

## 全国1:50万环境地质调查信息系统开发初探

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**摘要:** 即将全面完成的分省(区、市)1:50万环境地质调查取得丰富的、系统的、海量的、最新的调查信息。为全面提升国土环境地质调查研究程度和水平, 根据多用户的需求, 本文从信息集成模块和综合研究模块入手, 构建了包括文字资料查询、图形及空间数据库查询和综合研究成果查询3个子系统在内的全国1:50万环境地质调查信息系统, 可建设成为国土资源地质环境主管部门的宏观决策信息支持系统。

**关键词:** 1:50万环境地质调查; 信息集成; 综合研究; 信息系统; 中国

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### Development of the national 1:500000 environmental-geological survey information system

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**Abstract:** The national 1:500,000 environmental-geological survey of provinces (autonomous regions and municipalities directly under the Central administration) is about to be completed. Through this survey plentiful, systematic and updated survey information has been acquired. In order to raise the level and extent of environmental-geological survey, according to the requirements of all kinds of users, proceeding with information integration modules and integrated research modules, the authors constructed the 1:500,000 environmental-geological survey information system, including three subsystems: text information query, graphics and spatial-database query and integrated research result query. This system can be constructed into a support system for the macro-decision of the administrative departments in charge of land and resources and geological environment.

**Key words:** 1:500,000 environmental-geological survey; information integration; integrated research; information system; China