



科研管理 2013, Vol. Issue (4) : 131-136 论文 DOI:

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基于元数据分析的地学共享数据资源现状研究

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The status quo of shared scientific data resource in earth systems science field based on metadata analysis

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摘要 对国家科学数据共享工程中地球系统科学领域数据资源的元数据信息进行抓取和处理,从不同的角度进行统计分析,展现当前地球系统科学领域已共享科学数据资源的基本情况,然后重点研究了科学数据资源的采集、生产和发布机构的特征及地域关系。结论表明:此领域科学数据的共享已具有一定的数据采集、生产和发布流程,相关机构及数据涉及的研究区域分布也形成一定的特征,但已共享科学数据资源量比较小,对科学数据的管理和共享处于初级阶段。

关键词: [元数据](#) [科学数据](#) [地球系统科学](#) [科学数据共享](#)

Abstract: By capturing and processes the metadata information on earth system science field data resources under China Scientific Data Sharing Project (SDSP), the statistic analysis on the metadata is conducted from different angles. The basic status quo of scientific data resources in earth system science field under SDSP is given. Then, the features of institutions for data collection, production, and publish as well as their geographical relations are focus on. The conclusion shows that scientific data sharing in this field has formed certain model involving data collection, production, and publish; regional distribution of data resources and relevant institutions has shaped a certain pattern. However, the quantity of shared scientific data resources in earth system science field is small, the management and sharing of

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scientific data is at its initial stage.

Keywords: [metadata](#) [scientific data](#) [earth system science](#)
[scientific data sharing](#)

Received 2011-03-09;

Fund: 中央级公益性科研院所基本科研业务非专项基金: 信息资源整合技术跟踪及应用示范(ZD2011-6-1)(2011-07-01至2012-06-30)。