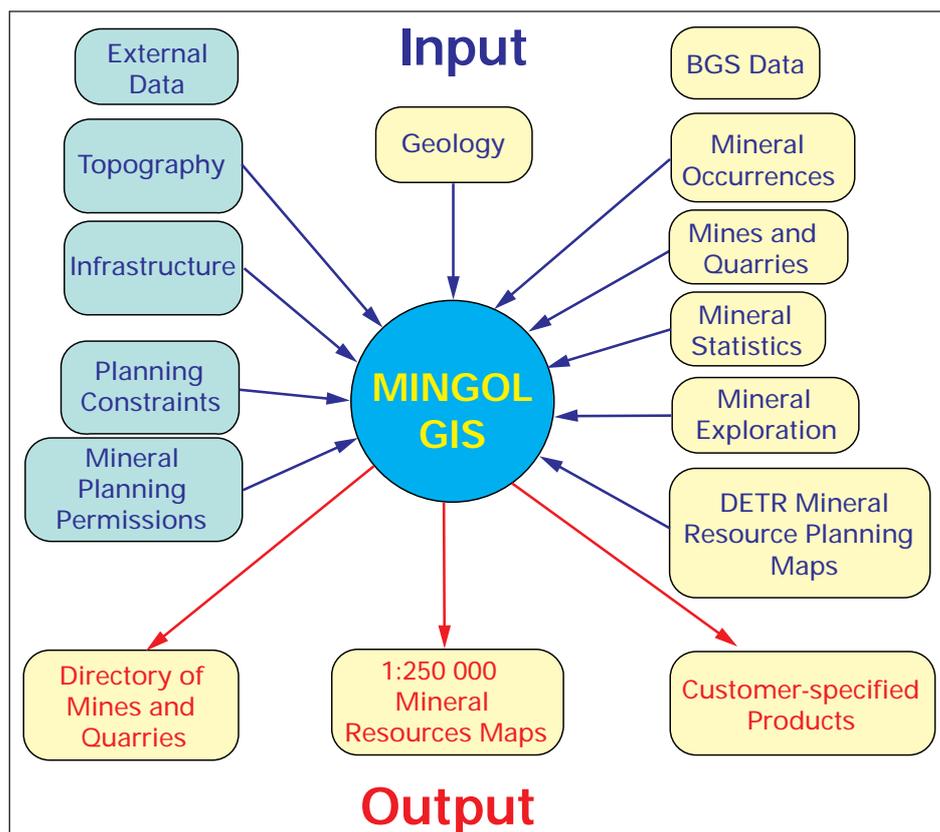


# MINGOL: interactive minerals GIS

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## Information on-line



*Design and integration of the BGS MINGOL system.*

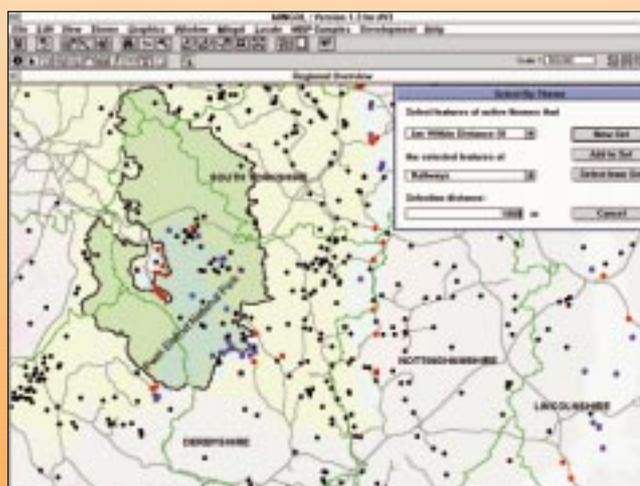
MINGOL (Minerals GIS On-Line) is a Geographical Information System (GIS) providing minerals information in Britain for a wide range of customer applications into the twenty-first century. At its centre is a state-of-the-art GIS on the nature and distribution of metallic, industrial and construction mineral deposits, within the context of current planning and environmental constraints. MINGOL forms an easily accessible minerals information system, based on the capture and integration of BGS mineral resource datasets, from which value-added products can be developed to meet customer needs.

The MINGOL system continues to develop. The current display integrates national topographic and geological data with information on active mines and quarries from the BGS BRITPITS dataset. Mineral exploration information from the private sector and the BGS Minerals Programme can also be shown and interrogated.

The MINGOL system is now being developed in a regional context at a scale of 1:250 000 to cover the whole of Britain, starting with the English Lake District, an area which encompasses a variety of

working quarries, mineral deposits and local planning constraints. Data from the County Mineral Resource map series, being produced for the Department of the Environment, Transport and the Regions (DETR) is being incorporated into the MINGOL system.

Several commercial contracts have already been completed by the BGS using data from MINGOL and the capabilities of the system are being demonstrated to potential customers in a wide range of governmental and industrial fields.



*A typical MINGOL query, showing limestone quarries (red) within 1 km of a railway, selected from all limestone quarries (blue), selected from all quarries in the BRITPITS database of active mines and quarries (black).*