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县域自然灾害综合风险区划图编制 ——以滦县为例

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Title: Drawing of natural disaster comprehensive risk zoning map for county regions: a case study of Luanxian County

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摘要: 以现有单灾种风险区划数据为基础,研究实施县域自然灾害综合风险区划图的编制十分必要.以唐山市滦县为对象,探讨了县域自然灾害综合风险区划图编制的实现思路和方法.以滦县现有的地震、地质、气象、洪涝等灾害风险区划数据为基础,利用Arcgis平台,分别采用叠置分析和视觉信息叠加的方法,进行了该县自然灾害综合风险区划图的编制工作,并作了对比分析.研究表明:叠置分析得出的结果图信息概况性强,有助于县级或更高级政府进行防灾决策,而视觉信息叠加给出的结果图信息量大,便于缺乏防灾专业人才的乡、镇政府开展防灾工作.

Abstract: It is necessary to study the compilation of comprehensive natural disaster risk zoning map in county region based on the existing risk zoning data on single kind of disaster. With Luanxian County, Tangshan City as the research object, the idea and method realization for the risk zoning map were explored. Based on existing disaster risk zoning data on earthquake, geology meteorology, flood and waterlogging, and with Arcgis platform, the comprehensive natural disaster risk zoning map of the county was compiled using the overlay analysis method and the visual information superimposition method, respectively, and the results from the two methods were compared. The results show that, the information from overlay analysis has better generality and is favorable to disaster prevention decision making for governments in county level and move high levels; while the information from visual information superimposition method is abundant and convenient for disaster prevention work for government in town level which is

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