



[Home](#) | [Journal Papers](#) | [About CNKI](#) | [User Service](#) | [FAQ](#) | [Contact Us](#) | [中文](#)

 Full-Text Search :  
[《Acta Agriculturae Jiangxi》2010-06](#)
[Add to Favorite](#) [Get Latest Update](#)

# Economic Evaluation of Ecosystem Service Based on Changes of Land Use— — A Case Study of Quannan County, Jiangxi Province

WEN Bo, XIA Min (College of Public Management, Nanjing Agricultural University, Nanjing 210095, China)

The objective of this paper is to analyze the changes of land use and to evaluate the ecosystem service value (ESV) of Quannan county in Jiangxi province based on ESV computing formula and ESV coefficients. The following results and conclusions were obtained: the changes of land use mainly resulted from the implementation of returning cultivated land to forestland and the adjustment of agricultural structure, and the ecosystem service of forestland had the greatest contribution to the increasing of total ESV of this county.

 【Key Words】 : **Land use ecosystem service value Quannan county**

【Fund】 : 中国科学院知识创新工程重要方向项目(KSCX2-YW-N-46-02); 江苏省国土资源厅科技项目2009年度重点项目(2009032)

【CateGory Index】 : F301


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

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

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

## Similar Journals

- > Economic Geography
- > System Sciences and Comprehensive Studies in Agriculture
- > Scientific and Technological Management of Land and Resources
- > China Mining Magazine
- > Resources Science
- > Hlj Foreign Economic Relations & Trade
- > Journal of Henan University(Natural Science)
- > Acta Agriculturae Jiangxi
- > Ecological Economy
- > Beijing Agriculture

## [Citations]

Chinese Journal Full-text Database

6 Hits

- 1 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
- 2 SU Hai-xia, MA Li, GUO Wan-cui (College of Resources, Environment & Tourism, Capital Normal University, Beijing 100037, China); **Effects of land use change on values of ecosystem services of Guyuan County**[J]; Agricultural Research in the Arid Areas; 2008-04
- 3 Duan Ruijuan~(1,2), Hao Jinmin~(1\*), Zhang Jiexia~1(1. College of Resource and Environmental Sciences, China Agricultural University, Beijing 100094, China; 2. College of Economy and Management, Ningxia University, Yinchuan 750021, China); **Land utilization and changes on eco-service value in different locations in Beijing**[J]; Transactions of the Chinese Society of Agricultural Engineering; 2006-09
- 4 WANG Jun-1, CUI Bao-shan-1, Lü Yuan-2, SUN Qiu-zhi-3(1. School of Environment, Beijing Normal University, Beijing 100875; 2. Institute of Mountain Hazards and Environment, Chinese Academy of Sciences and Ministry of Water Resources, Chengdu 610041; 3. College of Earth Science, Jilin University, Changchun 130026); **Application of Ecosystem Services Value in Land Use Program**[J]; Journal of Soil and Water Conservation; 2006-01
- 5 ZHOU Fei1, CHEN Shi-yin1, 2, ZHONG Lai-yuan1, LIU Min-chao1(1 College of Agriculture, Guangdong Ocean University, Zhanjiang, Guangdong 524088, China; 2 College of Resource and Environmental Science, Wuhan University, Wuhan 430079, China); **On Changes of Regional Land Use and Ecosystem Services Value— — A Case Study of Zhanjiang City, Guangdong Province**[J]; Soils; 2008-05
- 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, Beijing 100101, China; 2. Resources and Environment College, Peking University, Beijing 100871, China); **Ecological assets valuation of the Tibetan Plateau**[J]; Journal of Natural Resources; 2003-02

## [Co-citations]

Chinese Journal Full-text Database

10 Hits

- 1 LI Guang- yong et al (Department of Land Resources Management, China Agricultural University, Beijing 100094); **Study on Ecological De-farming Standard of the Dongping Lake Old Lake District**[J]; Journal of Anhui Agricultural Sciences; 2008-02
- 2 SU Xian-long et al (Economics and Management College of Northwest Scientific and Technological University, Yangling, Shaanxi 712100); **Analysis on the Environmental Cost of Farmland Soil Pollution in China**[J]; Journal of Anhui Agricultural Sciences; 2008-10
- 3 SHEN Hai-jian et al (Surveying and Mapping Research Bureau of Hunan Province, Changsha, Hunan 410007); **Effects of Land Use Change on Ecosystem Services Value Based on RS and GIS Technology**[J]; Journal of Anhui Agricultural Sciences; 2008-11
- 4 LUO Jian-mei et al (College of Resources, Shijiazhuang University of Economics, Shijiazhuang, Hebei 050031); **Evaluation of Ecological Economy Effect and Land Use Change in the Farming-Pasture Zigzag Zone of Hebei Province**[J]; Journal of Anhui Agricultural Sciences; 2008-25
- 5 HU Wei (School of Geographic and Oceanographic Science, Nanjing University, Nanjing Jiangsu 210093); **Study on the Economic Value Change of Cropland and Water Ecosystem Services Function**[J]; Journal of Anhui Agricultural Sciences; 2009-02
- 6 HUO Tian-yang et al (Key Laboratory for Silviculture and Conservation, Ministry of Education, Institute of Turfgrass Science, Beijing Forestry University, Beijing 100083); **Effects of Land-Using Change of Shiyan City on Ecosystem Services Value**[J]; Journal of Anhui Agricultural Sciences; 2009-12
- 7 YU Zhi-qiang et al (College of Geosciences and Geodetic Engineering, East China Institute of Technology, Fuzhou Jiangxi 344000); **Relationship between Regional Land Use Change and Service Value Change of Ecosystem**[J]; Journal of Anhui Agricultural Sciences; 2009-17

- LIU Ju-mei et al(College of Resources and Environmental Sciences,Lanzhou University,Lanzhou,Gansu 730000);**Study on the Ecological Environment Changes and Farmland Loss Problem in the Construction of Industrial Park**[J];Journal of Anhui Agricultural Sciences;2009-19
- 8
- CHEN Li-gen,LIU Fa-wei,CHAI Tao-xiu(College of Public Management,Nanjing Agricultural University,Nanjing 210095);**Dynamic change of land ecosystem service value in fast developing regions — a case study of Yizhen city**[J];Journal of Anhui Agricultural University;2008-03
- 9
- ZHANG Jian(School of Geographic and Oceanographic Sciences,Nanjing University 210093);**Evaluation on eco-environmental effects of land use change in east Anhui Province**[J];Journal of Anhui Agricultural University;2008-03
- 10

China Proceedings of conference Full-text Database

7 Hits

- Su Chao-yang Miao Chang-hong (Research Center of Yellow River Civilization and Sustainable Development and College of Environment and Planning,Henan University,Kaifeng 475004,China);**Based on the Value of Ecosystem Services of Land Use Planning assessment in Kaifeng**[A];[C];2008
- 1
- Shen Qiang-1 Jiang Zhi-de-1 Wang Ji-jun-2 (1.Economy and Management College of Northwest A&F University,2.Institute of Soil and Water Conservation, Chinese Academy of Science and Ministry of Water Resources,Shaanxi Yangling 712100);**Comparison of ecosystem services value of Agricultural land resources under different retirement of cultivated situation**[A];[C];2008
- 2
- Dai Bo (Institute of Development Studies, Yunnan University, Kunming, Yunnan, 650091);**Research Progress on Ecological Assets Valuation**[A];[C];2003
- 3
- TIAN Zhi-hui-(1,2)ZHENG Da-wei-1 (1.College of Resource and Environment,China Agricultural University,Beijing 100094,China; 2.Department of Forestry,Beijing Agricultural College);**Evaluation of Ecosystem Service Value in Mountainous Areas of Beijing**[A];[C];2006
- 4
- Zhang Fengtai-1 Su Weici-(1,2) Zhao Weiquan-1 (1.Department of Geography,Chongqing Normal University,Chongqing,400047,China 2.Research Center of Environment and Development of Karst Resources,Guiyang,Guizhou,550001,China);**A Research on the Service Value Change in the Urban Ecosystem of Chongqing Based on the LUCC**[A];[C];2009
- 5
- MA Ai-hui ZHANG An-lu (College of Land Management, Hua zhong Agricultural University ,Wuhan 430070,China);**Cross-regional land eco-compensation of two types of social construction**[A];[C];2009
- 6
- Ge Shao-yun (Northwest University for Nationalities,Lan zhou 730030,China);**Research on the Drainage Environment enduring Ecological Compensation Mechanism In Ethnic Area — Take the ecological protection and construction projects of Yellow River important water supply ecological functions area of Gannan Tibetan Autonomous Prefect**[A];[C];2009
- 7

### 【Secondary Citations】

Chinese Journal Full-text Database

10 Hits

- Huang Zhongchen (Dep.of Urban Construction Engineering,Beijing 100044);**Research and Analysis of Water Resource in Beijing**[J];Journal of Beijing Institute of Civil Engineering and Architecture;2003-04
- 1
- 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
- 2
- Wang Xiulan Bao Yuhai (Institute of Remote Sensing Application, Chines Academy of Sciences,Beijing 100101);**STUDY ON THE METHODS OF LAND USE DYNAMIC CHANGE RESEARCH**[J];PROGRESS IN GEOGRAPHY;1999-01
- 3
- 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
- 4
- ZHAO Jing-zhu, DUAN Guang ming, REN Zi ping, DENG Hong bing, WU Gang (Key Laboratory of System Ecology, Research Center for Eco Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China);**Study on the Relative Economic Value of Eco-Environmental Contributions**[J];Environmental Science;2004-05
- 5
- TIAN Gang,CAI Bo feng (Beijing Municipal Research Academy of Environmental Protection,Beijing 100037,China);**Evaluation of the Ecosystem Services of Artificial Landscapes in Beijing**[J];Environmental Science;2004-05
- 6
- Zhang Xinmin-1, Sun Xinzhang-1, Hu Lin-2, Bian Xiujun-3, Zhao Bingxiang-2 (1.Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China;2.College of Resources and Environment, China Agricultural University, Beijing 100094, China;3.College of Agronomy, Hebei Agricultural University, Baoding 071001, China);**Evapotranspiration and reasonable irrigation amount of the common turfgrasses in Beijing**[J];Transactions of The Chinese Society of Agricultural Engineering;2004-06
- 7
- 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
- 8
- 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 Resource; **Valuation of ecosystem services and natural capital** [J];Acta Ecologica Sinica;2001-11
- 9
- YU Xin-Xiao+1,QIN Yong-Sheng+2,CHEN Li-Hua+1,LIU Song 2 (1.Soil and Water Conservation College of Beijing Forestry University,Beijing 100083,China;2.Beijing Forestry Bureau,Beijing 100029,China). Acta Ecologica Sinica,2002,22(5):783~786.;**The Forest Ecosystem Services and Their Valuation of Beijing Mountain Areas**[J];Acta Ecologica Sinica;2002-05
- 10

