

Building air environment monitoring software for Thai Nguyen province based on GIS technology

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Abstract: In the context of increasingly severe air pollution, this study focuses on developing a software system to monitor air quality in Thai Nguyen province using GIS technology. The goal is to provide a solution that helps management agencies and the community gain a comprehensive view of the air environment situation. The research methodology includes synthesizing data from multiple sources, analyzing it with GIS, and deploying a software application. The expected results will contribute to improving the effectiveness of local air quality monitoring and management.

Keywords: GIS, Environmental monitoring, Air, Software, Thai Nguyen