

知网空间

CNKI 中国知网
www.cnki.com.cn[Home](#) | [Journal Papers](#) | [About CNKI](#) | [User Service](#) | [FAQ](#) | [Contact Us](#) | [中文](#)

Full-Text Search :

CNKI Search

[《Resources and Environment in the Yangtze Basin》2009-07](#)[Add to Favorite](#) [Get Latest Update](#)[Similar Journals](#)

OPTIMIZATION OF LAND USE STRUCTURES BASED ON ECOSYSTEM SERVICES VALUE— —A CASE STUDY IN WANZHOU,CHONGQING

- > [Gansu Nongye](#)
- > [Geomatics and Information Science of Wuhan University](#)
- > [Journal of South China University of Tropical Agriculture](#)
- > [Ocean Development and Management](#)
- > [Journal of Natural Resources](#)
- > [Chinese Fisheries Economics](#)
- > [Technology Economics](#)
- > [Stockbreeding Market](#)
- > [Journal of Agricultural Sciences](#)
- > [Southwest Horticulture](#)

LIU Zhao-shun,LI Shu-jie (College of Earth Sciences,Jilin University,Changchun 130061,China)

Based on the study on land ecosystem service value in China,the value of different land use type is modified according to the development of eco-environment and social economy in Wanzhou,Chongqing City.The modified value is taken as the ecologic economic parameter of decision making variable in grey linear programming of land use structures.And the optimization of land use structures by grey linear programming is studied by taken Wanzhou as a case.The results show that the cultivated land area in Wanzhou will slightly decreased while the construction land will slightly increased,forest land will increased dramatically,and it is difficult to improve the ecosystem service value by single increasing the wetland area.Grassland ecological restoration and increasing orchard area will improve the ecosystem service value by comprehensive treatment of geological hazards and soil loss.The ecosystem service theory value in Wanzhou is 11.89 billion yuan each year,the correction value is 10.64 billion yuan each year,and the present value is 9.65 billion yuan each year.This shows the ecological restoration has good economic efficiency.The optimization of land use structures based on ecosystem service value could satisfy the development of social economy with land demand,and realized the benefit of ecology and economy in-phase,the study supported a new way to solve the key technical problem in land use programming in China.

【Key Words】 : **ecosystem service value land use structures grey linear programming Wanzhou**

【CateGory Index】 : F301;F205

[Download\(CAJ format\)](#)[Download\(PDF format\)](#)

CAJViewer7.0 supports all the CNKI file formats; AdobeReader only supports the PDF format.

©2006 Tsinghua Tongfang Knowledge Network Technology Co., Ltd.(Beijing)(TTKN) All rights reserved

