Sustainable Innovation & Design

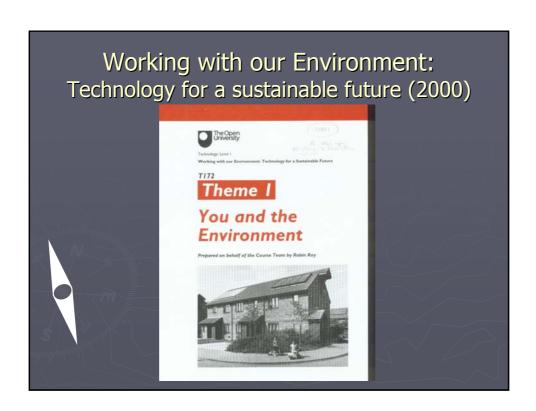


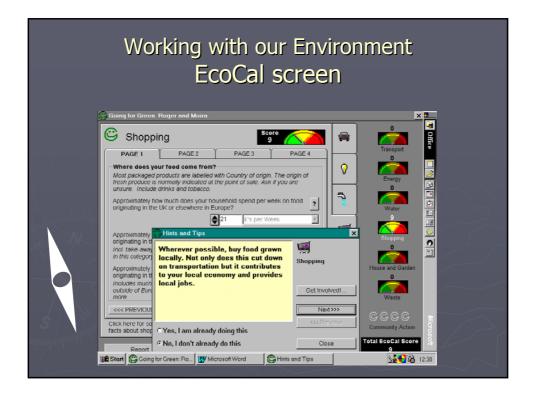
ACADEMIC PERSPECTIVE

Robin Roy, Design Innovation Group,
The Open University

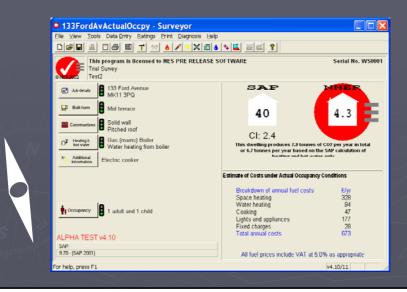
UK Government Sustainable Development Strategy, p. 38

➤ To encourage... the college and university sectors to embed sustainable development within their teaching and learning....





Working with our Environment NHER Surveyor screen



Working with our Environment Students' behaviour changes

- ▶ I have carried out loft and window insulation to reduce heat loss.
- ➤ We shop for food now with an awareness of `food miles' and what's `in-season'.
 - We moved house to reduce travel to and from work.

UK Government Sustainable Development Strategy, p. 37

By linking teaching to issues of direct concern to ...peopletheir learning becomes more relevant and compelling....

Working with our Environment: Technology for a Sustainable Future

- ▶1: You and the Environment
- ▶2: Travelling light
 - 3: Food Chains
 - Thinking globally

Innovation: Designing for a Sustainable Future (2006)

- ▶ 1. Invention and innovation: an introduction
- ▶ 2. Markets: designing for people
- ➤ 3. Products: new product development and eco-innovation
 - Diffusion: consumers and innovation
 - 5. Consumption: innovation for sustainability

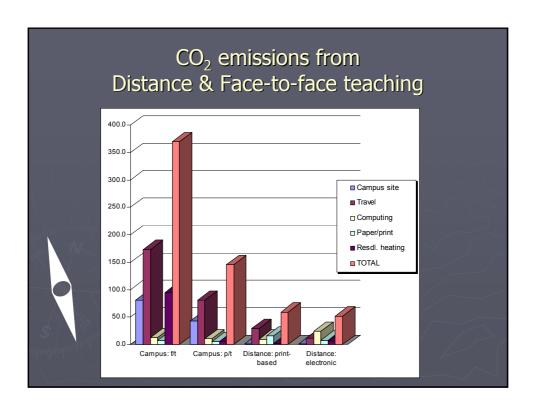


UK Government Sustainable Development Strategy, p. 48

➤ The Government proposes ...to champion and educate in eco-design, and promote best practice tools and approaches which can be adopted by designers.

UK Government Sustainable Development Strategy, p. 90

➤ The education sectoris responsible for 10 per cent of all carbon emissions from all commercial and public buildings.



People-centred eco-design: Adoption and use of low carbon products

- What factors affect the widespread consumer adoption and effective use of low and zero carbon products and systems?
- How might low and zero carbon products and systems be designed to be more attractive to consumers?



UK Government Sustainable Development Strategy: Summary

- ... measures to improve the environmental performance of products and services
- ▶ a new push to influence consumption patterns.

support for innovation to bring through new products, materials and services.