

Your source for the latest research news

# **Science News**

from research organizations

# Earth's vital signs worsen amid business-as-usual mindset on climate change

Date: July 28, 2021

Source: Oregon State University

Summary: Twenty months after declaring a climate emergency and establishing a set of vital signs for the

Earth, a coalition of researchers says the updated vital signs "largely reflect the consequences

of unrelenting business as usual."

Share: **f y p** in **x** 

#### **FULL STORY**

Twenty months after declaring a climate emergency and establishing a set of vital signs for the Earth, a coalition headed by two Oregon State University researchers says the updated vital signs "largely reflect the consequences of unrelenting business as usual."

Authors led by OSU's William Ripple and Christopher Wolf, in a paper published today in *BioScience*, are calling for a phase-out of fossil fuels in response to the climate crisis. They also want strategic climate reserves for the storage of carbon and the protection of biodiversity, and a global price for carbon high enough to induce "decarbonization" across the industrial and consumption spectrum.

The scientists note an unprecedented surge in climate-related disasters since 2019, including devastating floods, record-shattering heat waves and extraordinary storms and wildfires.

"There is growing evidence we are getting close to or have already gone beyond tipping points associated with important parts of the Earth system, including warm-water coral reefs, the Amazon rainforest and the West Antarctic and Greenland ice sheets," said Ripple, distinguished professor of ecology in the OSU College of Forestry.

2020 was the second hottest year in history, with the five hottest years on record all occurring since 2015. And three key greenhouse gases -- carbon dioxide, methane and nitrous oxide -- set records for atmospheric concentrations in 2020 and again in 2021.

In April 2021, carbon dioxide concentration reached 416 parts per million, the highest monthly global average concentration ever recorded.

"Priorities need to shift toward immediate, drastic reductions in greenhouse gases, especially methane," said Wolf, a postdoctoral scholar in the College of Forestry.

"We also need to stop treating the climate emergency as a stand-alone issue -- global heating is not the sole symptom of our stressed Earth system," Ripple said. "Policies to combat the climate crisis or any other symptoms should address their root cause: human overexploitation of the planet."

With its myriad economic interruptions and shutdowns, the COVID-19 pandemic had the side effect of providing some climate crisis relief but only of the ephemeral variety, the scientists say.

"Global gross domestic product dropped by 3.6% in 2020 but is projected to rebound to an all-time high," Ripple said. "Likely because of the pandemic, fossil fuel consumption has gone down since 2019, as have carbon dioxide emissions and airline travel levels. All of these are expected to significantly rise with the opening of the economy."

A major lesson of the pandemic, the authors say, is that even colossally decreased transportation and consumption are insufficient to tackle climate change and instead transformational system changes are required, even if politically unpopular. Despite pledging to "build back better" by globally directing COVID-19 recovery investments toward green policies, only 17% of such funds had been allocated that way as of early March 2021.

"As long as humanity's pressure on the Earth system continues, attempted remedies will only redistribute the pressure," Wolf said. "But by halting the unsustainable exploitation of natural habitats, we can reduce zoonotic disease transmission risks, protect carbon stocks and conserve biodiversity, all at the same time."

Other key vital signs the authors highlight:

- Ruminant livestock now number more than 4 billion, and their total mass is more than that of all humans and wild animals combined.
- Brazilian Amazon annual forest loss rates increased in both 2019 and 2020, reaching a 12-year high of 1.11 million hectares deforested in 2020.
- Ocean acidification is near an all-time record. Together with thermal stress, it threatens the coral reefs that more than half a billion people depend on for food, tourism dollars and storm surge protection.

"All climate actions should focus on social justice by reducing inequality and prioritizing basic human needs," Ripple said. "And climate change education should be included in school core curriculums around the world -- that would result in greater awareness of the climate emergency and empower learners to take action."

Ripple, Wolf and OSU colleagues Bev Law and Jillian Gregg, along with collaborators from Massachusetts, Australia, the United Kingdom, France, the Netherlands, Bangladesh and Germany, call for a "three-pronged near-term policy approach" that includes a globally implemented serious carbon price, a phase-out and eventual ban of fossil fuels, and strategic climate reserves to safeguard and restore natural carbon sinks and biodiversity.

"The carbon price needs to be linked to a socially just fund to finance climate mitigation and adaptation policies in the developing world," Ripple said. "We need to quickly change how we're doing things, and new climate policies should be part of COVID-19 recovery plans wherever possible. It's time for us to join together as a global community with a shared sense of cooperation, urgency and equity."

The paper by Ripple, Wolf and collaborators comes out as the International Panel on Climate Change prepares to release its report, on the physical science of climate change, on Aug. 9. The IPCC says the report will include an assessment of scientific knowledge about the warming of the planet and projections for future warming.

Joining the OSU scientists on the paper are Thomas Newsome of the University of Sydney; Timothy Lenton of the University of Exeter; Ignacio Palomo of the University of Grenoble Alps; Jasper Eikelboom of Wageningen University and Research; Saleemul Huq of Independent University Bangladesh; Philip Duffy of the Woodwell Climate Research Center; and Johan Rockström of the Potsdam Institute for Climate Impact Research.

The 2019 climate emergency paper, also published in *BioScience*, at the time had more than 11,000 scientist signatories from 153 countries. The signatories now total nearly 14,000 from 158 countries.

Story Source:  Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Elkelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change." ScienceDaily. ScienceDaily, 28 July 2021. <a href="https://www.sciencedaily.com/releases/2021/07/210728105720.htm">www.sciencedaily.com/releases/2021/07/210728105720.htm&gt;.  RELATED STORIES</a>	"Almost 2,000 jurisdictions including 23 national governments have declared of emergency," Ripple said. "But given all of the alarming climate developments, frequent and easily accessible updates on this emergency."	•		
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>	MAKE A DIFFERENCE: SPONSORED OPPORTUN	NITY —		
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Materials provided by Oregon State University. Original written by Steve Lundeberg. Note: Content may be edited for style and length.  Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>				
Journal Reference:  1. William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>	Story Source:			
<ol> <li>William J Ripple, Christopher Wolf, Thomas M Newsome, Jillian W Gregg, Timothy M Lenton, Ignacio Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079</li> <li>Cite This Page:         <ul> <li>MLA</li> <li>APA</li> <li>Chicago</li> </ul> </li> <li>Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change." ScienceDaily. ScienceDaily, 28 July 2021. <a href="https://www.sciencedaily.com/releases/2021/07/210728105720.htm">www.sciencedaily.com/releases/2021/07/210728105720.htm</a>.</li> </ol>		ndeberg. <i>N</i>	Note: Cont	ent may be
Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Duffy, Johan Rockström. World Scientists' Warning of a Climate Emergency 2021. BioScience, 2021; DOI: 10.1093/biosci/biab079  Cite This Page:  MLA APA Chicago  Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change."  ScienceDaily. ScienceDaily, 28 July 2021. <www.sciencedaily.com 07="" 2021="" 210728105720.htm="" releases="">.</www.sciencedaily.com>	Journal Reference:			
Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change." ScienceDaily. ScienceDaily, 28 July 2021. <a href="https://www.sciencedaily.com/releases/2021/07/210728105720.htm">www.sciencedaily.com/releases/2021/07/210728105720.htm</a> .	Palomo, Jasper A J Eikelboom, Beverly E Law, Saleemul Huq, Philip B Du	uffy, Johar	n Rockströ	m. <b>World</b>
Oregon State University. "Earth's vital signs worsen amid business-as-usual mindset on climate change." ScienceDaily. ScienceDaily, 28 July 2021. <a href="https://www.sciencedaily.com/releases/2021/07/210728105720.htm">www.sciencedaily.com/releases/2021/07/210728105720.htm</a> .	Cite This Page:	MLΔ	ΔΡΔ	Chicago
ScienceDaily. ScienceDaily, 28 July 2021. <a href="https://www.sciencedaily.com/releases/2021/07/210728105720.htm">www.sciencedaily.com/releases/2021/07/210728105720.htm</a> .		IVILA	/ NI / N	Cilidago
RELATED STORIES				_
	RELATED STORIES			

Sep. 11, 2018 — A new study has quantified trends in the condition of 35 ecological 'vital signs' dealing with snow, rivers, forests, fire, wildlife and ...

Hunting Is Changing Forests, but Not as Expected

Feb. 15, 2018 — In many tropical forests, over-hunting is diminishing the populations of animals who are vital for dispersing the seeds of woody plants. Those same plants are vital for carbon storage and previous ...

Making Healthier Decisions, Step by Step

Oct. 13, 2017 — For 10 days, scientists posted signs at the bottom of a set of airport stairs and escalators encouraging them to take the stairs. They found when the signs were present, people were about twice as ...

Overhead Signs on Freeways: Are Drivers Being Told Too Much?

May 31, 2017 — The growing trend to install multiple road signs at the same location along Australian freeways might be practical and cost-effective but is it safe? A new study has looked at the impact of locating

#### FROM AROUND THE WEB

ScienceDaily shares links with sites in the TrendMD network and earns revenue from third-party advertisers, where indicated.

# Integrating climate action for health into covid-19 recovery plans

Kristine Belesova et al., The BMJ: Research, 2020

## Lessons from the covid-19 pandemic provide a blueprint for the climate emergency

Renee N Salas, The BMJ: Research, 2020

#### Preparing international cooperation on pandemic prevention for the Anthropocene

Colin J Carlson et al., BMJ, 2021

#### Frontier issues on climate change science for supporting Future Earth

Tianjun Zhou et al., Chinese Science Bulletin

#### LabCorp Downgraded by Canaccord Genuity

360Dx, 2018

#### Reasons to be cheerful: the other global crisis

Helen M Roberts et al., The BMJ: Research, 2020

# **Artificial Intelligence Outperforms Humans in Cervical Cancer Screening**

360Dx, 2019

#### The changing climates of global health

Thomas Cousins et al., BMJ, 2021



# Free Subscriptions

Get the latest science news with ScienceDaily's free email newsletters, updated daily and weekly. Or view hourly updated newsfeeds in your RSS reader:

$\vee$	Ema	ail I	Νον	ıςl	۵tt	٥r٥
$\sim$		ан і	100	voi	CIL	ᄗ

# **Follow Us**

Keep up to date with the latest news from ScienceDaily via social networks:

- f Facebook
- in LinkedIn

# **Have Feedback?**

Tell us what you think of ScienceDaily -- we welcome both positive and negative comments. Have any problems using the site? Questions?

- Leave Feedback
- Contact Us

About This Site | Staff | Reviews | Contribute | Advertise | Privacy Policy | Editorial Policy | Terms of Use

Copyright 2021 ScienceDaily or by other parties, where indicated. All rights controlled by their respective owners. Content on this website is for information only. It is not intended to provide medical or other professional advice. Views expressed here do not necessarily reflect those of ScienceDaily, its staff, its contributors, or its partners. Financial support for ScienceDaily comes from advertisements and referral programs, where indicated.

— CCPA: Do Not Sell My Information — — GDPR: Privacy Settings —