

[1]陈慧敏,胡飞虎,耿泽飞,等.基于GIS的灾害应急管理系统业务数据和空间数据的集成[J].自然灾害学报,2011,01:163-167.

CHEN Hui-min,HU Fei-hu,GENG Ze-fei,et al.GIS-based integration of spatial-data and business-data in disaster emergency management system[J].,2011,01:163-167.



基于GIS的灾害应急管理系统业务数据和空间数据集成

《自然灾害学报》[ISSN:/CN:23-1324/X] 期数: 2011年01期 页码: 163-167 栏目: 出版日期: 2011-03-09

Title: GIS-based integration of spatial-data and business-data in disaster emergency management system

作者: 陈慧敏¹; 胡飞虎¹; 耿泽飞¹; 张智²

¹西安交通大学电气工程学院, 陕西 西安 710049;

². 国家测绘局陕西基础地理信息中心, 陕西 西安710054

Author(s): CHEN Hui-min¹; HU Fei-hu¹; GENG Ze-fei¹; ZHANG Zhi²

1. School of Electrical Engineering, Xi'an Jiaotong University, Xi'an 710049, China;

2. Shaanxi Geomatics Center, State Bureau of Surveying and Mapping, Xi'an 710054, China

关键词: 灾害应急管理系统; 数据集成; 地理信息系统; 空间数据引擎

Keywords: disaster emergency management system; data integration; geographic information system(GIS); spatial data engine(SDE)

分类号: TP311.13

DOI: -

文献标识码: -

摘要: 常用的关系数据库缺乏直接管理空间数据的成熟的通用方案.借助于空间数据库引擎(SDE)技术,扩展了关系数据库功能,使关系数据库成为业务数据和空间数据的统一存储管理平台,并在此基础上建立了基于Geodatabase模型的灾害应急管理系统数据库,对系统数据整体结构进行研究设计,解决了空间数据和业务数据的关联问题,实现了灾害应急管理系统空间数据和业务数据的无缝集成和一体化存储.该方法已在省级应急管理信息示范平台上成功应用.

Abstract: At present,there is little mature solution to manage the spatial data in common relational database.In this paper,the technique of spatial database engine was used to extend the relational database and make it to be the unified storage and management platform for the business data and the spatial data.An emergency management system database model based on geodatabase was

导航/NAVIGATE

[本期目录/Table of Contents](#)

[下一篇/Next Article](#)

[上一篇/Previous Article](#)

工具/TOOLS

[引用本文的文章/References](#)

[下载 PDF/Download PDF\(1173KB\)](#)

[立即打印本文/Print Now](#)

[推荐给朋友/Recommend](#)

统计/STATISTICS

摘要浏览/Viewed 144

全文下载/Downloads 94

[评论/Comments](#)



established and the structure of the system database was designed in this paper. As a result, the association of the spatial-data and the business data is solved and it is realized that the spatial-data and the business data are seamlessly integrated and are stored and managed uniformly. This method has been successfully implemented in emergency management information demonstration platform on the provincial level.

参考文献/REFERENCES

- [1] , , , . GIS [J]. ,2007,16(2):16-