

Environmental Information Systems For Sustainable Urban Planning, Regeneration and Management

Objectives

This research will deliver information systems and decision aids for use by planners, developers and other stakeholders involved in urban regeneration. The project will:

- identify and prioritise user requirements and issues in the selected sector(s)
- develop structured approaches to address these requirements and, through a decision-rule base, to incorporate these into a prototype decision-aid system
- identify the key information sets which are required at various stages of the decision-making process and to assemble these from existing sources
- load data into the prototype decision-aid system and to test the system with trial questions from the user community at both strategic (regional, sub-regional) and specific (neighbourhood, site) level
- disseminate information through the internet, publications, a digital demonstration package and seminar/workshops for interested organisations

Location

Generic

Approach

- Use of a scoping study to guide the research
- Assembly of data, analytical tools and models from a wide range of areas of environmental concern
- Development of generic framework for integrating analysing and reporting environmental information
- Provision of a structured approach to urban management using Spatial Decision Support Systems
Provision of expert systems to assist in managing key issues at a local and strategic level

Start date/duration

October 2000

Three years

Lead Organisations

British Geological Survey, Keyworth
University of Nottingham
CEH Wallingford
CEH Monks wood
CEH Bush

Deliverables

- A series of realistic case studies (additional help system and user notes)
- On-screen aids to guide users
- A full report of methods and findings
- A demonstration decision aid system and associated training package, distributed on CD. Key information will be made available on the WWW

Users

DETR

English Heritage, English Partnerships

Telford and Wrekin

Glasgow City and Newham Councils and others

Further details

Further information is available from the following contacts:

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