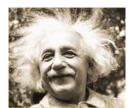


Structure

- Generating new ways of thinking
- · Ideas we 'think of', ideas we 'think with'
- Sustainable building design performance criteria
- Analysis targets options evaluate optimise

2

Generating new ways of thinking



 We cannot solve our problems with the same thinking we used when we created them.

Albert Einstein

Ideas we 'think of', ideas 'we think with'







.....

4

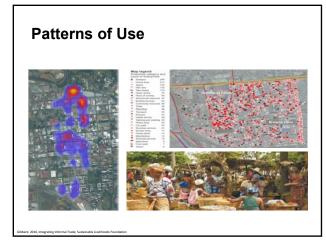
Rainwater harvesting capability

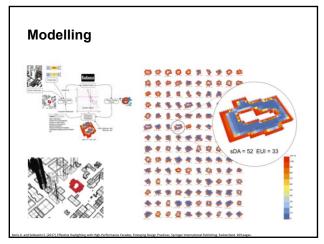


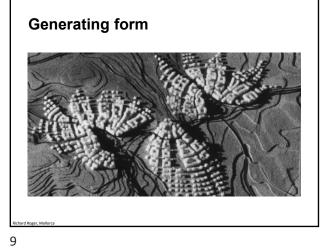
5

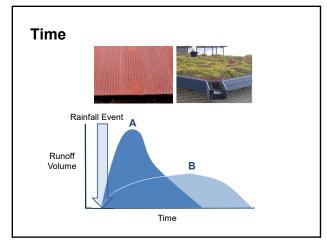
Solar capability

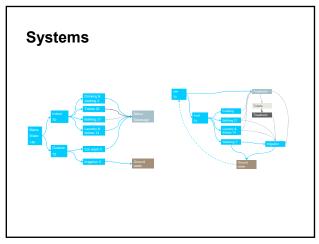


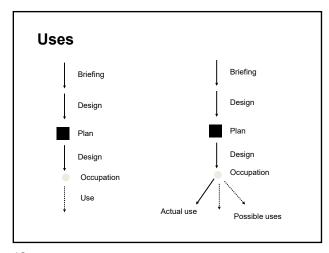


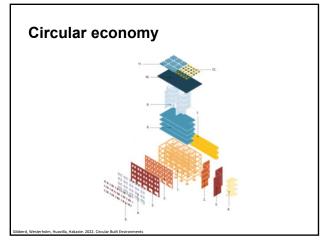














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New ways of living and working



- 45% less energy (3.4kWh/person/day)
- 50% less water (87l/person/day)
- 60% waste recycled (4.5kg/person/week)
- 86% buy organic food
- 36% grow some of their own food
- 84% better community facilities
- 60% less car ownership

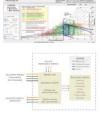
p://www.oneplanetcommunities.org/wp-content/uploads/2010/03/BedZED-seven-years-on-low-res-fina

Sustainable building design performance criteria: BEST, BREEAM, Greenstar, LEED, SBAT, WELL

Energy Shelter Mobility Water Water Nourishment Waste Food Materials Goods Light Biodiversity Services Movement Thermal Comfort Transport Waste Sound Resources Biocapacity Materials Management Health Local Economy Knowledge Community Services and Products Employment Innovation Access Health Others? Education Inclusion Social Cohesion

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Analysis - targets - options - evaluate - optimise



- Rationale for targets based on
- Identification and evaluation of options
- Optimisation through refinement
- Provide evidence of process, optimum solution and benefits
- Climate analysis, passive environmental control strategies
- Energy, daylight and water modelling
- Local economy, jobs, food, health, education modelling

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Thank you, Questions?

