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Research on response of ecosystem to changes in land use in rapid urbanization areas—a case study of Zhejiang Province

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Land use change and ecosystem services value change were studied based on the data of land use survey from 1996 to 2005 in Zhejiang Province. Economic niche, integrated index of land use degree and ecosystem services value were employed. The results show (1)Driving forces of cultivated land conservation in Zhejiang Province increased yearly, land use developed as a whole toward high intensity and extent, but the value of ecosystem services decreased.(2) The ecosystem services value in Zhejiang Province was negatively correlated with economic niche and integrated index of land degree. (3)In the course of urbanization, controlling the extension of construction land, improving the ecological compensation of cultivated land conservation, and reducing economic niche of land use could availably restrain decrease of cultivated land, and advance the growth of 'economy' and 'ecology' harmoniously.

【Key Words】 : **land use change ecosystem service values economic niche**

【Fund】 : 浙江省政府重大委托问题浙江省土地资源保障和集约利用关键问题研究"资助项目(2005C10001)

【CateGory Index】 : F293.2



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