

APPLICATION OF INFORMATION TECHNIQUE INTEGRATION IN CHINESE POLAR EXPEDITION MANAGEMENT

Songtao Ai, Dongchen E

Wuhan University, Wuhan, China

Since 2003, the setting up of management information system based on GIS for Chinese Arctic and Antarctic research expedition(CHINARE MIS) considerably promotes the information process of Chinese polar expedition management. On the basis of CHINARE MIS, we integrate multiple interactive information technique into Chinese polar expedition management affairs, including web-GIS service, email service, short message service, electric commerce, and data mine in object-oriented database. With the application of above techniques, CHINARE MIS gradually becomes an open, information share, data exchange, and decision-support platform for Chinese Arctic and Antarctic Administration(CAA), scientific researchers and the public. This paper mainly cover the introduction of interactive information techniques, and their application instance in CHINARE MIS, which should be instructive to similar polar management information system construction.