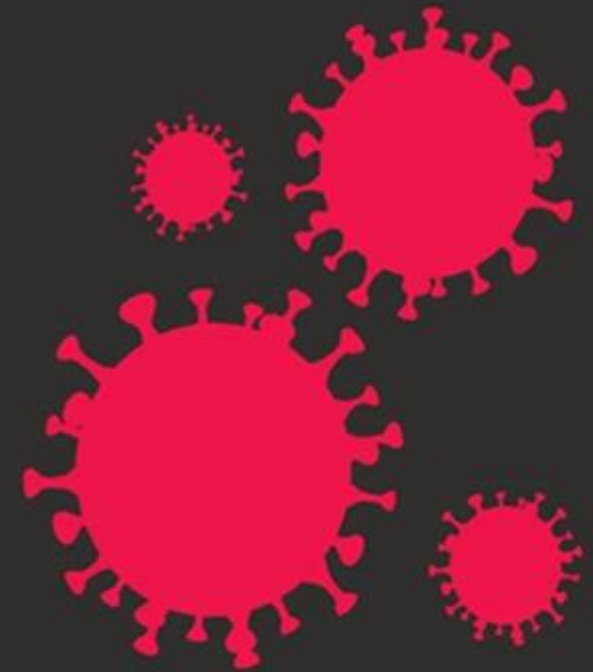


Tel Avir Webinar: Coronavirus and the Climate



Tel Aviv Webinar: Coronavirus and the Climate

➡ Meetup Agenda

- 20:00-20:10 - Short introduction
- 20:10-20:35 - Dr. Maya Negev: A tale of two crises: Corona and climate change
- 20:35-21:00 - Dr. Ram Fishman: Can we really leverage the Corona crisis for a last minute climate move? - an economic-political perspective

The lectures are going to be in English

Questions can be asked in Hebrew or English in the Zoom chat



What is Tel Avir?

➡ A central resource in English for anyone interested in environmental issues in Israel

- Began in 2016 as grassroots meet-up group
- This is our **28th event!**
- Facebook Group with **over 1,300 members**
- Now an official Israeli non-profit with Olim and Israeli leaders
- Plans to **expand**: field trips, virtual master classes, job platform, newsletters – come join us!
- Check out our website: <http://tel-avir.org/>



Tel Avir Webinar: Our Speakers



Dr. Maya Negev's is a faculty member in the School of Public Health in the University of Haifa. Her research focuses on the science-policy interface of environmental health, with a particular interest in chemical regulation, climate change and ecosystem services.


<http://publichealth.haifa.ac.il/en/academic-staff/714-maya-negev-2>



Dr. Ram Fishman is a lecturer at the Department of Public Policy in Tel Aviv University and the Director of the NITSAN Lab. His research is concerned with the broad issues of Sustainable Development, with particular emphasis on water scarcity and climate change in developing countries, global food security, and sustainable agriculture.

<https://english.tau.ac.il/profile/ramf>





A tale of two crises: Corona and climate change

Dr. Maya Negev
School of Public Health
University of Haifa

Agenda



Air pollution



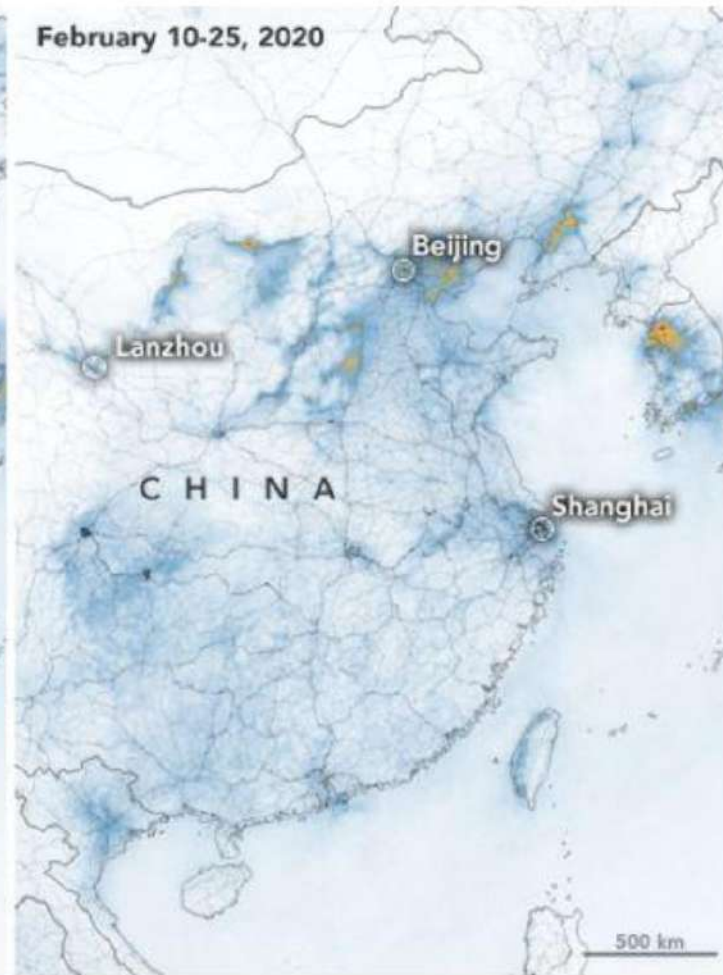
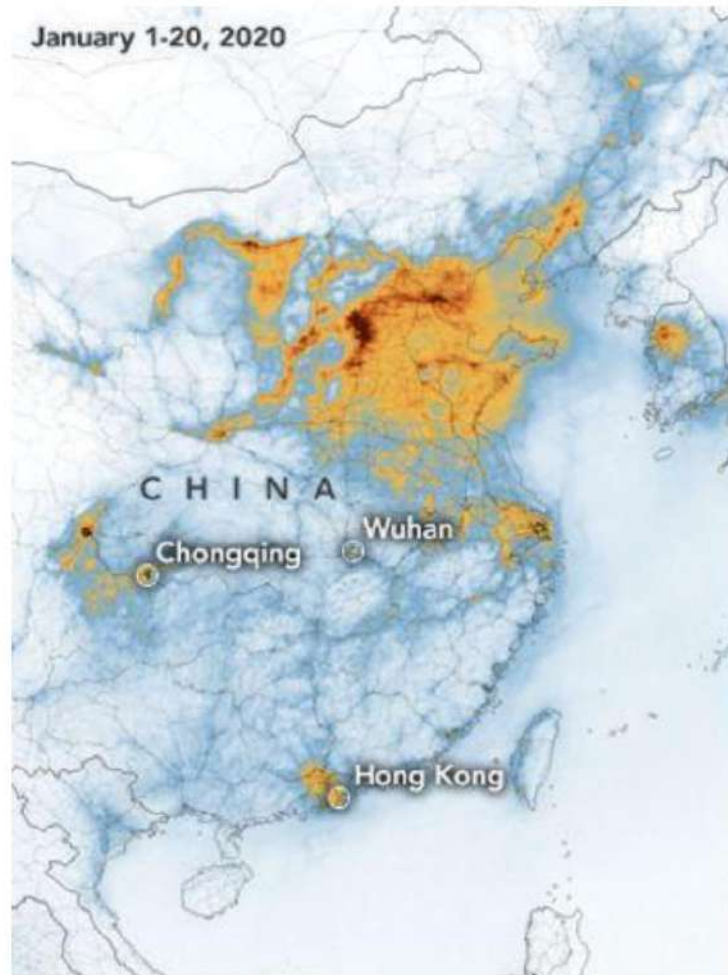
OneHealth



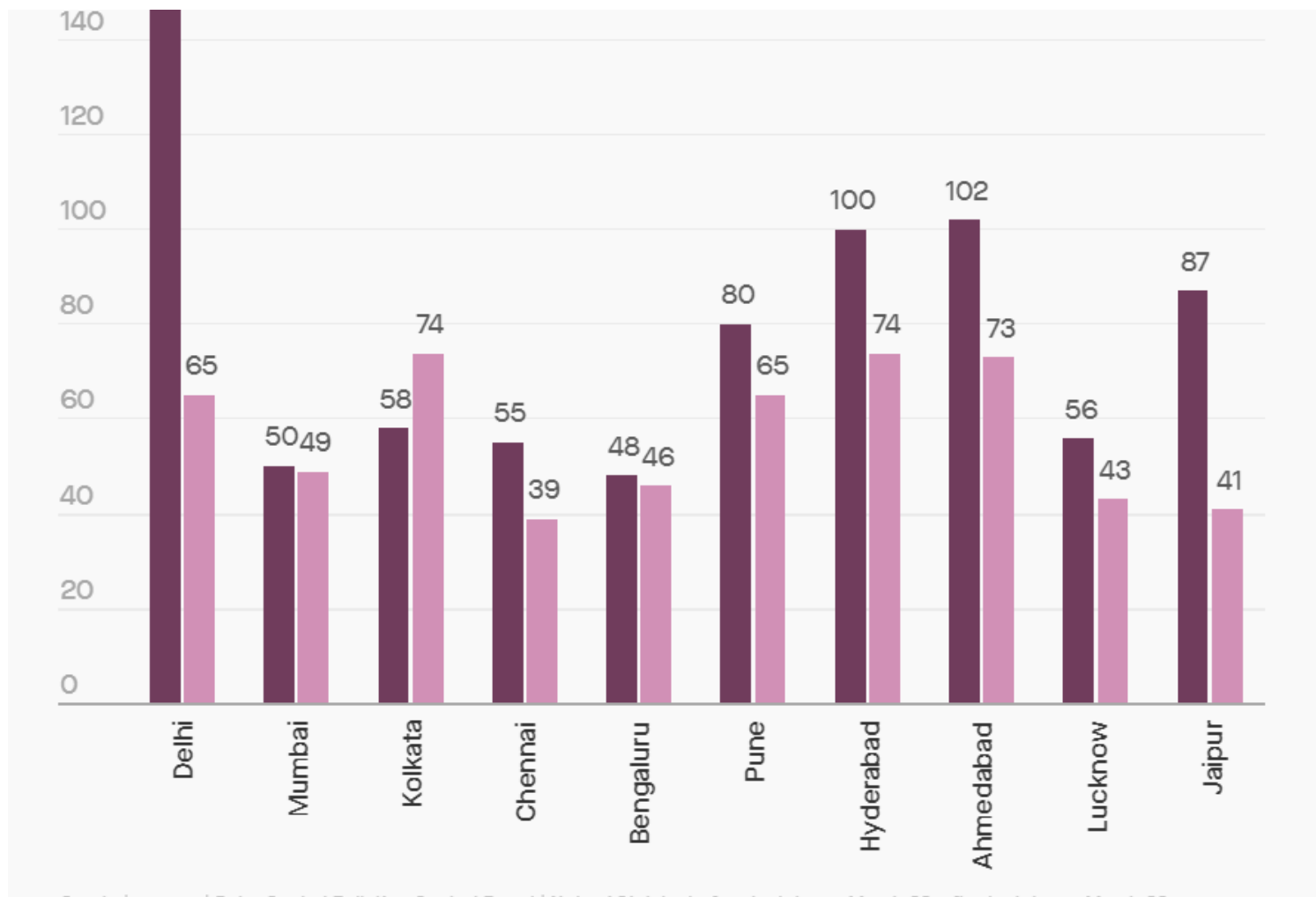
Regional aspects



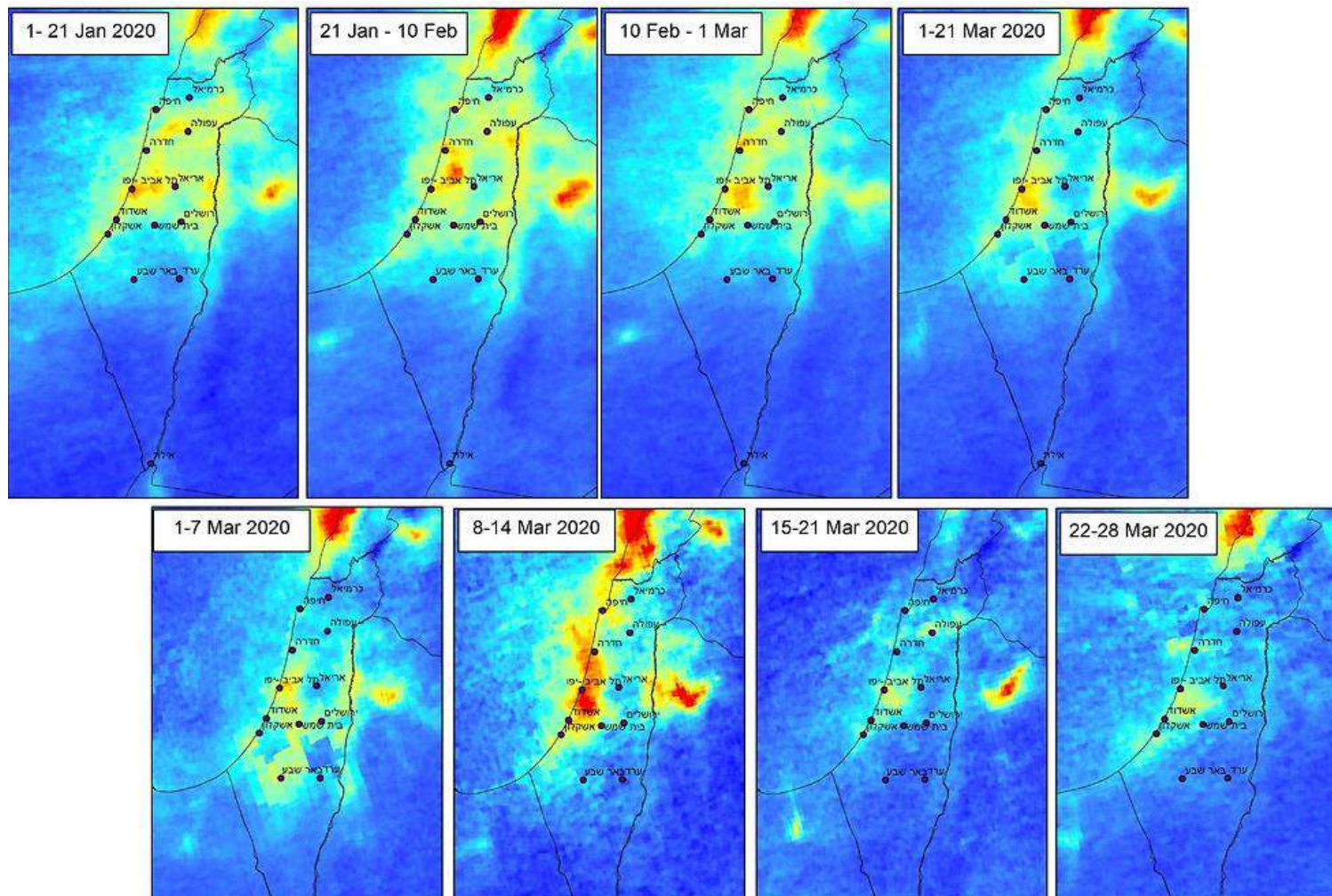
Lessons from corona to climate



NO₂ levels in
China



NO₂ levels in Israel



<https://www.ynet.co.il/articles/0,7340,L-5708650,00.html#autoplay>

Coronavirus: nitrogen dioxide emissions drop
videos

Italy

China

EDITORS' PICK | 181,564 views | Mar 16, 2020, 12:00am EDT

Study: Coronavirus Lockdown Likely Saved 77,000 Lives In China Just By Reducing Pollution



Jeff McMahon Senior Contributor

[Green Tech](#)

From Chicago, I write about climate change, green technology, energy.

f

t

in

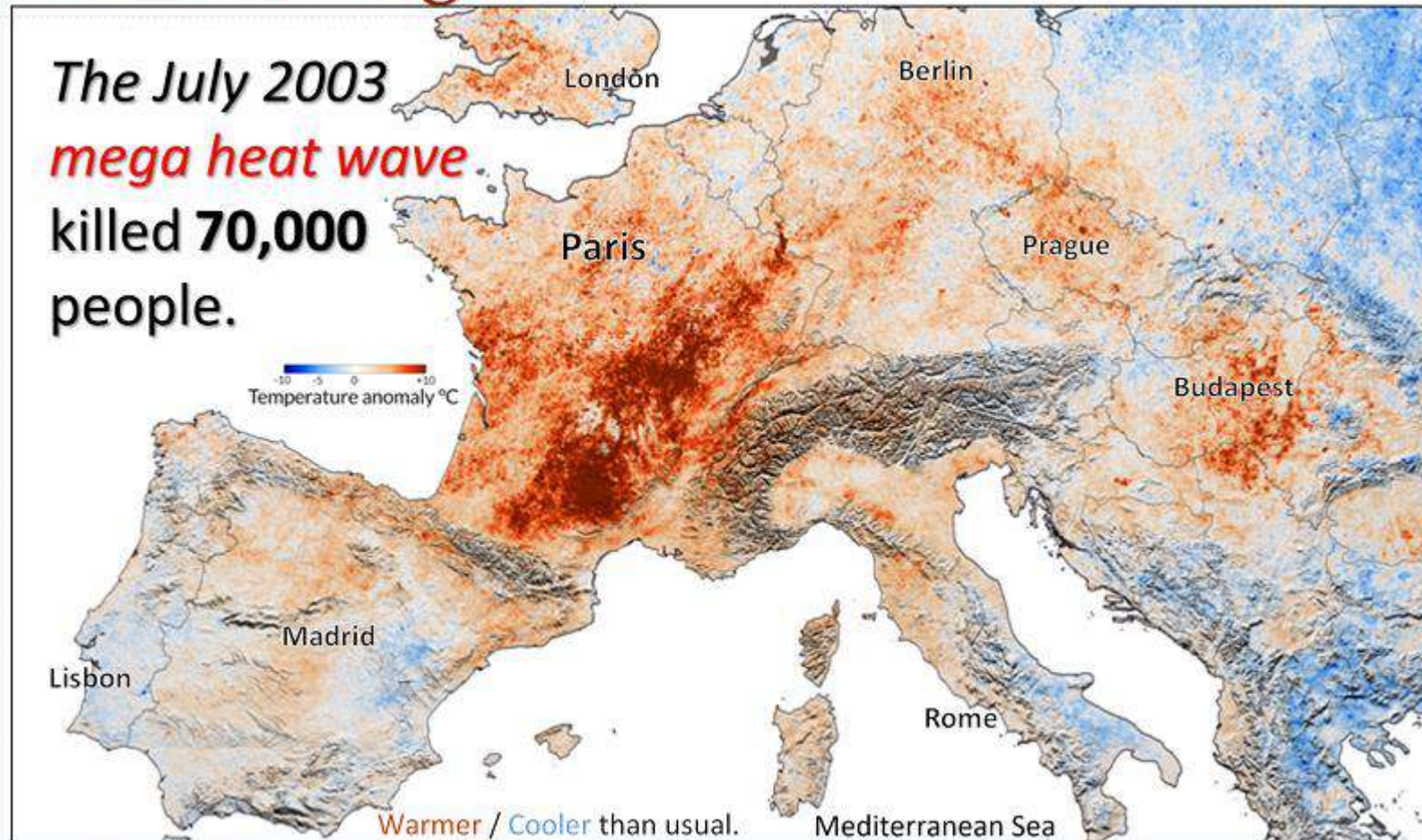


WUHAN, CHINA: A masked woman walks in the empty street due to the lockdown to curb the COVID ... [\[+\]](#) BARCROFT MEDIA VIA GETTY IMAGES

[See also CNN](#)

The first mega

*The July 2003
mega heat wave*
killed **70,000**
people.



Between 2030 and 2050, climate change is expected to cause approximately 250 000 additional deaths per year, from malnutrition, malaria, diarrhea and heat stress.

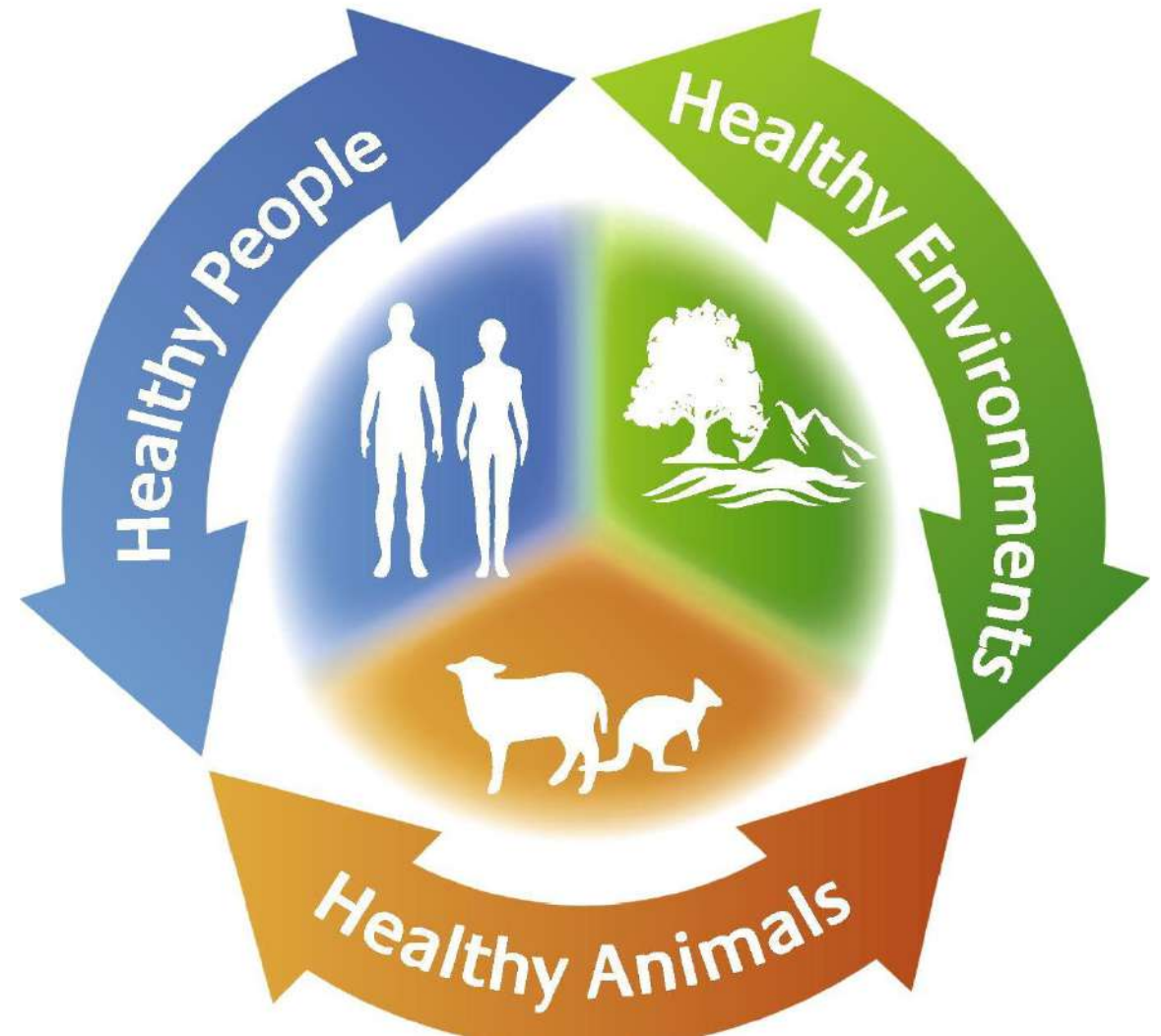
WHO 2018

<https://www.newswire.com/news/how-heat-waves-kill-co2-foundation-warns-of-the-next-mega-20938608>

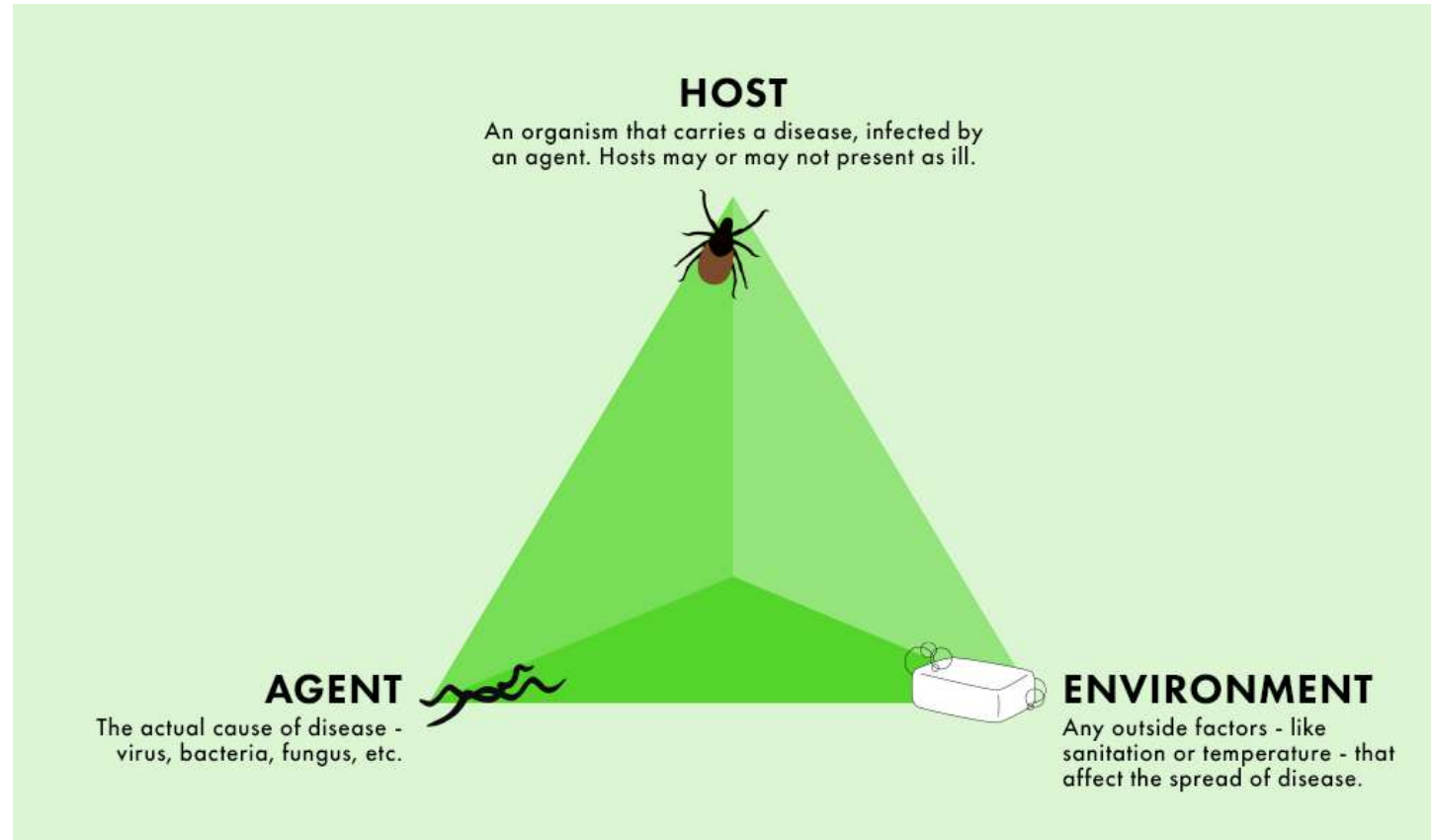
Human-Nature: OneHealth

- Factors intensifying the connection:
- population growth
- urbanization
- deforestation
- climate change:
 - Temperature, humidity, seasons
 - Wildfires
 - Water resources

The One Health Triad



The epidemiological triangle



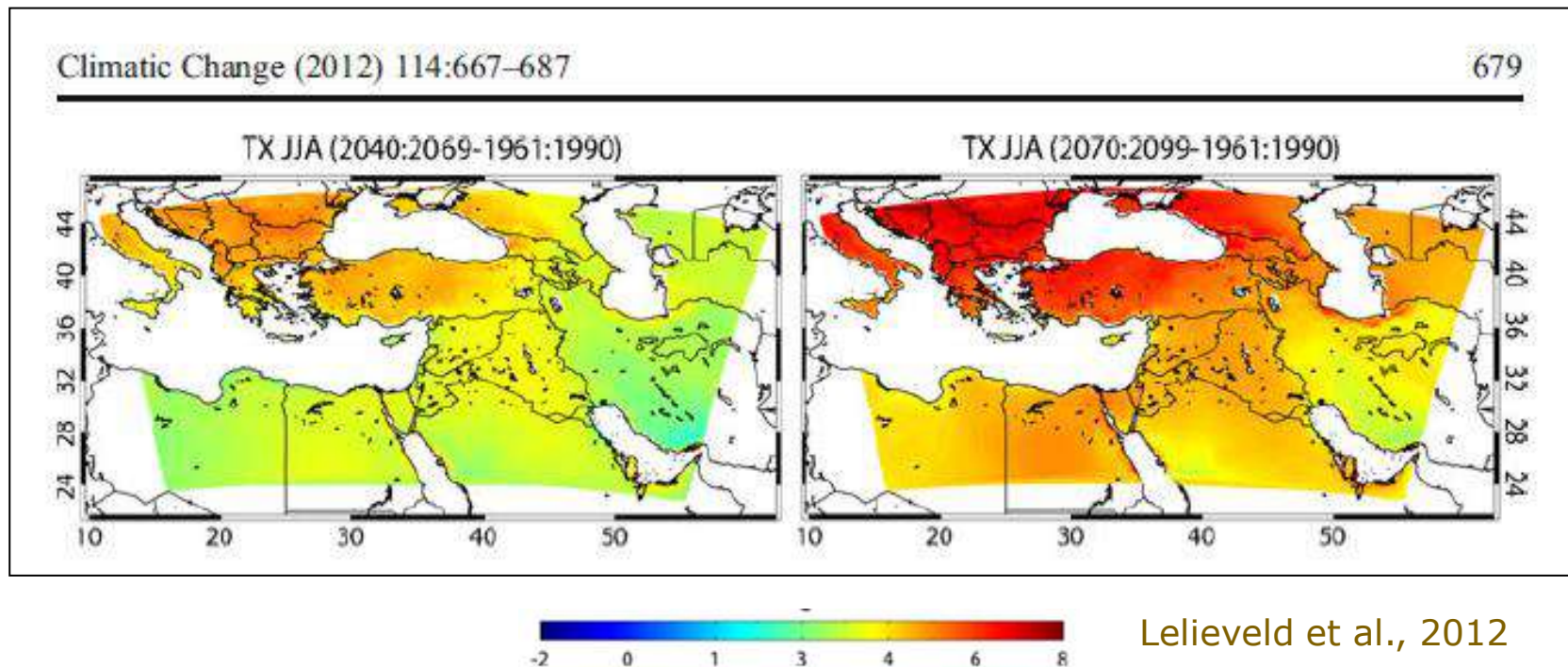
(Sara Plourde, NHPR)

<https://www.patientzeropodcast.com/podcast-episodes/episode-1>



Vector- **Air-** Food- Water- Borne Diseases in the region expected to be influenced by climate change

climatic fluctuations linkages proved / predicted



Regional aspects: The Middle East



Health systems



Water shortage – especially in certain populations



Population density



Political conflict



Culture and social distancing



Cross-border impact and response

"The limits of what we can achieve
– even locally, in terms of COVID
control – is set by the weakest
health care systems globally."

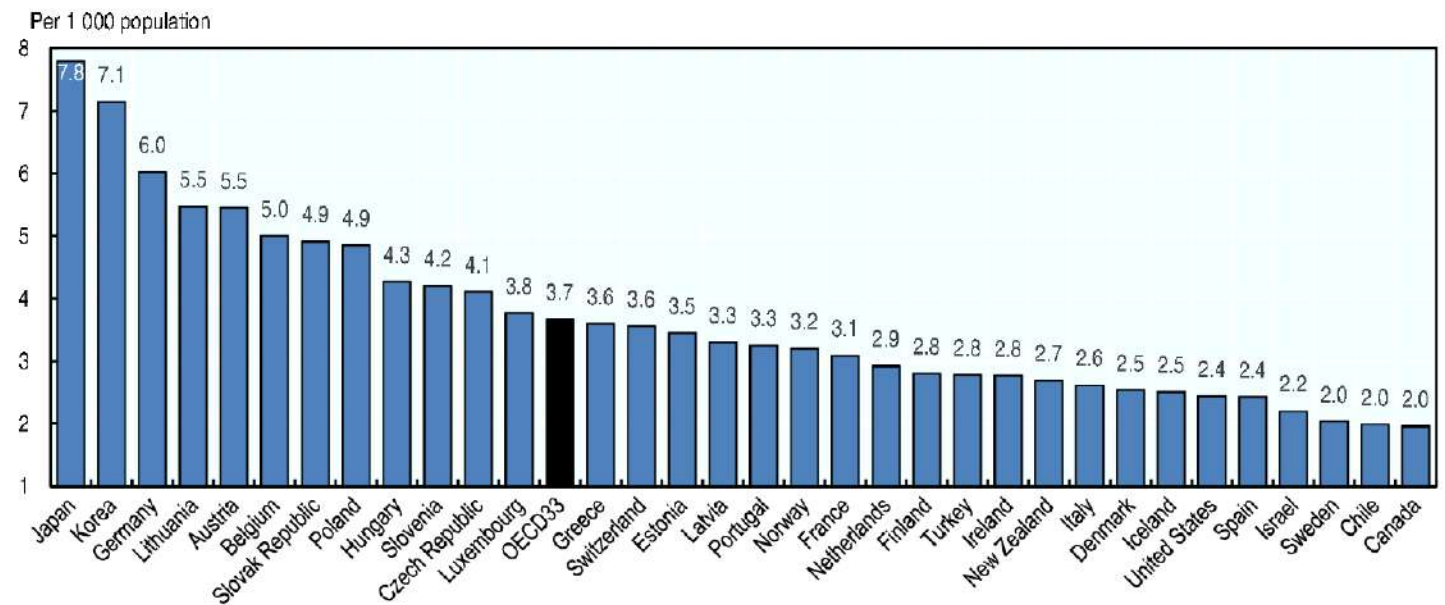
– Sarah Fortune

<https://news.harvard.edu/gazette/story/2020/03/how-to-prevent-overwhelming-hospitals-and-build-immunity/>



<https://cdn.jns.org/uploads/2017/12/download-16-5-880x495.jpg>

Figure 5. Acute care hospital beds in OECD countries, 2017 (or nearest year)



Public health lessons from corona to climate

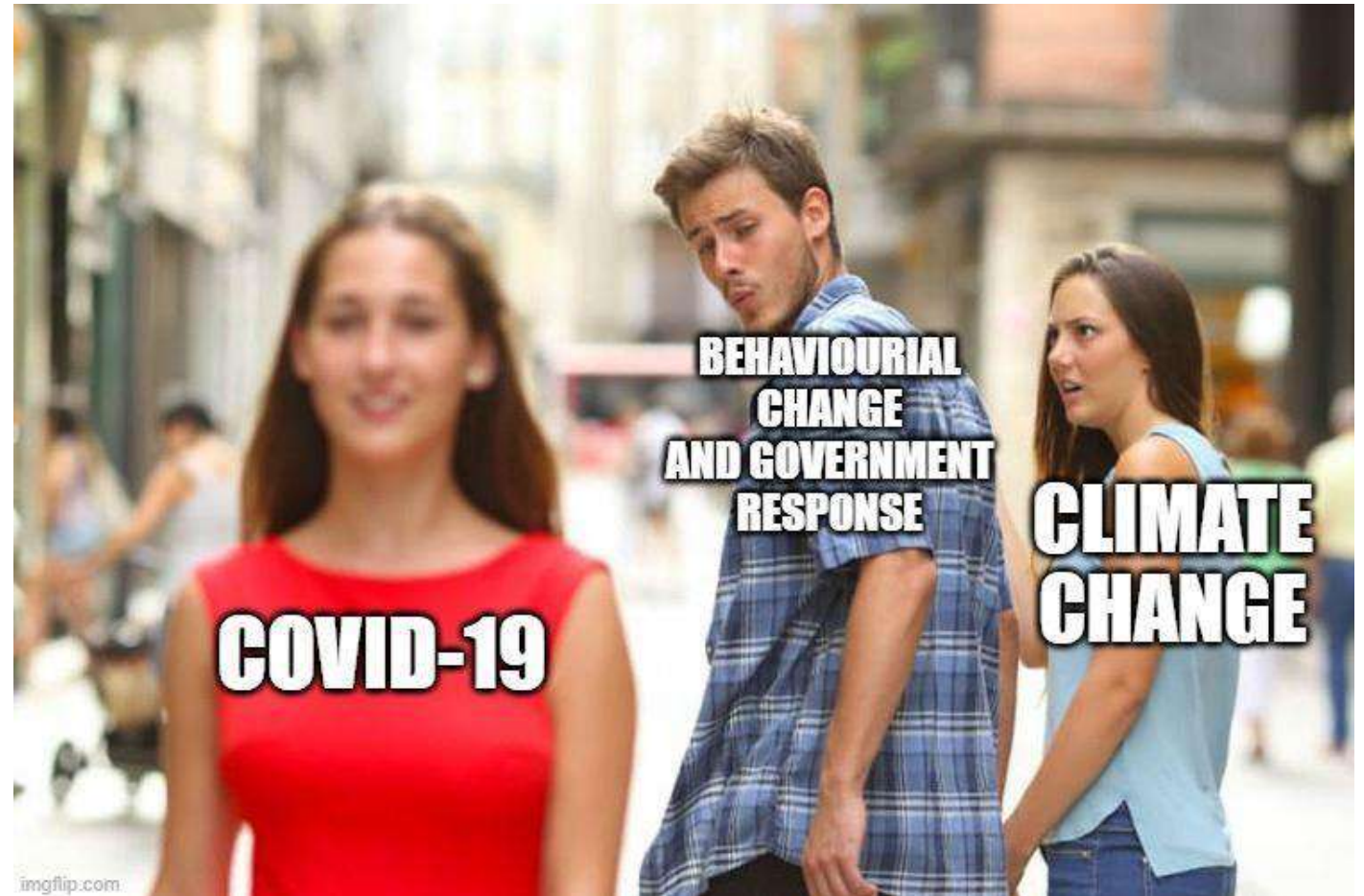


Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity (WHO, 1948)

- Emergency preparedness
- Sustainability
- Regional collaboration
- Global crisis
- Inequalities

Old habits die hard?

- Less flights
- Buy local
- Work partially from home
- Online meetings





Review article

Impacts of climate change on the public health of the Mediterranean Basin population - Current situation, projections, preparedness and adaptation

Cristina Linares^a, Julio Díaz^a, Maya Negev^b, Gerardo Sánchez Martínez^c, Roberto Debono^d, Shlomit Paz^{e,*}



השפעות שינוי האקלים על בריאות הציבור בישראל – מדע ומדיניות

שלומית פז^{[1]*}, מיה נגב^[2] ונדב דוידוביץ^[3]

^[1] החוג לגאוגרפיה ולימודי סביבה, אוניברסיטת חיפה

^[2] בית הספר לבריאות הציבור, אוניברסיטת חיפה

^[3] המחלקה לניהול מערכות בריאות,

בית הספר לבריאות הציבור, אוניברסיטת בן-גוריון בנגב

shlomit@geo.haifa.ac.il *

לכל המחברים תרומה שווה למאמר



Adaptation of health systems to climate-related migration in Sub-Saharan Africa: Closing the gap

Maya Negev^{a,*}, Na'ama Teschner^b, Anat Rosenthal^c, Hagai Levine^d, Clara Lew-Levy^a, Nadav Davidovitch^e



Original research article

Extreme energy poverty in the urban peripheries of Romania and Israel: Policy, planning and infrastructure

Naama Teschner^{a,*}, Anca Sinea^b, Andreea Vornicu^b, Tareq Abu-Hamed^c, Maya Negev^d

^a Department of Geography and Environmental Development, Ben-Gurion University of the Negev, Beer-sheva, Israel

^b College of Political, Administrative and Communication Studies, Babes-Bolyai University, Cluj-Napoca, Romania

^c Arava Institute for Environmental Studies and The Dead Sea Arava Science Center, Israel

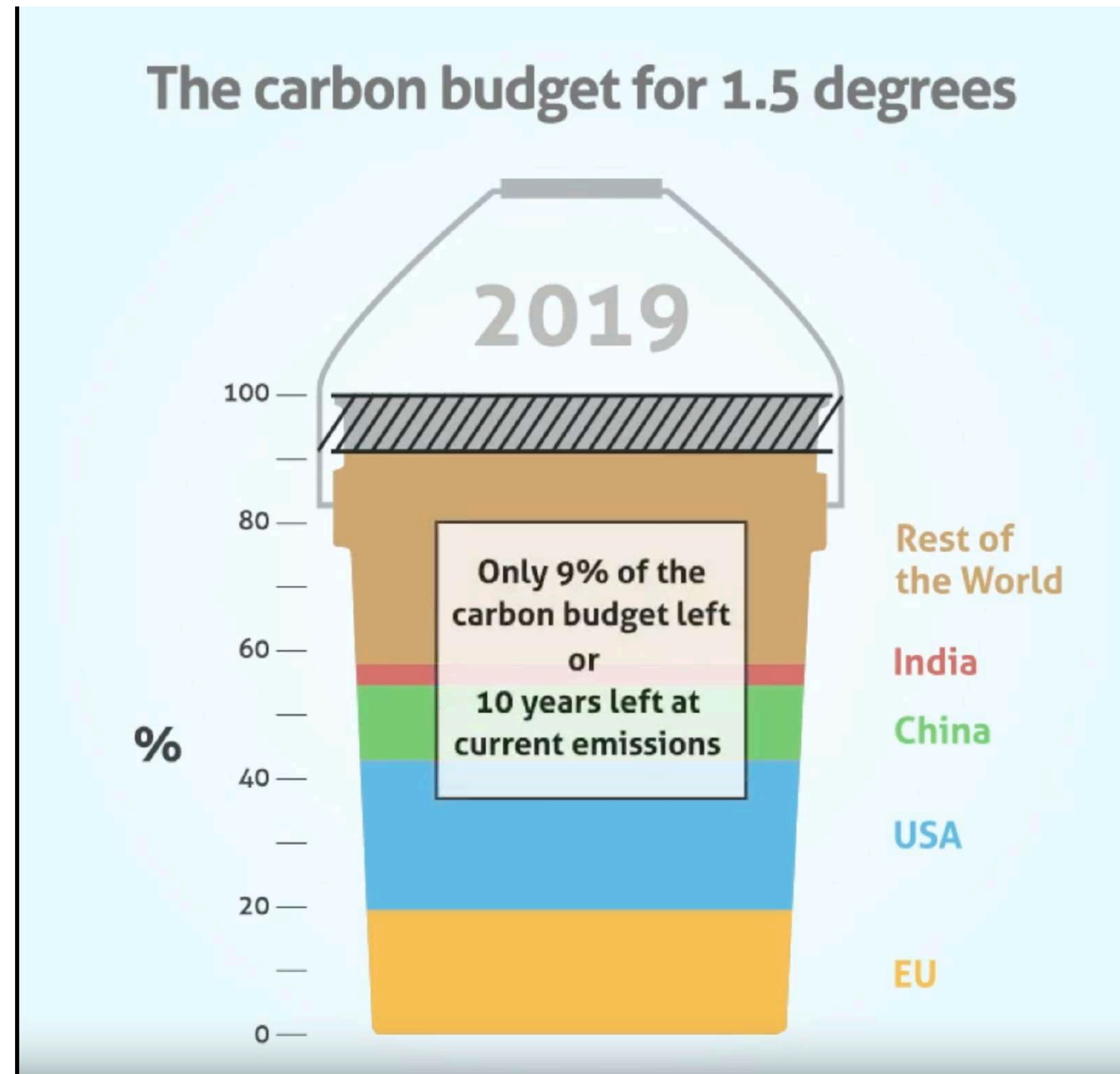
^d School of Public Health, University of Haifa, Haifa, Israel



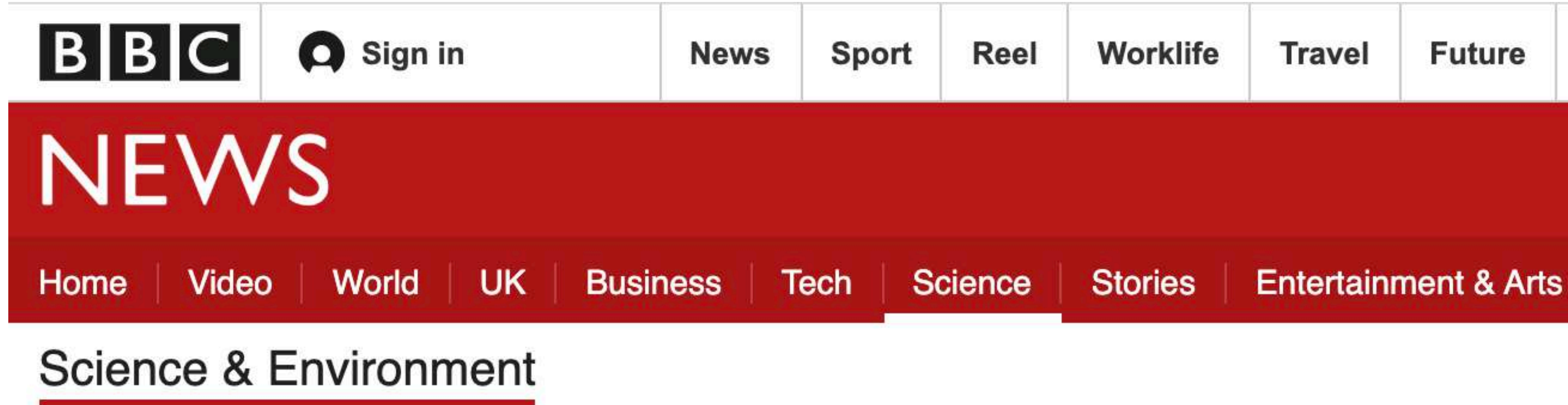
Will Covid-19 save or kill the climate?

Ram Fishman, Tel Aviv University

Where we stand on the Climate Crisis



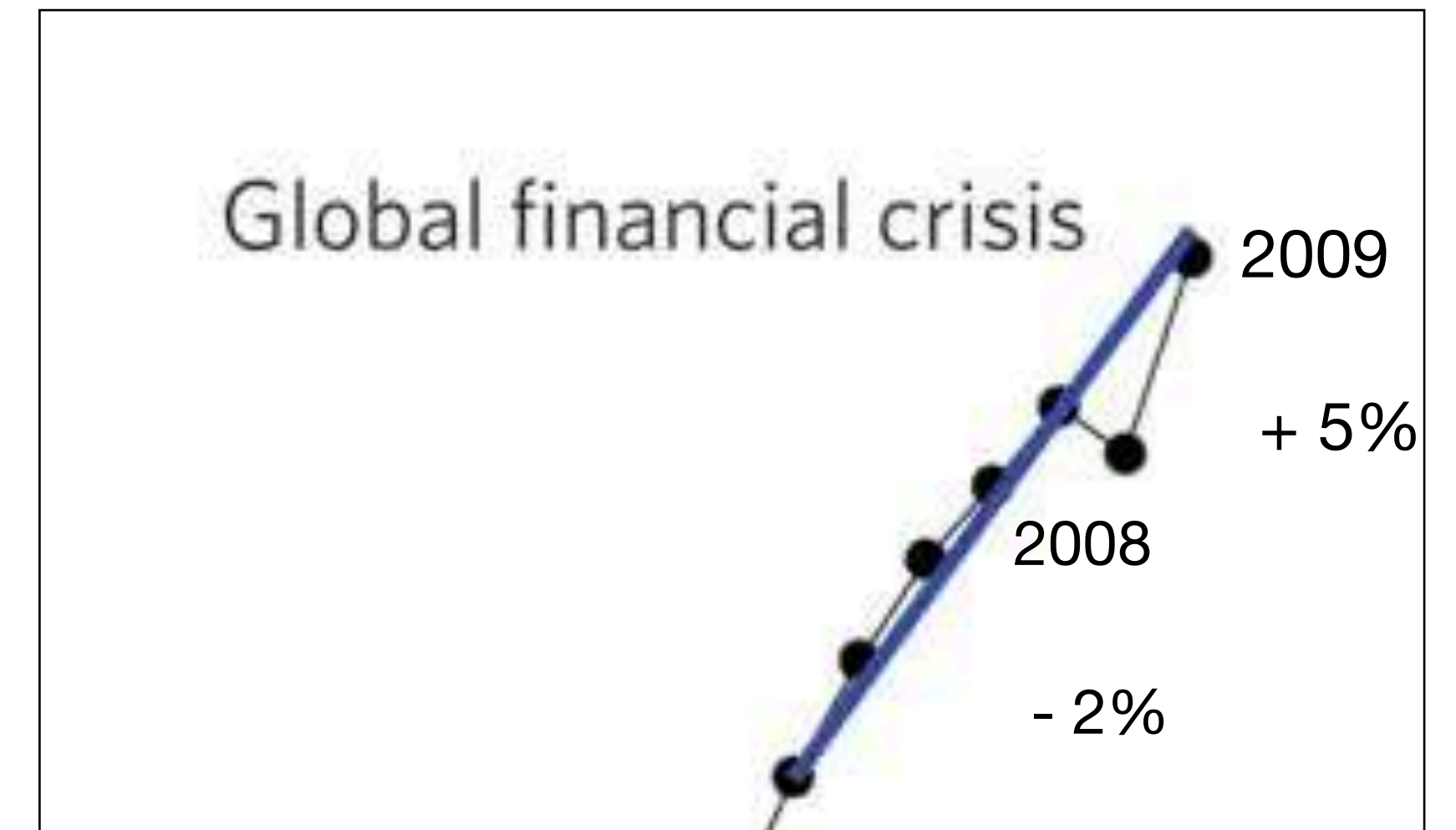
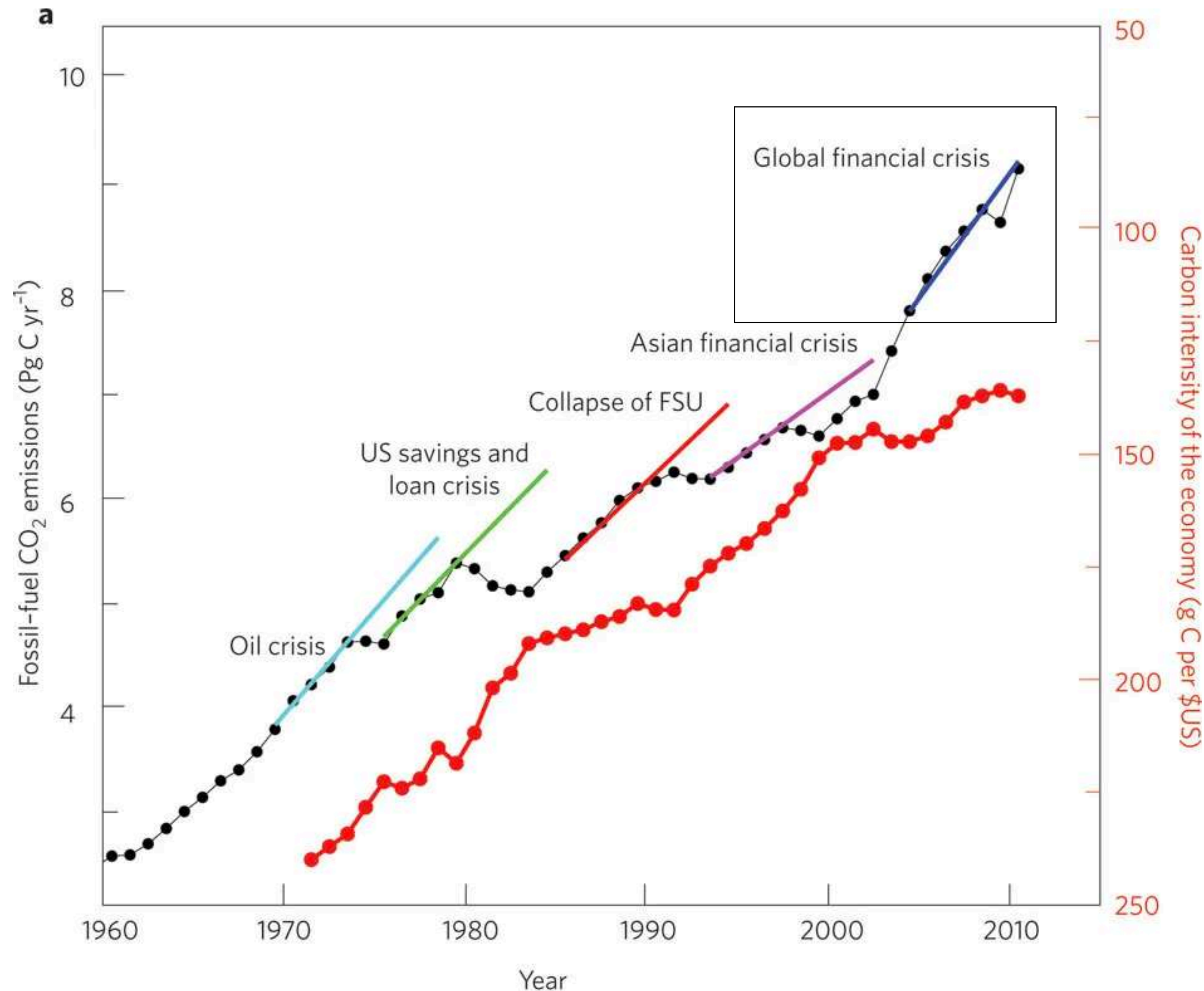
Will Corona save the climate? or kill it?



Coronavirus: Air pollution and CO2 fall rapidly as virus spreads

Will Corona save the climate? or kill it?

Emissions may rebound quickly as soon as the recession is over.



But maybe the crisis is also an opportunity?

- Reductions are not likely to exceed around 5% at most.
- Emissions may rebound quickly as soon as the recession is over.
- During economic hardships, environmental policy is pushed aside.
- Renewable energy companies will also suffer (more?)
- Not to mention the social impacts...
- From a climate clock perspective:
 - 5% for 5 years = a gain of 0.25 years.
 - and a loss of 5 years of policy inaction.

But maybe an opportunity for deep change?



The long read

'We can't go back to normal': how will coronavirus change the world?

▲ Illustration: Nathalie Lees/The Guardian

But maybe an opportunity for deep change?

- Individual choices?
- Private sector?
- Governments?

Individual choices

Any other opportunities inherent here

- Life style choice?
- Even if persist, very small impacts...
- More profound change in mind set?

?

Governments

- Press private sector for reforms?

Barack Obama unveils 'historic' agreement on fuel economy standards

Deal agreed with automakers requires cars and light trucks to average 54.5mpg by 2025 in bid to wean the country off oil imports



Current standards were set at 35mpg by 2016 in 2008, when the auto industry was in a compliant mood after a \$50bn government bailout.

ENVIRONMENT

Corona stimulus plans overlook 'historic' chance for climate crisis

The COVID-19 outbreak has sent countries scrambling to avert economic disaster. Yet in a time of climate change, none appear to be prioritizing clean energy plans. DW spoke with experts to find out why.



Governments

- More profound change? Will politicians have learnt that:
 - When scientists tell you something invisible is coming at you, believe them.
 - Delaying action will carry heavy costs.
 - If damages are highly uncertain, assume the worst.
 - People will accept economic damage to save lives.
 - Inter-generational dilemma



Opinion

Want to Do Something About Climate Change? Follow the Money

Chase Bank, Wells Fargo, Citibank and Bank of America are the worst offenders.



A Moment for Divestment?



Today

Weekly edition

Menu



Finance and
economics

Jan 16th 2020 edition >

Green giant

BlackRock says it wants to do
more for the climate

A Moment for Divestment?

- The pandemic exposed an inter-generational give and take.
- Lots of capital has left the stock market.
- Is this an opportunity to ensure it does not go back to support the fossil fuel industry?
- Can we mobilize, now, a movement to press our parents to demand climate friendly investment channels from their banks?

Thank you for coming!

