

## **Design concept in establishing interpretation system for geoscience popularization in global geopark**

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A geopark is primarily set up for protecting valuable geological heritage, popularising geoscience and promoting sustainable tourism and economic development. As geoscience popularisation is an essential component, each geopark has to come up with a plan and design for its interpretation system to facilitate effective dissemination of information and messages. This study uses Yandangshan Global Geopark as an example to review the concepts of geopark interpretation. It outlines the four design principles of interpretive boards and panels which comprise consistency, visualisation, generalisation and accessibility. It also discusses in detail the establishment of indoor and outdoor interpretation such as museum, media and publication, interpretive guides, science popularization programmes and activities. The visual art design challenges of Yandangshan Global Geopark are presented particularly in identifying design theme, setting up plan, distribution of panels, uses of format, words and production. This enables practical knowledge and experiences to be shared with both national and other geoparks around the world.

Keywords: geopark, science popularization, design, Yandangshan