

【GIS 产业化】

美国环境保护署环境及空间数据库系统 USEPA Environmental and Spatial Databases

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Abstract

In order to better manage large quantity of environmental and spatial information, US EPA has built up Spatial Data Library Systems (ESDLS), Envirofacts and Spatial Data Clearinghouse. ESDLS is a repository for the Agency's new and legacy geospatial data holdings. It enables Agency access to its geospatial data in ARC/INFO format, integrates these data in a standardized, framework. Envirofacts was developed as an enterprise data repository for Agency data systems. It is a relational database implemented in the Oracle Relational Database Management System and contains seven EPA's program system databases. Geospatial Data Clearinghouse provides a pathway to find information about geospatial data used at EPA. Although ESDLS can be accessed through several GIS applications, it is mainly for EPA internal uses. Meanwhile, Envirofacts can be accessed by the public through Internet. Spatial Data Clearinghouse currently provides public access to its metadata. However, it is promised that public can access its geospatial data via the Internet in the future.