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基于Flex Viewer框架的地质灾害在线实时监测预警

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Title: Geological disaster on-line real-time monitoring and early-warning system research based on the Flex Viewer framework

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关键词: 物联网; RIA; WebGIS; Flex Viewer; 地质灾害; 在线实时; 监测预警

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摘要: 对地质灾害的监测方法及存在的问题,体系结构、关键技术、功能设计等进行了探讨。利用物联网技术,结合RIA技术、WebGIS技术,在Flex Viewer开源框架下,采用开放式设计,实现了适合地质灾害实时监测预警的软硬件结合的网络应用系统,为地质灾害的监测预警提供了一种切实可行的解决方案,可有效地应用于地质灾害的实时监测、预警及数据分析,为防灾治灾服务。

Abstract: This research discussed the geological disaster monitoring methods and the existing problems, as well as the structure, key technology, function design of the monitoring systems and so on. Based on Flex Viewer open source framework, and in combination with technologies of RIA and web GIS, the system uses the Internet of things technology and open design, realizes a real time monitoring and early warning of geological disasters network application system integrating hardware and software, which provides a practical and feasible solution for the geological disaster monitoring and early warning. The system can be used for geology disaster monitoring, early warning and data analysis, and is of service to disaster prevention and reduction.

参考文献/REFERENCES

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