# [***Peking University Reports Findings in Science (Biodiversity loss through cropland displacement for urban expansion in China)***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:69J9-GYB1-JBSP-13D3-00000-00&context=1516831)

Daily China News

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**Section:** SCIENCE

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**Body**

2023 NOV 03 (NewsRx) -- By a News Reporter-Staff News Editor at Daily China News -- New research on Science is the subject of a report. According to news reporting from Beijing, People's Republic of China, by NewsRx journalists, research stated, "As a result of rapid economic development, urban expansion reduced the cropland in China. To secure the food supply, cropland displacement to maintain the quantity and quality of cropland has been implemented."

The news correspondents obtained a quote from the research from Peking University, "Here, we quantified the ***biodiversity*** ***losses*** due to cropland displacement resulting from urban expansion from a telecoupling perspective in China from 1980 to 2020. A comprehensive multimodel assessment demonstrated that the indirect ***biodiversity*** ***losses*** due to cropland displacement resulting from urban expansion were approximately 2 to 3 times higher than its direct ***biodiversity*** ***losses***, at a total ***loss*** of approximately 0.6 % to 1.0 %, as indicated by three ***biodiversity*** indicators. Displaced cropland with a higher ***biodiversity*** cost but lower cropland productivity is the main reason for the excessive indirect ***losses*** and suggests that socioecological processes may be detrimental to the synergistic benefits of the UN Sustainable Development Goal (SDG) for food security and terrestrial ***biodiversity***."

According to the news reporters, the research concluded: "This study also identified source-sink hotspots for indirect ***biodiversity*** ***losses***, which can contribute to improving ***biodiversity*** conservation, optimizing the spatial distribution of cropland and thus enhancing socioecological system sustainability."

This research has been peer-reviewed.

For more information on this research see: ***Biodiversity*** ***loss*** through cropland displacement for urban expansion in China. The Science of The Total Environment, 2023:167988. The Science of The Total Environment can be contacted at: Elsevier, Radarweg 29, 1043 Nx Amsterdam, Netherlands.

Our news journalists report that additional information may be obtained by contacting Fufu Li, College of Urban and Environmental Sciences, MOE Laboratory for Earth Surface Processes and Sino-French Institute for Earth System Science, Peking University, Yiheyuan Road, Beijing 100871, People's Republic of China. Additional authors for this research include Shaohua Wu, Hongyan Liu and Daohao Yan.

Publisher contact information for the journal The Science of The Total Environment is: Elsevier, Radarweg 29, 1043 Nx Amsterdam, Netherlands.

Keywords for this news article include: Beijing, People's Republic of China, Asia, Asia, ***Biodiversity***, China, Ecology, Science.

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