甘肃省退牧还草工程监测与管理系统设计

李新一，韩天虎，洪 军

摘要：

退牧还草工程是国家在北方草原面积较大的省区实施的重大生态项目，根据甘肃省退牧还草工程建设和管理的需要，选择ArcGIS、ArcSDE、MapObject、Access/Oracle、ERDAS Imagine Develop Kit、Visual C++/Delphi等专业开发工具，设计开发包括信息输入子系统、工程监测和评价子系统、空间运算与分析子系统、信息检索查询子系统和信息输出子系统的退牧还草工程项目管理与监测系统。客观全面地反映工程建设进展和质量，并评价工程对区域环境和社会经济的影响及其变化趋势，为畜牧业生产、生态建设规划提供信息服务和决策依据。

关键词： 退牧还草；监测与管理；信息系统

Design of monitoring and management system of returning grazing to grassland project in Gansu

LI Xin yi，HAN Tian hu, HONG Jun

Abstract：

The project of returning grazing to grassland was an important ecological project in areas owned large areas of grassland of North China. Based on the requirement of construction and management of returning grazing to grassland project in Gansu, using the professional tools such as ArcGIS, ArcSDE, MapObject, Access/Oracle, ERDAS Imagine Develop Kit, Visual C++/Delphi and so on, a monitoring and management system was designed, which was consisting of the information input subsystem, the project monitoring and evaluating subsystem, the spatial operation and analysis subsystem, the information retrieval subsystem and information output subsystem. It could reflect the construction progress and quality of the project objectively and comprehensively, assess the influence of the project on the regional environmental and social economy and its change tendency, and provide the information and the basis for decision making for animal husbandry production and ecology construction.

Keywords: returning grazing to grassland monitoring and management information system

通讯作者：

作者简介：

作者Email:

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