IC, UAD & Heriot-Watt

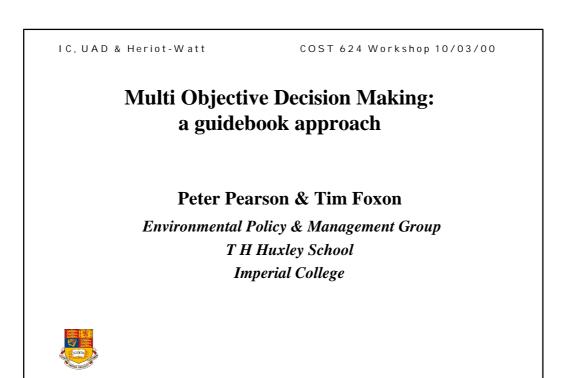
COST 624 Workshop 10/03/00

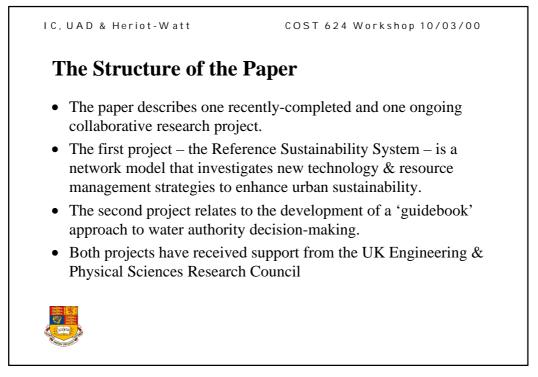
Multi Objective Decision Making: a guidebook approach Peter Pearson & Tim Foxon, Environmental Policy & Management Group, T H Huxley School, Imperial College, London

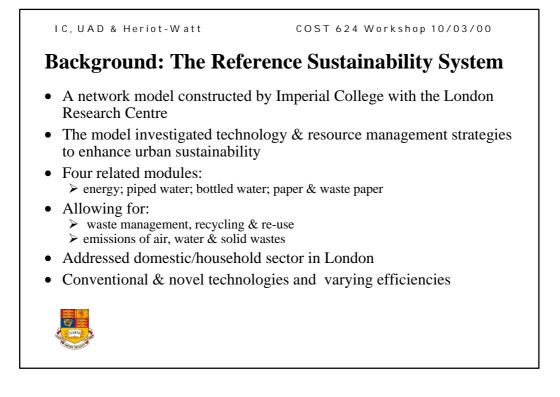
Abstract

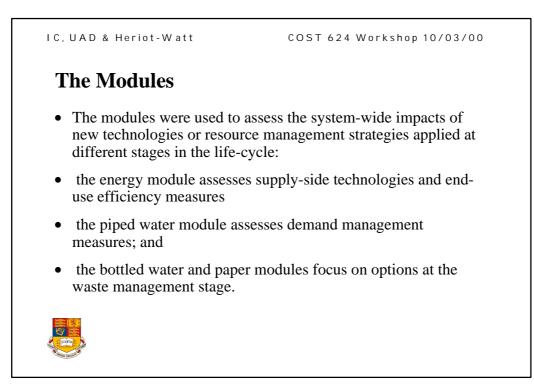
The paper describes one recently-completed and one ongoing research project. The first project, the Reference Sustainability System, is a network model that investigated new technological and resource management strategies to enhance urban sustainability. Based on data for the domestic sector in London, it developed modules relating to energy, paper and waste paper, piped water and bottled water. This research demonstrated the potential value of going beyond modelling, to the development of decision supporting tools/frameworks that take into account user needs and stakeholder perspectives. The second part of the paper describes the current project, which develops a 'guidebook' approach to multi objective decision making by water authorities. The guidebook will offer a framework that aids the incorporation of sustainability assessment in decision making. It will provide guides to the selection and use of a range of environmental, social, technical and economic criteria, as well as to the tools and assessment methodologies that can assemble or generate appropriate data. Then, through two case studies, the use of the guidebook to aid decision making will be demonstrated.

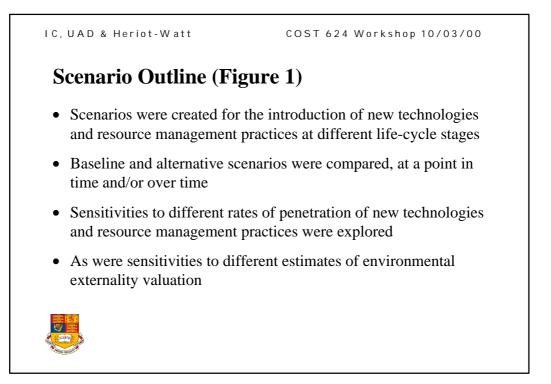


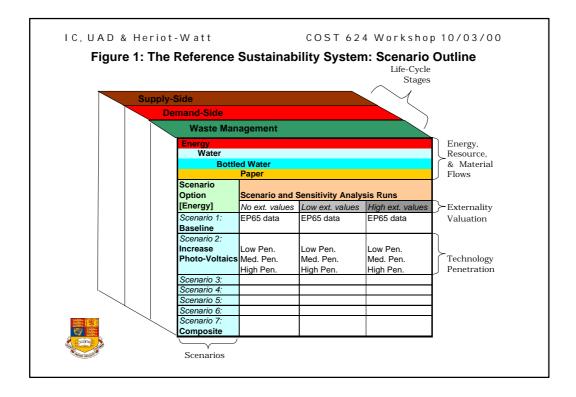


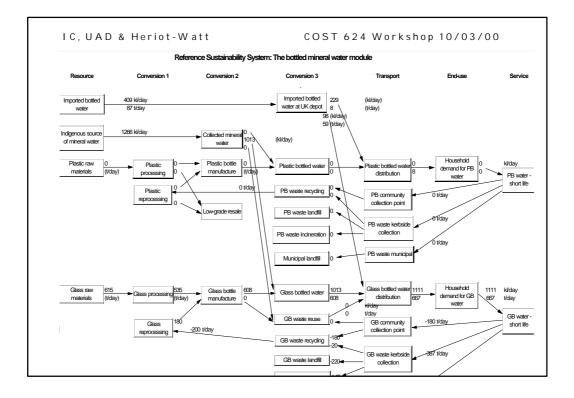


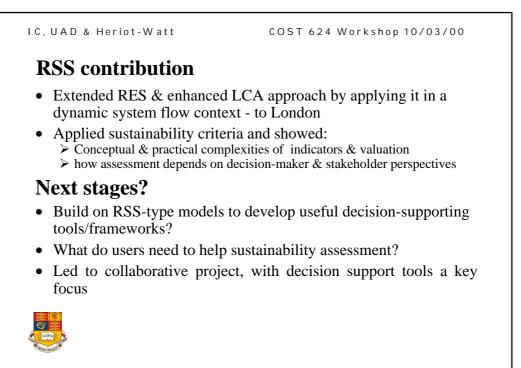


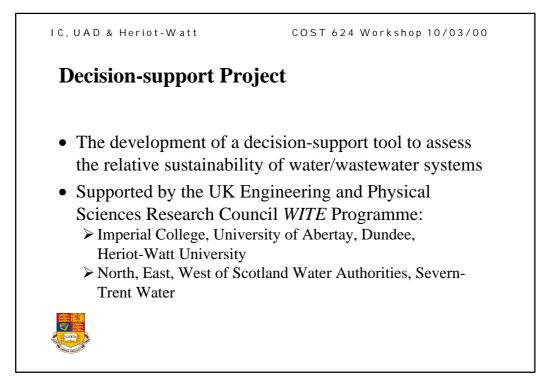


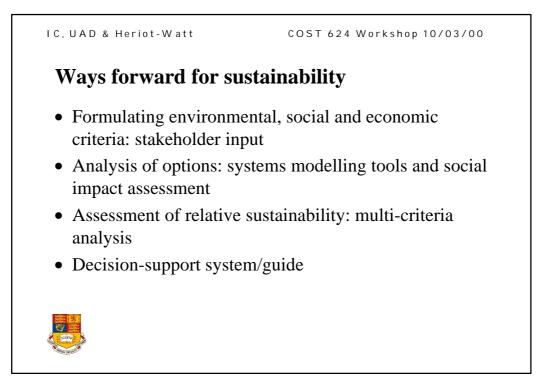


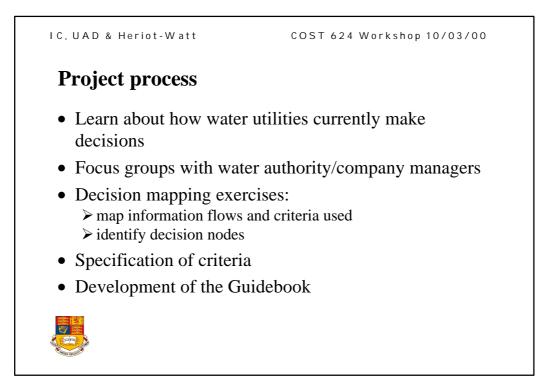


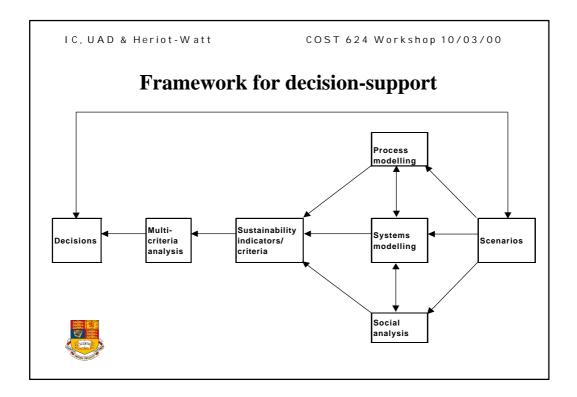


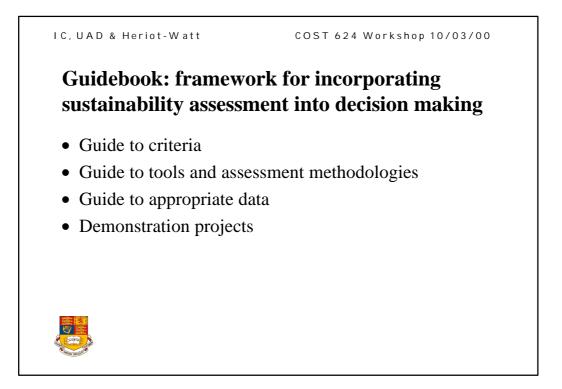


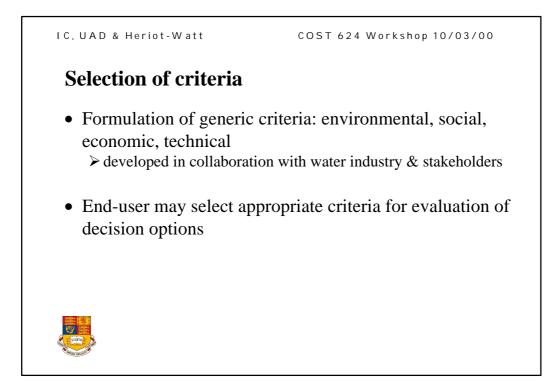


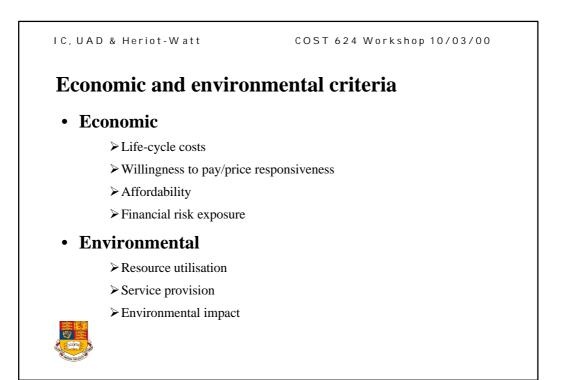












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