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Expert Knowledge Based Valuation Method of Ecosystem Services in China

XIE Gao-di,ZHEN Lin,LU Chun-xia,XIAO Yu,CHEN Cao(Institute of Geographic Sciences and Natural Resources Research,CAS,Beijing 100101,China)

Valuation of global ecosystem services by R Costanza(1997)has attracted attention of the Chinese ecological researchers over the years.And many Chinese scientists have been using the methods to value the ecosystem services for forest,grassland and farmland ecosystems.However,it has been turned out that there are several shortcomings in direct adaptation of the method s,for instance,some ecosystem services have been insufficiently valued or even ignored via using Costanza's method.To fill t his gap,we have,on the basis of Costanza's method,developed a new method or 'unit value' based method for assessment of eco system services.Expert interviews with structured questionnaire were contacted in 2002 and 2007 respectively,and altogether 7 00 Chinese ecologists were involved in the interviews for testing the method.It has been found that the values of ecosystem ser vices from expert knowledge based unit value method and biomass based method are comparative.Therefore,expert knowledge based assessment of ecosystem services could be used as a method for assessing ecosystem services with known land use areas ,and a good result could be generated within a short period of time.However,for scientifically sound and concrete results,the spa tial disparity of ecosystem services should be taken into account.

【Key Words】 : **ecosystem service valuation equivalent value**

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