. Our material culture needs urgent philosophical direction. Stir it up.

Designers
Designers should refuse to accept the dominance of short term profit in the manufacture of textiles and expect to play a central role in integrating sustainability into contemporary culture. Work without guilt.

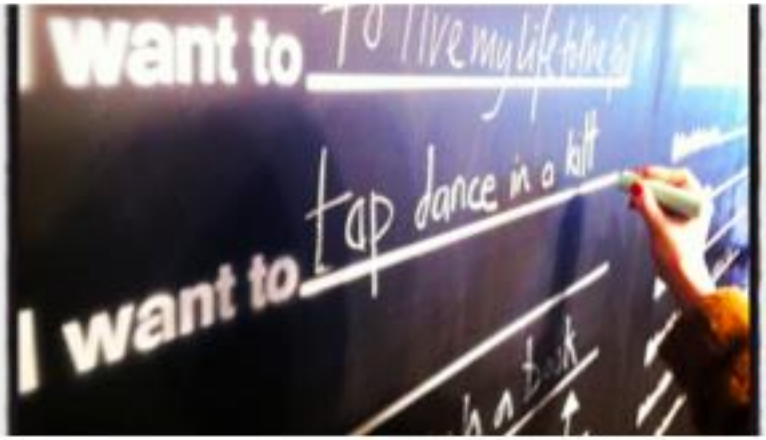
Manufacturers
Manufacturers should become agencies for change, seeking competitive advantage by redefining value systems imaginatively. Innovate into profit.

Consumers
Consumers need to be better informed about the ethical implications of things bought and the consequences of over-consumption and wastage. Get involved in finding solutions to our behaviour.

Political Strategists
Political Strategists must recognize and promote the power of design innovation to improve our environmental health. Our economic prosperity and social equity depend on it. And you.

Society
Society must accept the urgent need for environmental repair, the abolition of wasteful production and the revaluation of material resources. We pay for the consequences.

Your Manifesto?



- We want **YOU** to make a manifesto for your practice.
- We want **YOU** to use Interconnected Design Thinking to analyse and transform it.
- Reframe the aims of **YOUR** practice from the point of view of sustainability using TED's TEN strategies.

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MISTRA : Konstfack University College of Arts, Crafts and Design, Stockholm 2013

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MISTRA FUTURE FASHION

Cross Disciplinary: MFF aims to create a dynamic and robust relationship between the research community and practitioners in or with the Swedish textile and fashion industries.

MISTRA: MFF is funded by the Swedish Foundation for Strategic Environmental Research. MISTRA supports research towards a good living environment and sustainable development.

Links:
MFF: http://mistrafuturefashion.com/en/Sidor/default.aspx
MISTRA: http://www.mistra.org/en/mistra.html

RESEARCH Project Connects with Curriculum

MISTRA FUTURE FASHION

The Goal: The program aims to deliver insights and solutions that will be used by the Swedish fashion industry and other stakeholders to significantly improve the environmental and social performance – in the long term, create systemic change, while strengthening the global competitiveness of the industry.

Research Projects: The program consists of eight research projects, spanning areas such as policy instruments, eco-efficient materials and processes, and sustainable consumption.

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MISTRA ACTION RESEARCH - H&M Workshops, 2011 - 2013

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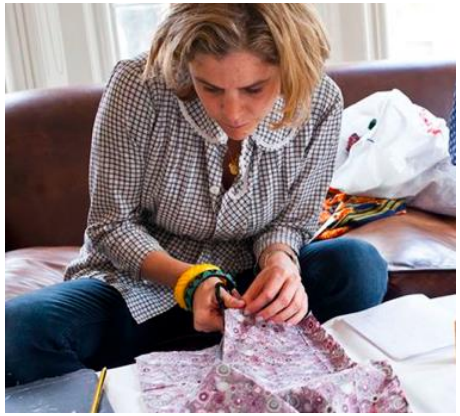

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MISTRA: Annual Event – TED's 24 Summer Workshop. Millbank, 2012

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ENTERPRISE - VF Corporation Exhibition FutureWear 2012

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Research

Textile Toolbox update

We have posted more texts from Otto von Busch, Kristine Harper and Matilda Aspinall on our platform for the research work on the MISTRA Future Fashion project. Visit this space for the first stage of what we hope will be an exciting and open space for the latest in sustainable textile and

News

UAL Professorial Platform: Professor Kay Politowicz – Design Lifetimes

We are pleased to announce Kay Politowicz will be giving a lecture on 17th of July in the Lecture Theatre at Chelsea, titled 'Design

News

TED wins UAL Sustainability Award 2013

ual: university of the arts london sustainability award 2013

We are very excited to announce that TED has won the UAL Sustainability Award 2013. more →

News

Material Futures publication wins best Editorial Design Award 2013

News

New THE TEN cards

The team has updated the text on

Textiles Environment Design

TED website – www.tedresearch.net

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Textile Toolbox

Latest Authors Topics Synergies About Textile Toolbox Partners Mailing List

atch our trailer about TED and MISTRA's platform for designers and experts to gage with new ideas for the fashion industry.

Timo Rissanen
Design to Minimise Waste

Clara Vuletich
Design for Ethical Production

Dr. Jonathan Chapman
Design to Reduce the Need to Consume

Kristine Harper
Aesthetic Sustainability

Textiletoolbox is TED's web platform project with MISTRA in Sweden, aimed at creating systemic change within the fashion industry through 'interconnected design thinking and processes for sustainable textiles and fashion'. This open innovation website is a platform for designers and experts to engage with new ideas. Read on →

Dr. Otto von Busch
Design Activism

ma Rigby
sign to Reduce Energy & Water Use

Matilda Aspinall
Designs That Look at Models From History and Nature

Sandy MacLennan
Design to Reduce Chemical Impacts

Sweden thrives of the hottest startups 2012 http://t.co/ciCbgTMT #newbusinessmodels #digitalcreatives

ut Textile Toolbox

le Toolbox is TED's web platform ct with MISTRA in Sweden, aimed at ting systemic change within the on industry through interconnected gn thinking and processes for inable textiles and fashion'. This open vation website is a platform for gners and experts to engage with new s. Read more →

The TED Research Team speak about the project

Rebecca Earley Kay Politowicz Clara Vuletich Miriam Ribul

Textiletoolbox – www.textiletoolbox.com

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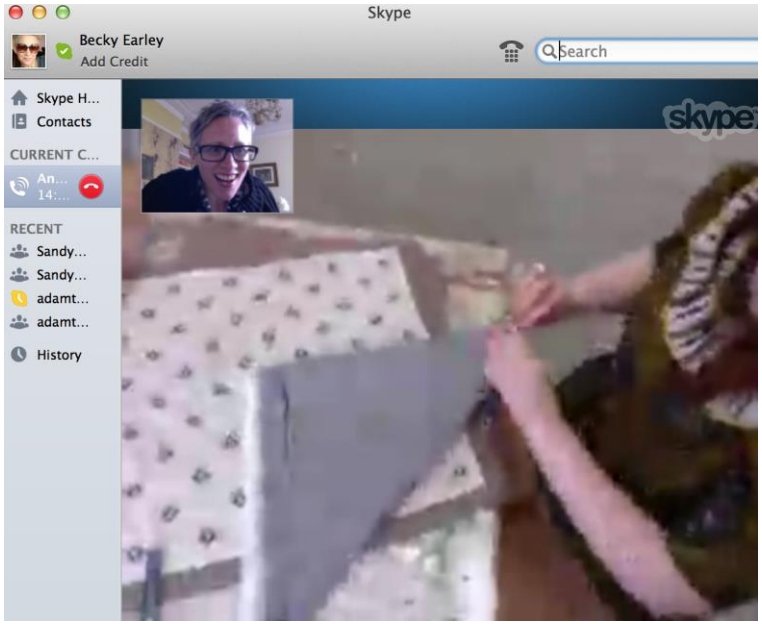

Textiles Environment Design

Top 100: Black Hack Chat, Professor Rebecca Earley, Jen Ballie, Dr Otto von Busch 2013

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Mathew Sawyer

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