

Using UAVs for disaster monitoring & tourist management



Danxiashan UNESCO Global Geopark
Shaoguan, China



Awareness-raising tools & practices:

- Educational materials (flyers, posters, brochures)
- Exhibitions & museums
- Community engagement
- Workshops / Training
- Campaigns / social media

Danxiashan UNESCO Global Geopark is famously known for its 'Danxia' landforms. Geological hazards such as rock falls pose a potential risk to the geopark. Advanced technology has been adopted for inspections and emergency management. Since 2008, Danxiashan UNESCO Geopark has carried out a survey on geohazards, and the data has been updated every year. At present, 27 geological disasters, 50 potential disaster points and 3 unstable slopes have been identified. More than 300,000 CNY have been invested in the prevention and mitigation of potential disaster points in residential and tourist areas. In addition, 24 hour real-time satellite monitoring is employed. Since 2015, unmanned aerial vehicles (UAVs) have begun to be used to inspect geohazards and forest fires, as well as for emergency aids and collecting information of other illegal activities. It has proven efficient and convenient for determining the potential risk and managing tourists and vehicles.



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More Information

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