

Development of Spatial Resource Management System in Yehliu Geopark

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Yehliu Geopark possesses specific natural environment and rich sightseeing resources, hence, it attracts numbers of domestic and foreign tourists to visit. In order to pursue evenly both of the quality of tourism and environment protection, the Enterprise Spatial Resource Management, ESRM, was built up for Yehliu Geopark in 2012. The multimedia applications, such as virtual flight guiding system, Yehliu e-docent (Yehliu Tour), and touchscreen tourist guide system, serve with the park information like natural environment monitoring, eco-environment investigation, rock weathering/erosion monitoring, docenting, and historical literatures, to meet the needs of tourists and any park intro requirements.

The ESRM is also a real time information center, besides its introduction and e-docent services. Such platform, ESRM, provides decision makers to determine instantly with events in the park: population in the park, facilities use and maintenance, and emergency announcement and feedback, by appear ESRM integrated info on the dashboard without using traditional method like papers and pens but immediate info. Together with the current and follow-up related investigation results, the function of analysis and simulation is strengthen gradually under persistently collecting about the information of park business management and dynamical information of natural environment by ESRM. The ESRM is hoping to become the data center and to support to make decisions. In the same time, assisting manager to do a better job on running park and its management, environmental education, and tourist service in efficiency and quality.