



This is the print version of the [Skeptical Science](#) article '[It's land use](#)', which can be found at <http://sks.to/landuse>.

The minor role of land use in global warming

What The Science Says:

Correlations between warming and economic activity are often unreliable. They don't take into account local forcing agents such as tropospheric ozone or black carbon. Correlations are likely over-estimated since grid boxes in both economic and climate data are not independent. Lastly, there is significant independent evidence for warming in the oceans, snow cover and sea ice extent changes.

Climate Myth: It's land use

"Land-use modifications for urbanization and agriculture have affected climate change data more than previously thought, according to new research by a University of Guelph professor. In a paper published online this week in the *Journal of Geophysical Research-Atmosphere*, economics professor Ross McKittrick says the resulting discrepancies may be leading to an overstatement of the role of greenhouse gases in the atmosphere. In fact, the study concludes that skewed data could account for as much as half the post-1980 warming trend over land." ([University of Guelph](#))

See [Spurious correlations between recent warming and indices of local economic activity \(Schmidt 2009\)](#) for more info.



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Skeptical Science explains the science of global warming and examines climate misinformation through the lens of peer-reviewed research. The website won the Australian Museum 2011 Eureka Prize for the Advancement of Climate Change Knowledge. Members of the Skeptical Science team have authored peer-reviewed papers, a [college textbook on climate change](#) and the book [Climate Change Denial: Heads in the Sand](#). Skeptical Science content has been used in university courses, textbooks, government reports on climate change, television documentaries and numerous books.



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