



Home | Journal Papers | About CNKI | User Service | FAQ | Contact Us | 中文

Full-Text Search :

《China Land Science》 2008-02

[Add to Favorite](#) [Get Latest Update](#)

**Similar Journals**

- > [Journal of Changchun Normal University](#)
- > [Popular Science & Technology](#)
- > [China Land Science](#)
- > [China Population Resources and Environment](#)
- > [Agricultural Technology & Equipment](#)
- > [Journal of Guangxi Agriculture](#)
- > [Special Zone Economy](#)
- > [Ecological Economy](#)
- > [Land and Resources Information](#)
- > [Heilongjiang Science and Technology Information](#)

# The Environmental Impact Assessment of Land Use Planning Based on the Theory of Ecosystem Services Value:Taking Anyang as an Example

WU Ke-ning<sup>1</sup>,ZHAO Ke<sup>2</sup>,ZHAO Ju-shui<sup>3</sup>,CAO Zhi-hong<sup>2</sup>,ZHU Jia-wei<sup>2</sup>,LV Qiao-ling<sup>2</sup>,ZHANG Lei<sup>2</sup>(1.China University of Geosciences,Beijing 100083,China;2.Henan Agricultural University, Zhengzhou 450002,China;3.The People's Government of Xinxiang,Xinxiang 453003,China)

The purpose of this study is to contribute to the upcoming revision of land use planning through a case study of environmental impact assessment of land use planning.Method of ecosystem services value was applied to assess the environmental impact of the land use planning by calculating the ecosystem services value of actual and future land use types in Anyang.The results show that the land use planning is feasible and will have satisfactory ecological benefit after implementation.It is concluded that the introduction of the theory of ecosystem services value realizes the combination of qualitative analysis and quantitative assessment of environmental impact of land use planning.It is significant to the revision of land use planning.

【Key Words】 : **land use planning ecosystem services value EIA Anyang City**

【CateGory Index】 : F301

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

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

## 【References】

Chinese Journal Full-text Database

7 Hits

- 1 LIU Zhao-shun,LI Shu-jie (College of Earth Sciences,Jilin University,Changchun 130061,China);OPTIMIZATION OF LAND USE STRUCTURES BASED ON ECOSYSTEM SERVICES VALUE— — A CASE STUDY IN WANZHOU,CHONGQING[J];Resources and Environment in the Yangtze Basin;2009-07
- 2 FAN Shu-ping 1,CHENG Jiu-miao 1,FEI Luo-cheng 1,ZHENG Jia-wang 2(1.College of Land Resources and Tourism,Anhui Normal University,Wuhu 241000,China; 2.Highway Bureau of Chaohu City,Chaohu 238000,China);A Research into Land-use Planning Model Construction Based on Stakeholder Theory[J];Scientific and Technological Management of Land and Resources;2008-05
- 3 HUANG Yong-cai,CHEN Song-lin,DAI Fei(College of Geographical Sciences,Fujian Normal University,Fuzhou 350007,China);The Ecosystem Services Value Response to LUCC in Zhangzhou[J];Journal of Fujian Normal University(Natural Science Edition);2009-03
- 4 WANG Zhen-yi et al(Guangdong Land Institute of Surveying & Planning,Guangzhou,Guangdong 510075);Evaluation on Plan Revision Program Based on Ecosystem Service Value[J];Journal of Anhui Agricultural Sciences;2010-17
- 5 XU Hui<sup>1,2</sup>,LIN Tao<sup>1</sup>,ZHANG Yun-peng<sup>2</sup>(1.Department of Geography,College of Tourism,Shanghai Normal University,Shanghai 200234,China;2.Department of Land Resources and Tourism Sciences,Nanjing University,Nanjing 210093,China);Main Progress and Prospects of EIA of Land Use Planning Research[J];Research of Soil and Water Conservation;2009-06
- 6 WANG Ya-juan<sup>1,2</sup>,LIU Xiao-peng<sup>1</sup>,ZHAO Da-lei<sup>1</sup>(1.School of Resources and Environment,Ningxia University,Yinchuan 750021,China; 2.Patraculture Science Institute,Ningxia University,Yinchuan 750021,China);Environment Impact Assessment of Guyuan Municipal Districts Land Use Program Based on Ecosystem Services Value[J];Research of Soil and Water Conservation;2010-03

7 XIE GUANGHUI,LI LIUBIN,ZHENG TUQI,FAN HUANGHUA(1.SCHOOL OF TOURISM AND CITY MANAGEMENT,JIANGXI UNIVERSITY OF FINANCE AND ECONOMICS,NANCHANG 330032,CHINA;2.INSTITUTE OF GEOGRAPHICAL SCIENCES AND NATURAL RESOURCES RESEARCH,CAS,BEIJING 100101,CHINA;3.LAND CONSOLIDATION AND REHABILITATION CENTER OF JIANGXI PROVINCE,NANCHANG 330006,CHINA);[Environmental Impacts of Land Use Planning Based on an Ecological Security Method in Ongniud Banner,Inner Mongolia](#)[J];Resources Science;2010-01

**【Citations】**

Chinese Journal Full-text Database

8 Hits

- 1 LI Jia-lin1,2,TONG Yi-qin2,XU Ji-qin3,YANG Xiao-ping2(1.Global Change Information and Research Center,Institute of Geography and Natural Resources,CAS,Beijing 100101;2.Institute of Human Inhabiting Environment,Ningbo University,Ningbo 315211;3.College of Commercial Science,Ningbo University,Ningbo 315211,China);[Ecosystem Services and Their Economic Values on the South Coast of Hangzhouwan Bay](#)[J];Geography and Geo-Information Science;2004-06
- 2 OUYANG Zhi Yun WANG Xiao Ke MIAO Hong (Research Center for Eco Environmental Sciences,Chinese Academy of Sciences,Beijing 100080,China);[A primary study on Chinese terrestrial ecosystem services and their ecological-economic values](#)[J];ACTA ECOLOGICA SINICA;1999-05
- 3 ZHANG Zhi-Qiang\+{1,2}, XU Zhong-Min\+1, CHENG Guo-Dong\+1 (1.State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, CAS, Lanzhou 730000,China;2.Scientific Information Center for Resourc;[Valuation of ecosystem services and natural capital](#)[J];Acta Ecologica Sinica;2001-11
- 4 XIE Gao-Di,XIAO Yu,ZHEN Lin,LU Chun-Xia(Institute of Geographical Sciences and Natural Resources Research,Chinese Academy of Sciences,Beijing 100101,China);[Study on ecosystem services value of food production in China](#)[J];Chinese Journal of Eco-Agriculture;2005-03
- 5 XIE Gao di,ZHANG Yi li,LU Chun xia,ZHENG Du,CHENG Sheng kui(Institute of Geographic Sciences and Natural Resources Research,CAS,Beijing 100101,China);[Study on valuation of rangeland ecosystem services of China](#)[J];Journal of Natural Resources;2001-01
- 6 XIE Gao - di 1 ,LU Chun - xia 1 ,LENG Yun - fa 1 ,ZHENG Du 1 ,LI Shuang - cheng 2 (1.Institute of Geographic Sciences and Natural Resources Research,CAS,Beijing100101,China;2.Resources and Environment College,Peking University,Beijing100871,China);[Ecological assets valuation of the Tibetan Plateau](#)[J];Journal of Natural Resources;2003-02
- 7 ZHAO Tong-qian1,2, OUYANG Zhi-yun1, ZHENG Hua1, WANG Xiao-ke1, MIAO Hong1(1. Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085,China;2. Henan University of Technology, Jiaozuo 454000,China);[Forest ecosystem services and their valuation in China](#)[J];Journal of Natural Resources;2004-04
- 8 CAI Yu-mei 1 ,XIE Jun-qi 1 ,DU Guan-yin 2 ,JI Wen-yan 3 (1.China Land Surveying and Planning Institute,Beijing 100035,China;2.College of Environmental Sciences,Peking University,Beijing 100871,China;3.Beijing University of Technology,College of Architecture and Urban P lanning,Beijing 100022,China);[Methodology of Plan-based Environm ental Impact Assessment in Land Use Planning](#)[J];China Land Science;2005-02

**【Co-references】**

Chinese Journal Full-text Database

10 Hits

- 1 NIU Kui-bin et al(Land Arrangement Center of Hebei,Shijiazhuang,Hebei 050000);[Application of Grey Theory in Land Use Planning](#)[J];Journal of Anhui Agricultural Sciences;2007-11
- 2 TAO Yu-guo et al (Department of Tourism and Management,Xuzhou Normal University,Xuzhou,Jiangsu 221116);[Study on Regional Tourism Cooperation Based on Stakeholders Theory](#)[J];Journal of Anhui Agricultural Sciences;2007-35
- 3 LIU Yan-zhong et al(Department of Land Resource Management,China University of Geosciences,Wuhan,Hubei 430074);[Ecological Footprint and Environment Impact Assessment of General Land Use Planning](#)[J];Journal of Anhui Agricultural Sciences;2008-06
- 4 LIU Rongxia XUE An HAN Peng NI Jinren(Department of Environmental Engineering, College of Environmental Sciences, Peking University; The Key Lab of Water and Sediment Sciences, Ministry of Education, Beijing, 100871);[Optimization of Landuse Structure:Commentary of Methods](#)[J];Acta Scicntiarum Naturalum Universitatis Pekinesis;2005-04
- 5 BAI Xiao Fei,CHENG Huan Wei (Department of land resource management in China Agricultural university,Beijing 100094);[The Value of Ecosystem Service of Land Use a Case Study in Pinggu](#)[J];Journal of Beijing Agricultural College;2003-02
- 6 SUN Xiao~1,LIU Wen-kai~2 (1.School of Civil Engineering and Architecture, Central South University, Changsha 410075,China; 2.Surveying Engineering Department, Henan Polytechnic University, Jiaozuo 454000,China);[Realization and demonstration of optimum allocation of land use structure](#)[J];Journal of Pingdingshan Institute of Technology;2005-02
- 7 YU Jian-hua, GAO Zhong-gui, ZHANG Lu, PENG Bu-zhuo ( Urban and Resources Department, Nanjing University, Nanjing 210093, China );[CHANGE IN ECOSYSTEM SERVICE VALUE IN KUNSHAN](#)

- 7 University, Nanjing 210095, China); **CHANGE IN ECOSYSTEM SERVICE VALUE IN KUNSHAN CITY**[J]; Resources and Environment in the Yangtze Basin; 2005-02
- 8 WU Hou-jian~1,2, WANG Xue-lei~1, NING Long-mei~1,3, LU Yun-feng~1,2 (1. Institute of Geodesy and Geophysics, The Chinese Academy of Sciences, Wuhan 430077, China; 2. Graduate School of The Chinese Academy of Sciences, Beijing 100039, China; 3. School of Resource and Environment Sciences, Wuhan University, Wuhan 430072, China); **EFFECTS OF LAND USE CHANGE ON ECOSYSTEM SERVICES VALUE — — A CASE STUDY IN WUHAN CITY**[J]; Resources and Environment in the Yangtze Basin; 2006-02
- 9 XIE Chun-hua~1,2, WANG Ke-lin~1, CHEN Hong-song~1, ZHANG Ming-yang~1 (1. Institute of Subtropical Agriculture, Changsha 410125, China; 2. The Graduate School of The Chinese Academy of Sciences, Beijing 100039, China); **EFFECTS OF LAND USE CHANGE ON THE ECOSYSTEM SERVICES VALUE IN THE DONGTING LAKE AREA**[J]; Resources and Environment in the Yangtze Basin; 2006-02
- 10 ZHANG Jia-hui, HUANG Quan-fu, WANG Li (Resource & Environment College of South-West Normal University, Chongqing, 400715, China); **The Utilization of the Optimum Linear Plan Method in the Masterplan of Land Utilization**[J]; Journal of Chongqing Teachers College (Natural Science Edition); 2001-01

## 【Secondary References】

Chinese Journal Full-text Database

4 Hits

- 1 GE Xing-yan et al (College of Public Administration, Hohai University, Nanjing, Jiangsu 210098); **Research Status of Optimization Model of Regional Land-use Structure**[J]; Journal of Anhui Agricultural Sciences; 2010-07
- 2 LI Chang-xing1, Hu Xiao-fei 2,3, XIAN Li-ping2, HU Yue-ming2, TANG Xian3 (1. Guangdong Youyuan Land Information Technology Co.Ltd, Guangzhou 510642, China; 2. College of Forestry, Central South Forestry and Technology University, Changsha 412004, China; 3. College of Informatics, South China Agricultural University, Guangzhou 510642, China); **Structure optimization strategy of construction land based on linear programming in Dianbai county**[J]; Guangdong Agricultural Sciences; 2010-07
- 3 ZHANG Shao-wei1, ZHU Qing1, GU Jie2 (1. School of Geography, Beijing Normal University, Beijing 100875, China; 2. School of geography, South China Normal University, Guangzhou 510631, Guangdong, China); **Responses of Regional Ecological Service Value to Land Use Change — — A Case Study of Qinhuangdao City**[J]; Journal of Shanxi Normal University (Natural Science Edition); 2010-01
- 4 HU Jing CHEN Yin-rong MEI Yun (Land Management College, Huazhong Agricultural University, Wuhan Hubei 430070, China); **Institutional Innovation Mechanism of Land Use Planning in China**[J]; China Population, Resources and Environment; 2010-06

## 【Secondary Citations】

Chinese Journal Full-text Database

10 Hits

- 1 Cheng Kewu; Cui Guofa; Wang Jianzhong; Li Junqing. Journal of Beijing Forestry University (2000)22(4)66~71 [Ch, 10 ref.] Research Center of Nature Preserve, Beijing For. Univ., 100083, P.R. China.; **Evaluation on the economic value of the forest biodiversity in Labagoumen forest region.**[J]; JOURNAL OF BEIJING FORESTRY UNIVERSITY; 2000-04
- 2 CAI Yumei, ZHENG Weiyuan, JIA Kejing, YANG Feng (Department of Land use Planning, China Land Surveying and Planning Institute, Beijing 100029); **Preliminary Research on Environment Impact Assessment of Land Use Planning**[J]; Progress In Geography; 2003-06
- 3 PENG Wen ying 1,2, ZHANG Ke li 1, JIANG Zhong shan 3, KONG Ya ping 1 (1. Department of Resources and Environment Sciences, Beijing Normal University; 2. Neijiang Normal College, Neijiang, Sichuan 641112; 3. Institute of Soil and Water Conserve; **Runoff and Sediment Changes Characteristics after Returning Cropland to Grass on the Loess Plateau**[J]; Scientia Geographica Sinica; 2002-04
- 4 SHI Pei jun 1, CHEN Jin 2, PAN Yao zhong 1 (1. Institute of Resources Science, Beijing Normal University, Opening Laboratory of Environmental Change and Natural Disaster, Ministry of State Education of China, Beijing 100875; 2. Institute of Env; **Landuse Change Mechanism in Shenzhen City**[J]; ACTA GEOGRAPHICA SINICA; 2000-02
- 5 ZONG Yue guang, CHEN Hong chun, GUO Rui hua, XU Hong yan (The Department of Resources and Environmental Science, Beijing Normal University, Beijing 100875, China); **The systematic analysis on value of regional ecosystem services — — A case study of Lingwu City**[J]; GEOGRAPHICAL RESEARCH; 2000-02
- 6 LI Tuan-sheng (College of Earth Science and Land & Resources, Chang'an University, Xi'an 710054, China); **Analysis on dynamic change of land use in Shaanxi Province**[J]; Geographical Research; 2004-02
- 7 ZHAO Han-bing~(1), LI Jia-lin~(1,2) (1 College of Geographical Science, Nanjing Normal University, Nanjing 210097, China; 2 Institute of Human Inhabiting Environment, Ningbo University, Ningbo 315211, China); **THE METHOD TO IMPROVE THE IMAGE CLASSIFICATION PRECISION USING MULTI-DIMENSIONS INFORMATION IN THE SEA COAST REGION**[J]; Marine Geology & Quaternary Geology; 2004-02
- 8 LI Jia-Lin 1,2 ZHANG Ren-Shun 1 ( 1 Institute of Ocean and Coastal Wetland, Nanjing Normal University, Nanjing, 210097) ( 2 Faculty of Architectural, Civil Engineering and Environment, Ningbo University, Ningbo, 315211); **FUNCTION OF Spartina alterniflora SALT MARSH ECOSYSTEM SERVICES AND EVALUATION OF THEIR ECOLOGICAL AND ECONOMIC VALUE ---A CASE OF JIANGSU**

PROVINCE[J];Marine Sciences;2003-10

9 Huang Qianru 1 He Xiangyi 1 Zhou Muqing 1 Cai Xunzhi 2 Hu Jianye 2 (1 Red Soil Research Institute of Jiangxi Province, Jinxian 331717) (2 Foreign Capital Office of Jiangxi Agricultural Department, Nanchang 330002) ;Preliminary Observation on Climatic Effect of Ecosystems of Fruit Trees and Crops in Red Soil of Hilly Region[J];ACTA AGRICULTURAE JIANGXI;1998-02

10 Xiang Wenhua Tian Dalun Yan Wende Kang Wenxing Fang Haibo(Research Section of Ecology, CSFU Zhuzhou412006);NUTRIENT ELEMENTS DISTRIBUTION AND CYCLING IN THE SECOND ROTATION CHINESE FIR PLANTATION AT FAST-GROWING STAGE[J];Scientia Silvae Sinicae;2002-02

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

