

[1]徐磊,林剑,龙万学.面向对象的公路地质灾害监测预报数据组织[J].自然灾害学报,2012,04:190-196.

XU Lei,LIN Jian,LONG Wanxue.Object-oriented data organization in geological disaster monitoring and prediction of highways [J].,2012,04:190-196.



面向对象的公路地质灾害监测预报数据组织(PDF)

《自然灾害学报》[ISSN:/CN:23-1324/X] 期数: 2012年04期 页码: 190-196 栏目: 出版日期: 2012-08-30

Title: Object-oriented data organization in geological disaster monitoring and prediction of highways

作者: [徐磊¹](#); [林剑¹](#); [龙万学^{2; 3}](#)

1. 湖南科技大学 知识处理与网络化制造重点实验室,湖南 湘潭 411201;
2. 贵州省 交通规划勘察设计研究院股份有限公司,贵州 贵阳 550001;
3. 同济大学 交通工程学院,上海 201804

Author(s): [XU Lei¹](#); [LIN Jian¹](#); [LONG Wanxue^{2; 3}](#)

1. Key Laboratory of Knowledge Processing and Networked Manufacturing, Hunan University of Science and Technology, Xiangtan 411201, China;
2. Guizhou Transportation Planning Survey & Design Academy Co.,LTD, Guiyang 550001, China;
3. School of Transportation Engineering, Tongji University, Shanghai 201804, China

关键词: [地质灾害预报](#); [面向对象](#); [数据组织](#); [GIS](#)

Keywords: [geological disaster prediction](#); [object-oriented](#); [data organization](#); [GIS](#)

分类号: TP311

DOI: -

文献标识码: -

摘要: 进行公路潜在的地质灾害点监测预报对维护公路安全具有重要的意义。针对公路地质灾害受人为因素影响大,监测预报系统涉及数据面与类型多的特点,根据系统功能要求研究了以面向对象的方法组织系统数据,灾害预报的实质是对潜在灾害点所表现各类信息进行综合评估,将预报所涉及各类实体分为6个基类,依据基类内各类实体特点将各基类划分成几个子类,构建了基类实体之间的以及实体与属性之间关系模型,实现了各种类型数据的有机组织。

Abstract: The monitoring and forecasting of highway' s potential geological disasters are of great significance to maintain highways' safety. Aiming at the characteristics of highway' s geological disasters' forecast, such as human' s great influence on geological disasters, various data aspects and types involved in the monitoring and prediction system, etc., object-oriented data organization method was proposed according to system function requirements. The essence of disasters forecast is to make comprehensive evaluation for all kinds of geological disasters' information. With this in mind, all kinds of entities involved in the forecast were divided into 6 base classes, and each base class was divided into

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(1280KB)	
立即打印本文/Print Now	
推荐给朋友/Recommend	
统计/STATISTICS	
摘要浏览/Viewed	247
全文下载/Downloads	138
评论/Comments	



subclasses according to the base entity' s features. Then relationship models were constructed between entities, and entities and their attributes, and thus, various types of data were organized organically.

参考文献/REFERENCES

-

备注/Memo: 收稿日期:2011-10-9;改回日期:2011-12-5。

基金项目:湖南省科技计划一般项目(2010FJ3166);湖南省发改委项目(湘财企指[2008]149号)

作者简介:徐磊(1986-),男,硕士研究生,主要从事地理数据组织管理与3S技术应用研究. E-mail:xuliegeo@163.com

更新日期/Last Update: 1900-01-01