From Consumer to Citizen: engaging students with participative methods in design

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ual:

- Unsustainable design
- Barriers to sustainability
- Design for sustainability
- Implications for teaching
- 2 Case Studies

(Reproduced from Temple and Hanrahan 2014 p3)

80% of a products environmental and economic costs committed by the design stage. (Graedel et al 1995, p17)

…industrial design has put murder on a mass-production basis. By designing criminally unsafe automobiles that kill or maim nearly one million people around the world each year, by creating whole new species of permanent garbage to clutter up the landscape, and by choosing materials and processes that pollute the air we breathe, designers have become a dangerous breed

(Papanek 1972 ix).

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Barriers to Sustainability

- Personal Conviction vs Sustainability literacy
    "I do not want to be seen to be pushing an agenda"
    "There is a danger of evangelising here"
- Failure of modernist design
- HE marketization

Responding to climate change
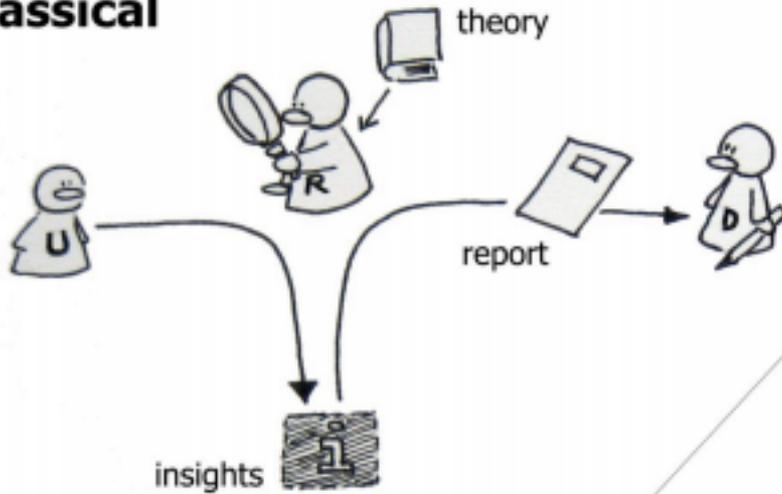
(Reproduced from Sanders and Stappers 2008 p8)

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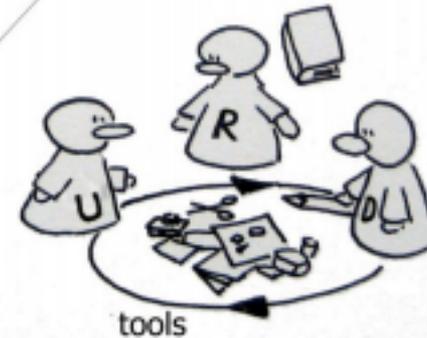**United Nations Conference on Sustainable Development**

Implications for teaching

- **Greater emphasis on relational skills, empathy in particular**

To sense the client's private world as if it were your own, but without ever losing the 'as if' quality.

(Rogers 1957 p226)

(Reproduced from Temple and Hanrahan 2014 p4)

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Consciencious Communicators (Temple and Hanrahan 2013)

Place[s] environmental and socially responsible thinking at the heart of…[the] curriculum…and foster a set of values and challenges for all academic levels and disciplines to consider

(Temple and Hanrahan 2013 p1).

Materials

Thinking

Message

Process

People

Inside Outside Sustainable Printmaking (Blake and Salvadori 2013)

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Our ethos was that a shared learning environment would foster collaboration as learning by doing, rather than one in which teacher leads and student follows

being on the spit of land by the sea, watching the change in weather and tide brought me closer to the marks I made and colours used

it made me travel to another epoch and imagine the lives of the people who used to live there. I could really feel those lives around me while printing

(Blake and Salvadori 2013)

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Thanks

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