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# Assessment of Forest Ecosystem Services Value in China

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Based on data of the seventh national investigation of forest resource and multiple-years consecutive observation by the long-term Ecological Research Station affiliated to the Chinese Forest Ecosystem Research Network(CFERN),the forest ecosystem services in China was evaluated by using the method of 《Specification for assessment of forest ecosystem service in China》(LY/T 1721—2008),which was published by State Forestry Administration in 2008.The results showed that the total value of the forest ecosystem services in China was 100 147.61 × 108yuan.a-1 in 2009,and the value of the service functions of forest ecosystem was in an order of water conservation biodiversity protection C fixation and O2 generation soil conservation and fertility maintenance air purification nutrient accumulation.This research also assessed the value of forest ecosystem services in different provinces in China.The forests in southwest,northeast and south of China had relatively higher total valuation of forest ecosystem services.The forest ecosystem services in north China generally had higher total valuation than in the south.The value per unit area in the southern coastal areas was more than in the northwest and central region.This research could provide the scientific basis for the policy of sustainable development and the protection of forest resources.

【Key Words】 : **forest ecosystem services valuation regional evaluation China**

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- 2 Wang Bing Ma Xiangqian Guo Hao Wang Yan Leng Ling(Key Laboratory of Forest Ecological Environment of State Forestry Administration,Research Institute of Forest Ecology,Environment and Protection,CAF Beijing 100091);Evaluation of the Chinese Fir Forest Ecosystem Services Value[J];Scientia Silvae Sinicae;2009-04
- 3 YU Xin-Xiao-1, LU Shao-Wei-(1\*), JIN Fang-2, CHEN Li-Hua-1, RAO Liang-Yi-1, LU Gui-Qiao-3 (1.Key Laboratory of Soil and Water Conservation and Desertification Combating, Ministry of Education, Beijing 100083,China;2. Department of Science and Technology, State Forestry Administration, Beijing 100714, China; 3. Agricultural University Hebei, Baoding 071000, China);The assessment of the forest ecosystem services evaluation in China[J];Acta Ecologica Sinica;2005-08
- 4 WU Ya-Qiong1, LIU Guo-Hua1., FU Bo-Jie1, GUO Yu-Hua21 State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, CAS, Beijing 100085, China2 Environmental Monitoring Station (Research Institute for Environmental Sciences), Bayannaer, Inner Mongolia 015000, China;Soil CO<sub>2</sub> efflux of forest ecosystem in China: distribution and controlling factors[J];Acta Ecologica Sinica;2007-05
- 5 Wu Shuirong1 Gu Yali2(1 Research Institute of Forestry Policy and Information,Chinese Academy of Forestry,Beijing 100091,China;2 Division of International Cooperation,Chinese Academy of Forestry,Beijing 100091,China);Practice of International Forest Ecological Compensation and Effect Evaluation[J];World Forestry Research;2009-04
- 6 FENG Yanfen1, 2, LIU Yihua2, WANG Fang2, YANG Muzhuang2(1. Land Research Center, Sun Yat-sen University, Guangzhou 510275, China;2. School of Geographical Science, Guangzhou University, Guangzhou 510006, China);Progress of Ecological Compensation Practice in China[J];Ecological Economy;2009-08
- 7 JIN Fang,LU Shaowei,YU Xinxiao,RAO Liangyi,NIU Jianzhi,XIE Yuanyuan,ZHAG Zhenming(Key Laboratory of Soil and Water Conservation and Desertification Combating of Education Ministry,Beijing Forestry University,Beijing 100083,China);Forest ecosystem service and its evaluation in China[J];Chinese Journal of Applied Ecology;2005-08
- 8 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
- 9 LI Wen-hua1,ZHANG Biao1,2,XIE Gao-di1(1.Institute of Geographic Sciences and Natural Resources Research,CAS,Beijing 100101,China;2.Graduate University of Chinese Academy of Sciences,Beijing 100049,China);Research on Ecosystem Services in China:Progress and Perspectives[J];Journal of Natural Resources;2009-01
- 10 XIE Gao-Di XIAO Yu and LU Chun\_Xia (Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China);STUDY ON ECOSYSTEM SERVICES:PROGRESS, LIMITATION AND BASIC PARADIGM[J];Journal of Plant Ecology;2006-02

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- Beijing, China);**PROGRESS OF RESEARCH INTO CARBON FIXATION AND STORAGE OF FOREST ECOSYSTEMS**[J];Journal of Beijing Normal University(Natural Science);2005-02
- 2 Zhang Xianquan(East Chi na Normal University, Shanghai 200062, P. R. China); Wang Wenjie, Zu Yuangang(Northeast Forestry University); Zhang Wanli(East China Normal University);**The Difference between Different Components of Soil Respiration in Several Types of Forests in Northeastern China**[J];Journal of Northeast Forestry University;2005-02
- 3 Zhang Yongli, Yang Fengwei(Department of Science and Technology, State Forestry Administration, Beijing 100714, P.R.China); Lu Shaowei(Beijing Forestry University);**Estimation on the Economic Values of the Forest Ecosystem Service Function in Qinghai Province**[J];Journal of Northeast Forestry University;2007-11
- 4 SHI Jun1, LIU Jiyuan1, GAO Zhiqiang1, CUI Linli2(1. Institute of Geographical Science and Natural Resources Research; 2. Institute of Remote Sensing Application, Beijing, 100101);**Research Advances of the Influence of Afforestation on Terrestrial Carbon Sink**[J];Progress In Geography;2004-02
- 5 ZHANG Yili1, ZHANG Wei1,3, DING MingJun2,3(1. Institute of Geographical Sciences and Natural Resources Research, CAS, Beijing 100101 China; 2. Northwest Institute of Plateau Biology, CAS, Xi'ning 810008 China; 3. Graduate School of the Chinese Academy of Sciences, Beijing 100039 China);**The Difference of Computing Carbon Stocks Caused by Land Use/Cover Classifications—A Case Studied in Hainan Province**[J];Progress In Geography;2004-06
- 6 Wang Shaoqiang Chen Yufeng (The State Key Laboratory of Resources and Environment Information System, Institute of Geography, Chinese Academy of Sciences, Beijing 100101);**THE STUDY AND TRENDS ON TERRESTRIAL CARBON CYCLE MODELS**[J];PROGRESS IN GEOGRAPHY;1998-04
- 7 ZHAO Min, ZHOU Guang-Sheng (Laboratory of Quantitative Vegetation Ecology, Institute of Botany, Chinese Academy of Sciences, Beijing 100093);**Carbon Storage of Forest Vegetation and Its Relationship with Climatic Factors**[J];Scientia Geographica Sinica;2004-01
- 8 XU Zhong-min, ZHANG Zhi-qiang, CHENG Guo-dong, SU Zhi-yong, LU An-xin, LIN Qing, ZHANG Hai-tao (State Key Laboratory of Frozen Soil Engineering, CAREERI, CAS, Lanzhou 730000, China; State Key Laboratory of Arid Agroecology, Lanzhou University, Lanzhou 730);**Measuring the Total Economic Value of Restoring Ejina Banner's Ecosystem Services**[J];Acta Geographica Sinica;2002-01
- 9 TAO Bo, GE Quan-sheng, LI Ke-rang, SHAO Xue-mei (Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China);**Progress in the studies on carbon cycle in terrestrial ecosystem**[J];Geographical Research;2001-05
- 10 LIU Hua, LEI Rui de (College of Resource and Environment, Northwest Sci Tech University of Agriculture and Forestry, Yangling, Shaanxi 712100, China);**Research Methods and Advances of Carbon Storage and Balance in Forest Ecosystems of China**[J];Acta Botanica Boreali-occidentalia Sinica;2005-04

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