## 首 页 \｜研究所介绍 \｜机构设置 \｜科研队伍 \｜科学研究 \｜合作交流 \｜研究生教育 \｜创新文化 \｜所图书馆

今天是：2008年4月1日 星期二
站内搜索
$\nabla$
－執
地理学报（英文版）2005年第15卷第4期
Understanding cultivated land dynamics and its driving forces in northern China during 1983－2001

作者：HE Chunyang LI Jinggang
Based on the long－term serial NOAA／NDVI dataset during 1983－1999 and SPOT／VGT dataset in 2001，the land use／cover cha nge information in the 13 provinces of northern China was extracted based on the analysis of the cultivated landscap e characteristics at first，then the effects of human activities on cultivated land process were explored by GIS and the driving forces of cultivated land change were investigated．The conclusions can be drawn as follows：（1）The cons tant increase of weak ecological function land as desert and cultivated land and the decrease of the ecological funct ion land of forest and shrub were the main characteristics of the land use／cover change in the 13 provinces from 198 3 to 1999，which showed the effects on the ecological adjustment function．However，such situations were changed to s ome extent in the 2000 s because of the ecoconstruction policy of the government．（2）From 1983 to 2001，the Barycent er of cultivated land tended to move from northeast to southwest with the topography and transportation situations be ing the main influences on the cultivated land distribution．It is found that the cultivated land use intensity decre ased noticably with the increase of distance from the main communcation arteries．（3）The improvement of the people＇ s living standard is closely related with the cultivated land change．The structural adjustment in the agricultural l and caused by economic development and the improvement of the people＇s living standard is an important factor affecti ng the cultivated land change in northern China from 1983 to 2001.

Paper（PDF）
关键词：cultivated land change；spatial process；driving forces；northern China doi：10．1360／gs050401

