

A billion deaths from global warming?

Richard Parncutt, 18.9.2023

In the past month there were >180 news reports (listed below) in >32 countries and >18 languages in response to the following publication:

Pearce, J. M., & Parncutt, R. (2023). Quantifying Global Greenhouse Gas Emissions in Human Deaths to Guide Energy Policy. *Energies*, 16(16), 6074.

<https://www.mdpi.com/1996-1073/16/16/6074>

The main message: Global warming of 2°C, caused by burning a trillion tonnes of fossil carbon since the industrial revolution, will cause roughly a billion premature human deaths over roughly a century. Therefore, burning 1000 tonnes of fossil carbon causes a future death (1000-tonne rule).

The foundations were developed here:

Parncutt, R. (2019). The human cost of anthropogenic global warming: semi-quantitative prediction and the 1,000-tonne rule. *Frontiers in Psychology*, 10, 2323.

<https://www.frontiersin.org/articles/10.3389/fpsyg.2019.02323/full>

Many reports are listed here:

<https://mdpi.altmetric.com/details/153400935/news>

The reports were in Croatian, English, French, Georgian, German, Greek, Hindi, Hungarian, Indonesian, Italian, Korean, Persian, Portuguese, Punjabi, Russian, Spanish, Turkish, and Ukrainian. The paper was cited on the following English Wikipedia pages: Climate Justice, 2023 in Climate Change, CO2-Bilanz, Richard Parncutt, Joshua Pearce.

ARGENTINA

Ecoportal (Spanish)

<https://www.ecoportal.net/temas-especiales/mil-millones-de-muertes/>

AUSTRALIA

Mirage News

<https://www.miragenews.com/human-activity-may-trigger-1-billion-deaths-1073336/>

Pearls and Irritations

<https://johnmenadue.com/an-australian-holocaust-greenhouse-gas-emissions-and-mass-deaths/>

Knowridge Science Report

<https://knowridge.com/2023/09/1-billion-lives-at-risk-if-we-dont-act-on-climate-change-new-study-warns/>

AUSTRIA

Moment.at (German)

<https://www.moment.at/story/klimakrise-1-milliarde-tote-studie>

BELGIUM

Travel tomorrow

<https://traveltomorrow.com/one-billion-people-at-risk-of-dying-due-to-climate-change-study-claims/>

BRAZIL

Canaltech (Portuguese)

<https://canaltech.com.br/amp/meio-ambiente/mudancas-climaticas-podem-provocar-1-bilhao-de-mortes-261577/>

Tecmundo (Portuguese)

<https://www.tecmundo.com.br/ciencia/269098-mudanca-climatica-causar-bilhao-mortes-2100-diz-cientista.htm>

Terra (Portuguese)

<https://www.terra.com.br/byte/mudancas-climaticas-podem-provocar-1-bilhao-de-mortes,1529500e5e9dbb4080f5f826648fd247wgzsfqc6.html>

CANADA

Can India

<https://www.canindia.com/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study-2/>

Daily Geek Show (French)

<https://dailygeekshow.com/morts-changement-climatique/#>

Electric Energy Online

<https://electricenergyonline.com/article/energy/category/environment/18/1037089/climate-changing-human-activity-predicted-to-cause-1-billion-deaths-new-study.html>

Journal de Montréal (French)

<https://www.journaldemontreal.com/2023/09/01/changements-climatiques-un-milliard-de-personnes-pourraient-mourir-dici-la-fin-du-siecle>

Journal de Québec (French)

<https://www.journaldequebec.com/2023/09/01/changements-climatiques-un-milliard-de-personnes-pourraient-mourir-dici-la-fin-du-siecle>

Social News

<https://www.socialnews.xyz/2023/08/29/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study/>

Up Magazine (French)

<https://up-magazine.info/planete/climat/118884-climat-deregle-une-question-de-vie-ou-de-mort-pour-un-milliard-de-personnes/>

Weekly Voice

<https://weeklyvoice.com/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study/>

Western University

<https://news.westernu.ca/2023/08/climate-change-human-deaths/>

CHILE

Biobiochile (Spanish)

<https://www.biobiochile.cl/especial/aqui-tierra/noticias/2023/08/29/cientos-de-estudios-cientificos-predicen-mil-millones-de-muertes-por-cambio-climatico-el-proximo-siglo.shtml>

CHINA

Kuaiqikan (Chinese)

<https://www.kuaiqikan.com/45079e0578a46cf98a284bbf0fd1a6ec>

Gamersky (Chinese)

<https://www.gamersky.com/tech/202309/1640445.shtml>

Weibo (Chinese)

<https://weibo.com/1263692934/NhfG0oDQ8>

Haokan (Chinese)

<https://haokan.baidu.com/v?pd=wisenatural&vid=17662377292086070416>

COLUMBIA

El Tiempo (Spanish)

<https://www.eltiempo.com/vida/medio-ambiente/predicen-mil-millones-de-muertes-ocasionadas-por-el-cambio-climatico-el-proximo-siglo-800668>

COSTA RICA

RepreTel (Spanish)

<https://www.repreTel.com/noticia/el-cambio-climatico-puede-causar-1-000-millones-de-muertes-prematuras/>

CROATIA

Bug Online (Croatian)

<https://www.bug.hr/istrazivanja/pravilo-1000-tona-milijarda-ljudi-umrijet-ce-od-klimatskih-promjena-35225>

CZECH REPUBLIC

CT24 (Czech)

<https://ct24.ceskatelevize.cz/veda/3611173-zmeny-klimatu-si-vyzadaji-miliardu-lidskych-zivotu-varuje-studie>

Nedd (Czech)

<https://nedd.tiscali.cz/dva-stupne-celsia-budou-pro-miliardu-lidi-otazkou-zivota-a-smrti-563869>

FRANCE

DayFR Euro (English)

<https://euro.dayfr.com/trends/amp/764762>

Geo (French)

<https://www.geo.fr/environnement/changement-climatique-un-milliard-de-personnes-pourraient-mourir-dans-le-siecle-a-venir-regle-1000-tonnes-216406>

GuruMeditation (French)

<https://www.gurumed.org/2023/09/01/les-changements-climatiques-lis-lactivit-humaine-pourraient-entrainer-la-mort-dun-milliard-de-personnes>

Up Magazine (French)

<https://up-magazine.info/planete/climat/118884-climat-deregle-une-question-de-vie-ou-de-mort-pour-un-milliard-de-personnes/>

GEORGIA

1TV (Georgian)

<https://1tv.ge/news/mecnierebi-gvafrtkhleben-rom-klimatis-cvlilebam-sheidzleba-miliardamde-adamianis-sikvdili-gamoiwvios-1tvmecniereba/>

GERMANY

Golem (German)

<https://www.golem.de/news/co2-emissionen-bedrohung-fuer-das-leben-von-einer-milliarde-menschen-2308-177164.html>

GREECE

RP (Greek)

<https://rp.gr/meleti-i-klimatiki-allagi-borei-na-odigisei-se-1-disekatomyrio-thanatous-ton-epomeno-aiona/>

HUNGARY

24.hu (Hungarian)

<https://24.hu/tudomany/2023/08/30/klimavaltozas-hatasai-egy-milliard-ember-halala-jovo/>

INDIA

ABP Live (Hindi)

<https://www.abplive.com/gk/one-billion-people-will-die-in-the-coming-years-the-reason-is-surprising-global-warming-climate-change-2486907>

Bizz Buzz

<https://www.bizzbuzz.news/amp/eco-buzz/global-temperature-exceeding-20-c-may-cause-1-bn-deaths-1244116>

Business Insider

https://www.business-standard.com/india-news/climate-change-may-lead-to-1-bn-premature-deaths-over-next-century-study-123082900348_1.html

Business Standard

https://www.business-standard.com/india-news/climate-change-may-lead-to-1-bn-premature-deaths-over-next-century-study-123082900348_1.html

Daiji World

<https://www.daijiworld.com/news/newsDisplay?newsID=1114803>

Deccan Herald

<https://www.deccanherald.com/amp/story/environment%2Fresearch-climate-mortality-2664565>

Devdiscourse

<https://www.devdiscourse.com/article/science-environment/2574587-human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study>

Down to Earth

<https://www.downtoearth.org.in/news/climate-change/amp/study-warns-of-a-billion-human-deaths-if-global-warming-reaches-or-exceeds-2-c-91537>

DT Next

<https://www.dtnext.in/lifestyle/wellbeing/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study-732842>

ETV Bharat

<https://www.etvbharat.com/amp/english/sukhibhava/sukhibhava-news/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study/na20230829143839162162869>

Mathrubhumi

<https://english.mathrubhumi.com/amp/news/world/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study-1.8861634>

Millennium Post

<https://www.pressreader.com/india/millennium-post/20230830/281861533070535>

Nagaland Post

<https://nagalandpost.com/index.php/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study/>

NDTV = New Delhi TV

<https://www.ndtv.com/world-news/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-century-study-4338469/amp/1>

NDTV (Hindi)

<https://ndtv.in/zara-hatke/study-shows-climate-change-could-lead-to-one-billion-premature-deaths-over-the-next-century-4339372>

News 18 (Hindi)

<https://hindi.news18.com/news/knowledge/climate-change-will-cause-one-billion-deaths-over-the-next-century-says-study-7438253.html>

NewsD

<https://newsd.in/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study/amp/>

New Kerala

<https://www.newkerala.com/news/2023/98701.htm>

Planet Outlook

<https://planet.outlookindia.com/news/anthropogenic-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study-news-415836>

ProKerala

<https://www.prokerala.com/news/articles/a1453529.html>

Press Reader

<https://www.pressreader.com/india/millennium-post/20230830/281861533070535>

Print

<https://theprint.in/india/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study/1736221/>

PTI news = Press Trust of India

<https://www.ptinews.com/news/health-and-lifestyle/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study-/639234.html>

Rediff

<https://news.rediff.com/commentary/2023/aug/29/humanled-climate-change-may-lead-to-1-billion-premature-deaths/d724ee23f6eb0b7b4e679d793ddd0704>

Sentinel Assam

<https://www.sentinelassam.com/topheadlines/temperature-rise-to-2-degrees-celsius-may-cause-1-billion-deaths-study-664796>

Swift Telecast

<https://swifttelecast.com/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study/>

Tatva

<https://www.thetatva.in/health/1-billion-premature-deaths-predicted-thanks-to-climate-change>

Telegu Stop

<https://english.telugustop.com/stories/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study-latest-eng-news-11784280/>

Telengana Today

<https://telanganatoday.com/study-suggests-human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century>

Daijiworld

<https://www.daijiworld.com/news/newsDisplay?newsID=1114803>

New Indian Express

<https://www.newindianexpress.com/nation/2023/aug/29/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study-2609756.html>

Pioneer

<https://www.dailypioneer.com/2023/india/---one-billion-lives-will-be-lost-if-global-warming-exceeds-by-2-deg-by-2100---.html>

Punjabi Tribune Online (Punjabi)

<https://www.punjabitribuneonline.com/news/nation/global-warming-may-cause-premature-death-of-one-billion-people-in-the-next-century/>

Times of India

<https://timesofindia.indiatimes.com/home/environment/global-warming/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study/articleshow/103164287.cms>

Times Now News

<https://www.timesnownews.com/technology-science/code-red-for-humanity-new-study-reveals-10-crore-lives-at-stake-due-to-climate-change-by-2100-article-103165843>

Weather Channel

<https://weather.com/en-IN/india/climate-change/news/2023-08-29-global-warming-may-result-in-a-billion-premature-deaths-by>

Week

<https://www.theweek.in/wire-updates/national/2023/08/29/lst1-research-climate-mortality.html>

Weekly Voice

<https://weeklyvoice.com/global-temperature-rise-to-2-degrees-celsius-may-cause-1-bn-deaths-study/>

INDONESIA

Betahita (Indonesian)

<https://betahita.id/news/detail/9174/pemanasan-global-dapat-sebabkan-1-miliar-kematian-abad-mendatang.html?v=1693531058>

Jawapos (Indonesian)

<https://www.jawapos.com/internasional/012939301/satu-milyar-orang-diprediksi-akan-meninggal-pada-tahun-2100-akibat-perubahan-iklim>

Kumparan (Indonesian)

<https://kumparan.com/kumparansains/studi-1-abad-ke-depan-1-miliar-manusia-bakal-meninggal-akibat-perubahan-iklim-216ZxHsKyB5/1>

Media Indonesia (Indonesian)

<https://mediaindonesia.com/weekend/610970/satu-miliar-penduduk-bumi-terancam-punah-akibat-krisis-iklim-pada-tahun-2100>

IRAN

Iran Daily (English)

<https://newspaper.irandaily.ir/7377/7/4676>

“Climate change a matter...”

Tahlil Bazaar (Persian)

<https://www.tahlilbazaar.com/news/241082/%D8%AA%D8%BA%DB%8C%DB%8C%D8%B1%D8%A7%D8%AA-%D8%A2%D8%A8-%D9%88-%D9%87%D9%88%D8%A7%DB%8C%DB%8C-%D9%85%DB%8C-%D8%AA%D9%88%D8%A7%D9%86%D8%AF-%D8%A8%D8%A7%D8%B9%D8%AB-%D9%85%D8%B1%DA%AF-%DB%8C%DA%A9-%D9%85%DB%8C%D9%84%DB%8C%D8%A7%D8%B1%D8%AF-%D9%86%D9%81%D8%B1-%D8%B4%D9%88%D8%AF>

Payamekhabar (Persian)

<https://payamekhabar.ir/216586/%D9%85%D8%B1%DA%AF-%DB%8C%DA%A9-%D9%85%DB%8C%D9%84%DB%8C%D8%A7%D8%B1%D8%AF-%D8%A7%D9%86%D8%B3%D8%A7%D9%86-%D8%AF%D8%B1-%D9%BE%DB%8C-%D8%AA%D8%BA%DB%8C%DB%8C%D8%B1%D8%A7%D8%AA-%D8%A7%D9%82%D9%84%DB%8C%D9%85%DB%8C>

ITALY

Eco dalle Citta (Italian)

<https://www.ecodallecitta.it/crisi-climatica-le-emissioni-antropiche-causeranno-un-miliardo-di-morti-premature-nel-prossimo-secolo/>

ES Euro (Italian)

<https://it.eseuro.com/trends/amp/763423>

Every Eye (Italian)

<https://tech.everyeye.it/notizie/numero-persone-uccise-crisi-climatica-spaventoso-668329.html>

Green Report (Italian)

<https://greenreport.it/news/economia-ecologica/la-crisi-climatica-innescata-dai-combustibili-fossili-potrebbe-uccidere-1-miliardo-di-persone/>

Italy 24 Press News (English)

<https://news.italy24.press/trends/821513.html>

Rinnovabili (Italian)

<https://www.rinnovabili.it/ambiente/politiche-ambientali/emissioni-antropiche-morti-premature/amp/>

Tecno Android (Italian)

<https://www.tecnoandroid.it/2023/09/02/cambiamento-climatico-arrivata-una-prima-stima-delle-vite-che-costera-1272547/amp>

Tecnoguide (Italian)

<https://tecnoguide.info/la-tragica-contabilita-delle-vittime-il-terrificante-numero-di-vite-spezzate-dalla-crisi-climatica/amp/>

Tom's Hardware (Italian)

<https://www.tomshw.it/scienze/un-miliardo-di-morti-per-la-crisi-climatica-ma-la-tecnologia-puo-salvarci/>

KOREA

News Quest (Korean)

<https://www.newsquest.co.kr/news/articleView.html?idxno=210737>

Vegan News (Korean)

<https://www.vegannews.co.kr/news/article.html?no=15886>

MEXICO

Newsweek Mexico (Spanish)

<https://newsweekespanol.com/2023/08/calentamiento-global-millones-muertes/>

PORTUGAL

Universo Racionalista (Portuguese)

<https://universoracionalista.org/cientistas-alertam-que-1-bilhao-de-pessoas-podem-morrer-por-causa-das-mudancas-climaticas/>

RUSSIA

Gazeta (Russian)

<https://www.gazeta.ru/science/news/2023/08/29/21172862.shtml>

Yunost Sibiri = Youth of Siberia (Russian)

<https://yunostsibiri.ru/izmenyayushhaya-klimat-devatelnost-cheloveka-privedet-k-1-milliardu-smertej-v-100-let/>

SINGAPORE

IBTime Singapore

https://www.ibtimes.sg/global-temperature-rise-by-2-degrees-celsius-likely-cause-1-billion-deaths-study-71475?utm_source=Internal&utm_medium=Homepage&utm_campaign=block1-1

SPAIN

Antena 3 (Spanish)

https://www.antena3.com/noticias/ciencia/cambio-climatico-matara-mas-mil-millones-personas-proximo-siglo-segun-estudio_2023082964ede4849598e300019be6b1.html

lagua (Spanish)

<https://www.iagua.es/noticias/europa-press/predicen-mil-millones-muertes-cambio-climatico-proximo-siglo>

Wired (Spanish)

<https://es.wired.com/articulos/como-el-cambio-climatico-dejara-mil-millones-de-muertes-hacia-el-ano-2100>

Yahoo (Spanish)

<https://es-us.noticias.yahoo.com/calentamiento-global-causar-1-000-170458892.html>

TURKEY

Yesil Gazete (Turkish)

<https://yesilgazete.org/uyari-iklim-krizi-gelecek-yuzyilda-bir-milyar-kisinin-olumune-yol-acabilir/>

U.K.

Daily Mail

<https://www.dailymail.co.uk/sciencetech/article-12465331/amp/One-BILLION-people-die-climate-change-2100-study-claims.html>

Green Queen

<https://www.greenqueen.com.hk/amp/climate-change-2c-global-temperature-one-billion-human-deaths/>

Meteored UK

<https://www.yourweather.co.uk/news/science/climate-change-could-cause-1-billion-deaths-next-century-weather-emissions.html>

phys.org

<https://phys.org/news/2023-08-climate-changing-human-billion-deaths-century.amp>

Smart Water Magazine

<https://smartwatermagazine.com/news/university-western-ontario/climate-changing-human-activity-could-lead-1-billion-deaths-over>

Technology Networks

<https://www.technologynetworks.com/tn/news/climate-changing-human-activity-may-cause-1-billion-deaths-378263>

Your Weather Meteored

<https://www.yourweather.co.uk/news/science/climate-change-could-cause-1-billion-deaths-next-century-weather-emissions.html>

UKRAINE

New Voice (Ukrainian)

<https://techno.nv.ua/ukr/popscience/do-2100-roku-na-zemli-mozhe-pomerti-milyard-lyudey-cherez-globalne-poteplinnya-ucheni-50350001.html>

TCH/TSN (Ukrainian)

https://tsn.ua/nauka_it/na-odin-rik-do-milyona-zhert-vcheni-ozvuchili-motoroshniy-prognoz-schodo-vimirannya-lyudstva-2400721.html

VIETNAM

Vietnam Posts

<https://vietnam.postsen.com/world/amp/462739>

U.S.A./ INTERNATIONAL/.COM

ABC 15 Arizona

<https://www.abc15.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

ABC 23 Bakersfield

<https://www.turnto23.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

Be Specific

<https://www.bespacific.com/quantifying-global-greenhouse-gas-emissions-in-human-deaths-to-guide-energy-policy/>

KZTV Action 10 News

<https://www.kztv10.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

Biotechnika

<https://www.biotechnika.org/2023/08/climate-change-predictions-1-billion-climate-change-deaths/>

Breitbart

<https://www.breitbart.com/politics/2023/09/06/alarmists-predict-1-billion-deaths-from-climate-change-this-century/>

Cable

<https://www.thecable.ng/study-one-billion-people-could-die-from-climate-disasters-in-the-next-century-scientists-warn>

Daily Kos

<https://www.dailykos.com/stories/2023/8/31/2190813/-Overnight-News-Digest-Exxon-ensures-us-that-global-climate-goals-will-fail>

Diario las América

<https://www.diariolasamericas.com/mundo/cambio-climatico-pudiese-causar-mil-millones-muertes-el-proximo-siglo-n5342249>

Earth.com

<https://www.earth.com/news/climate-change-could-cause-one-billion-deaths-over-the-next-century/>

Ecowatch

<https://www.ecowatch.com/global-warming-forecast-deaths-wealthy-poor.html>

Electric Energy Online

<https://electricenergyonline.com/article/energy/category/environment/18/1037089/climate-changing-human-activity-predicted-to-cause-1-billion-deaths-new-study.html>

Express Digest

<https://expressdigest.com/one-billion-people-will-die-from-climate-change-by-2100-study-claims/>

Fox News

<https://www.fox13now.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

Futurism

<https://futurism.com/the-byte/death-toll-climate-change>

Gadgetonus

<https://gadgetonus.com/tech/122114.html>

Gaze

<https://thegaze.media/news/climate-change-could-claim-the-lives-of-1-billion-people>

Insurance Journal

<https://www.insurancejournal.com/news/national/2023/09/05/738640.htm>

International Business Times (IB Times)

<https://www.ibtimes.sg/global-temperature-rise-by-2-degrees-celsius-likely-cause-1-billion-deaths-study-71475>

Knockout

<https://knockout.chat/thread/52765>

Koa News5 Southern Colorado

<https://www.koaa.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

KSBY California

<https://www.ksby.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

KXXV ABC25 Central Texas

<https://www.kxxv.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

KZTV Action 10 News Corpus Christi

<https://www.kztv10.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

Lex18

<https://www.lex18.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

MSN Microsoft

<https://www.msn.com/en-us/weather/topstories/one-billion-deaths-over-the-next-century-from-climate-change-study/ar-AA1g3O7r>

<https://www.msn.com/en-us/news/technology/negligent-manslaughter-study-finds-climate-change-could-kill-1-billion-mostly-poor-people/ar-AA1fXZzi?ocid=Peregrine>

LinkedIn News

<https://www.linkedin.com/news/story/climate-change-to-cause-1bn-deaths-5752948/>

Mass Media

<https://umassmedia.com/29645/opinions/my-hopes-about-climate-change-are-wearing-thin/>

Nation World News

<https://nationworldnews.com/how-climate-change-will-claim-a-billion-lives-by-the-year-2100/>

NBC 26

<https://www.nbc26.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

News Channel

<https://www.kxxv.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

News Channel 5 Nashville

<https://www.newschannel5.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

News 5 Cleveland

<https://www.wcpo.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

News18

<https://www.news18.com/viral/human-caused-climate-change-may-lead-to-1-billion-premature-deaths-over-next-century-study-8555603.html>

One Green Planet

<https://www.onegreenplanet.org/environment/1-billion-human-lives-at-stake-due-to-climate-change/>

Omega

<https://omega.ngo/2023/09/climate-changing-human-activity-could-lead-to-1-billion-deaths-over-the-next-century-according-to-new-study/>

Reddit

https://www.reddit.com/r/climate/comments/1644vc0/climatechanging_human_activity_could_lead_to_1

Richmond Times

https://richmond.com/news/nation-world/weather/humanity-is-risking-the-death-of-one-billion-of-its-kind-due-to-climate-change/video_900b885d-e062-5ae3-b483-1fbd07314eb1.html

Salon.com

<https://www.salon.com/2023/08/30/negligent-manslaughter-study-finds-climate-change-could-1-billion-mostly-poor-people/>

Scholarly Community Encyclopedia

<https://encyclopedia.pub/entry/48326>

Science Alert

<https://www.sciencealert.com/scientists-warn-1-billion-people-on-track-to-die-from-climate-change>

Science Times

<https://www.sciencetimes.com/articles/45683/20230829/1-billion-people-die-next-century-due-human-caused-climat>

Scripps News

<https://scrippsnews.com/stories/climate-change-could-result-in-the-deaths-of-1-billion-poor-people/>

Technology Networks

<https://www.technologynetworks.com/tn/news/climate-changing-human-activity-may-cause-1-billion-deaths-378263>

Tek Deeps

<https://tekdeeps.com/scientists-have-announced-the-threat-of-death-of-1-billion-people-after-2100-due-to-global-warming/>

TMJ4 Milwaukee

<https://www.tmj4.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

WCPO ABC9 Cincinnati

<https://www.wcpo.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

WFTS Tampa Bay ABC action news

<https://www.abcactionnews.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

WKBW ABC7 Buffalo

<https://www.wkbw.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

What's New 2day

<https://whatsnew2day.com/study-claims-one-billion-lives-will-be-lost-to-climate-change-by-2100/>

WorldTimeToday's

<https://worldtimetodays.com/a-billion-lives-are-at-risk-if-we-dont-act-on-climate-change-a-new-study-warns/>

World Today News

<https://www.world-today-news.com/climate-change-could-claim-nearly-1-billion-lives-if-global-warming-rises-by-2-degrees-celsius-reveals-new-study/>

WPTV West Palm Beach

<https://www.wptv.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

WST Post

<https://wstpost.com/according-to-a-study-by-the-year-2100-one-billion-people-will-die-as-a-result-of-climate-change/>

Yahoo! News

<https://news.yahoo.com/negligent-manslaughter-study-finds-climate-042501431.html>

2 News Oklahoma

<https://www.kjrh.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>

10 News San Diego

<https://www.10news.com/climate-change-could-result-in-the-deaths-of-1-billion-poor-people>