

**RAE case studies
on Engineering
Design for
Sustainable
Development:**

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Context

- Institute of Energy & Sustainable Development
- MSc + PhD, CPD in pipeline
- students:
 - practising professionals
 - engineers, architects, planners, managers . . .
 - 2/3 are distance learners
- main IESD MSc is 'Climate Change & Sustainability'
- implications for background knowledge, delivery media, pedagogic approach and language

Media

- CD delivery of case study + source materials
 - distance learning
 - modem access
 - poor library access
- Adobe pdf
 - multi-platform format: Windows, MacOS, Unix
 - free, robust, widely-used reader software
 - predictable layout (unlike HTML)
 - page-based
 - good range of pedagogic tools
 - modular
 - suits intranets + broadband Web as well as CD

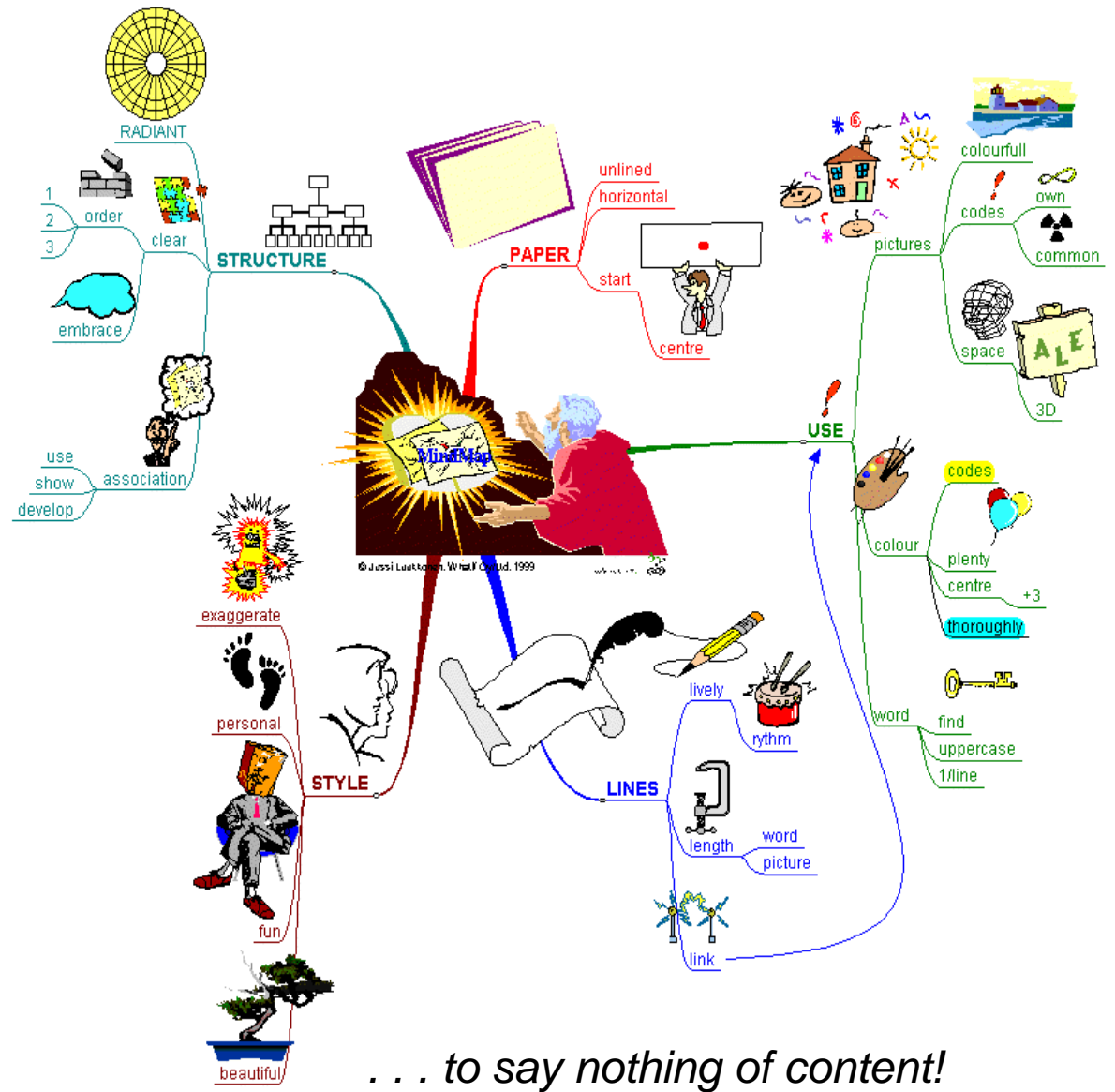
Case studies

- Case studies:
 - sustainable building - Queens Building, DMU
 - climate change and the city - Leicester
 - renewable energy in the city - London
 - 2 more to follow in 2002-4
- Central themes:
 - energy
 - human factors
 - systems thinking – especially technology-people-money interactions

Structure



A few of the issues . . .



. . . to say nothing of content!

Some statistics

- 9 sections
- 98 pages main text, 124 pages total
- > 260 popups (2 levels)
- 2 spreadsheets, 1 movie
- 100MB library containing > 150 attached documents
- sophisticated navigation tools
- full-text index