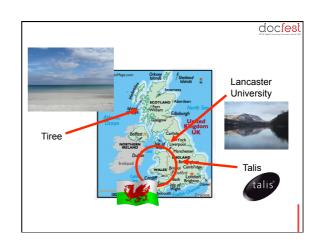
Understanding Creativity: from bad ideas to personality prosthesis Alan Dix Talis & Lancaster University www.hcibook.com/alan/ www.alandix.com

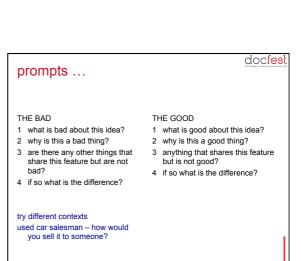
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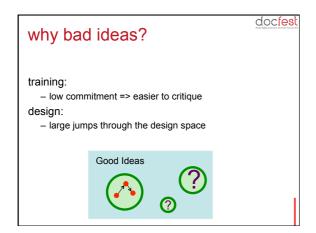


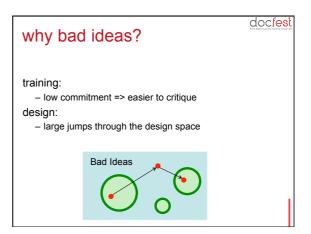
group challenge think of a bad / silly idea e.g. inflatable dartboard, chocolate teapot or actually 3 to give to other groups ;-)

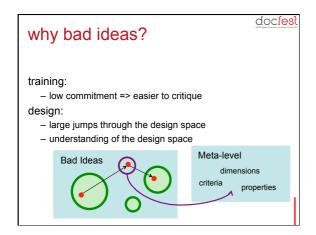


Make it a good idea What is good - keep it What is bad - change it Change context Learn from aspects









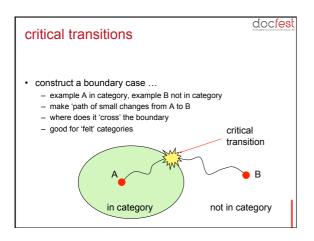


critical transitions and generating examples

critical transitions and bad ideas

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- good uses of bad feature: "what's the difference"
- similar yet critical difference (good/bad)
- helps articulate (externalisation): dimensions, facets, concepts, criteria
- · general technique ...



boundaries

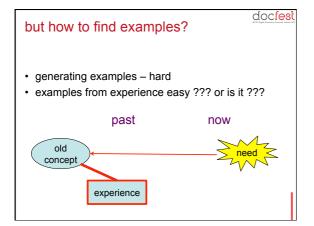
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- · where the action is (wild west, sea shore)
- · reductionist define and delineate
- intuitive life is fuzzy, categories meaningless

a different way

- · define and delineate
 - for what you learn not the result
- · wholeheartedly seek but hold lightly the outcome



but how to find examples? generating examples – hard examples from experience easy ??? or is it ??? past now experience similar surface characteristics

but how to find examples?

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- generating examples hard
- examples from experience ... actually harder!

but .. generating examples ...

- · take arbitrary concrete example
- · morph to new concept
- constant concrete abstract movement

externalisation

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different kinds

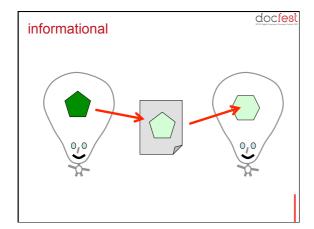
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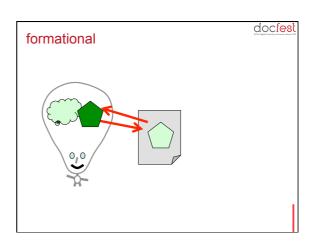
- · drawings and sketches
- models
- · diagrams
- · mathematical formulae
- spoken words (learn to listen to yourself)
- written words (on paper, or screen)
- · computer programs
- acting

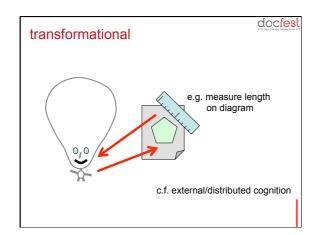
why externalise?

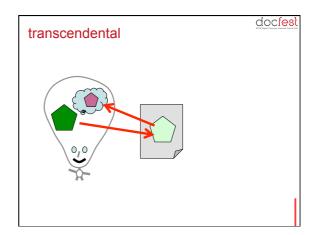
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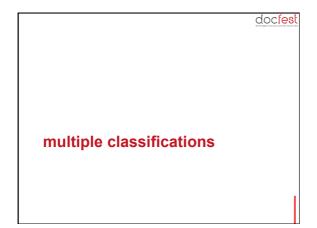
- informational
 - passing on to others already formed ideas
- formational
 - ideas become clearer by the process of externalisation
- transformational
 - thinking using materials
- transcendental
 - our thoughts and ideas become the object of thought

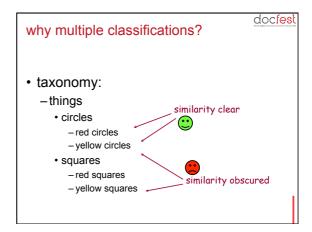


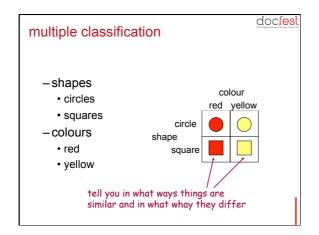


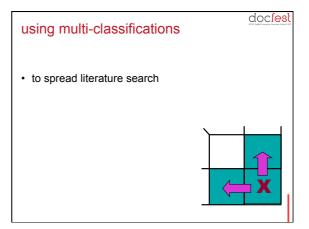


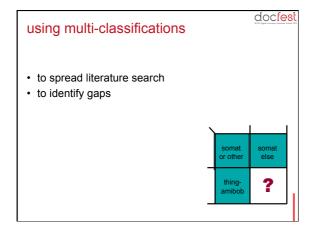


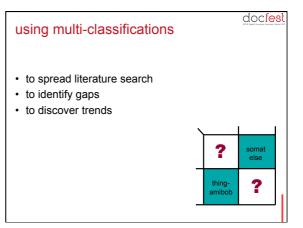


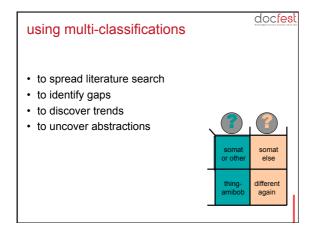


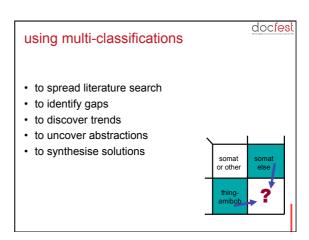












personality prostheses

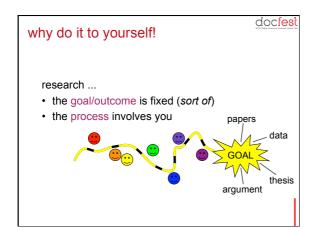
a researcher is ...

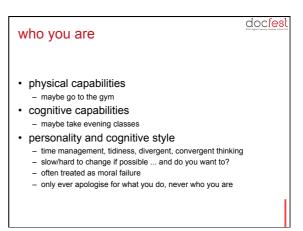












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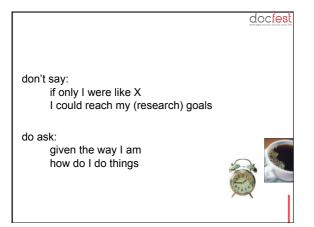
tools to help you given who you are

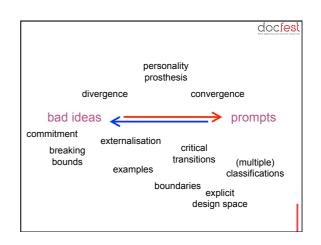
(NOT to change who you are)

- · physical prosthesis
 - forklift
- · cognitive prosthesis
 - calculator
- · personality prosthesis

N.B. Csíkszentmihályi – creative thinkers extreme at \underline{both} ends of personality traits

- convergent thinker bad idea helps divergence
- divergent thinker prompts help convergence





come to
Tiree Tech Wave
3-7 Nov 2011