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Climate Change Could Hurt Global Economy: Study Finds Link Between Global Warming And Productivity

By [Katherine Derla](#), Tech Times | October 22, 6:51 AM

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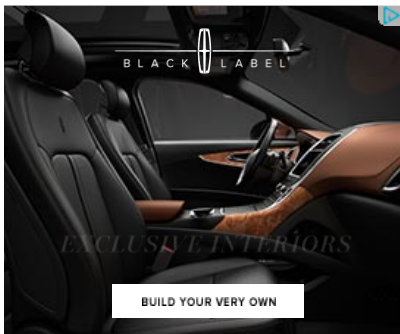
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A new study from Stanford University and UC Berkeley found that global warming can slash worldwide income by 23 percent by the century's end. Emerging nations in the tropics and subtropics are at the forefront of the economic hit as climate changes.

(Photo : Thomas Breher | Pixabay)



A new study threw gas into the flames of climate change debates. Three economists from Stanford University and the University of California (UC) in Berkeley looked into the World Bank data covering 166 countries from years 1960 to 2010.

The researchers tracked the relationship between temperature change and productivity levels. The trio identified the best average yearly temperature that matches top productivity levels: 13 degrees Celsius. This is the temperature of San Francisco's bay area. They found that the world's largest economies share an average temperature of 13 degrees Celsius, which could be the best temperature where people are effective in 'producing stuff'.

But no thanks to climate change, all that could change. The rise or fall of average temperature in a country directly affects gross domestic product (GDP) growth. For instance, if the average temperature in the United States rises by 4 degrees Celsius, that could lead to the loss of 1 percent point of GDP growth. The numbers could be small now, but an annual 4 degree Celsius increase could lead to accumulating productivity loss by the year 2100.

The researchers found that if the climate change persists, it could make the world poorer by 23 percent towards the century's end. In general, 77 percent of countries worldwide will experience per capita income decrease.

"People have long been worried that the effects on people in poor countries would be really negative and we confirmed that. One of the main findings is that rich countries are not isolated. Climate change could reshape the global economy. Rich companies are part of the story and could be impacted in important ways," said study co-author Marshall Burke, Stanford University's department of earth system

science assistant professor.

The economists listed possible factors that could contribute to the climate change-driven economy change:

- Human health worsens along with rising temperatures. More deaths caused by diseases like malaria and dengue in emerging nations.
- Human conflicts are more prevalent in higher temperatures. Social conflicts affect economic activities.
- Productivity drops as temperature rises.
- People tend to commit more mistakes in hotter temperatures.

The researchers [projected](#) that countries like Canada, Russia, and countries in northern and central Europe would

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have an increase in productivity due to the warming weather. However, the length of such productivity cannot be verified if climate change continues to take its toll. Emerging countries in the tropics and subtropics would be hit the heaviest as global warming rages on. This slow but consistent phenomenon could lead to the more distinct divide of rich and poor nations.

The researchers published their findings in the *Nature* journal on Oct. 21.

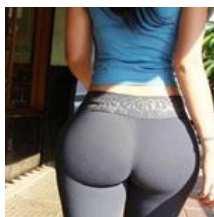
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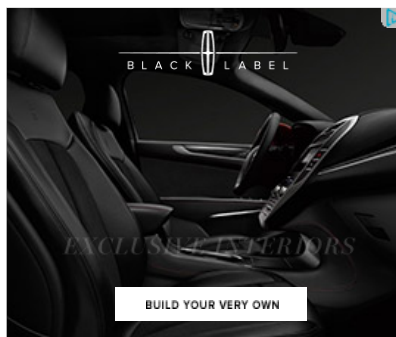
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Nuclear is the only one that can make base load power and not make CO2. Nuclear is by far the safest, even safer than wind or solar. We must go 100% nuclear right now to avoid our own extinction.

List of papers predicting worldwide famine due to Global Warming between 2022 and 2040. We humans will probably be extinct by 2040 if we don't go 100% nuclear right now.

Study Predicts Impending Collapse Of Industrial Civilization

<http://upriser.com/posts/study...>

Scientific Model Indicates Climate Change-Induced Collapse of Civilization by 2040

<http://planetsave.com/2015/06/...>

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"Accuracy Check on Predictions of Near-Term Collapse" by Barton Paul Levenson

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Yet history shows that mankind suffers during cold period and flourishes in warm periods.

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Asteroid Miner · a day ago

We are headed for a human population crash from 7.5 Billion to 70 thousand or zero people within 13 years + or- 6 years. We don't have time for research or fooling around with renewables. Causes of a population crash:

1. Global Warming [GW] will cause civilization to collapse within 13 years give or take 6 years because GW will cause the rain to move and the rain move will force agriculture to collapse. Famine has been the cause of many dozens of previous population crashes.

2. Reference "Overshoot" by William Catton, 1980 and "Bottleneck: Humanity's Impending Impasse" by William Catton, 2009. Catton says that we humans are about to experience a population crash. Population biologist William Catton says that the US is the most overcrowded country. Collapse from overpopulation could happen any time now.

The Earth has 4.5 Billion too many people. An overshoot in population requires an equal undershoot. We overshoot by 4.5 billion, and the consequence is an undershoot by 4.5 billion. The carrying capacity is 3 billion. 3 billion minus 4.5 billion is zero because there can't be minus 1.5 billion people. This can happen even if there is enough food.

Catton tells the story of an island with deer but no wolves. The deer population increased to ~3500. There was still plenty of food, but the population crashed to 35. The reason was overcrowding.

Sharing kills everybody because you can't survive on half of the required calories. 7 billion people is 4 billion too many

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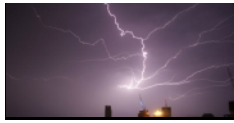
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