

# 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:

Lead Researcher: Professor M. Culshaw

Tel: 0115 936 3380, Fax: 0115 936 3460, e-mail: [mgc@bgs.ac.uk](mailto:mgc@bgs.ac.uk)

URGENT Programme Manager: Graham Leeks

Tel: 01491 692203, Fax: 01491 692313, e-mail: [gjll@ceh.ac.uk](mailto:gjll@ceh.ac.uk)