





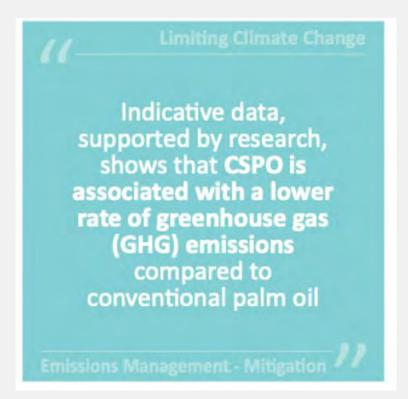




RSPO's impacts – limiting climate change and protecting and restoring nature







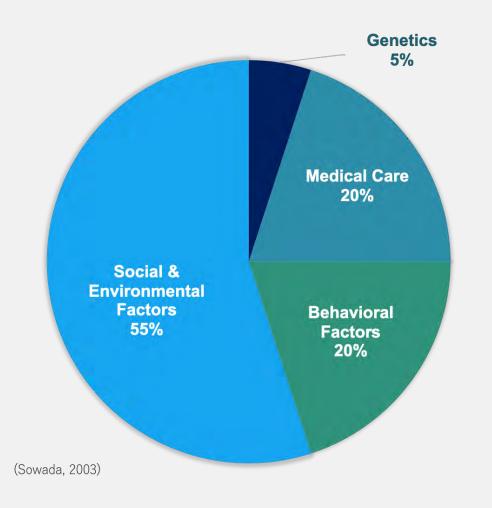


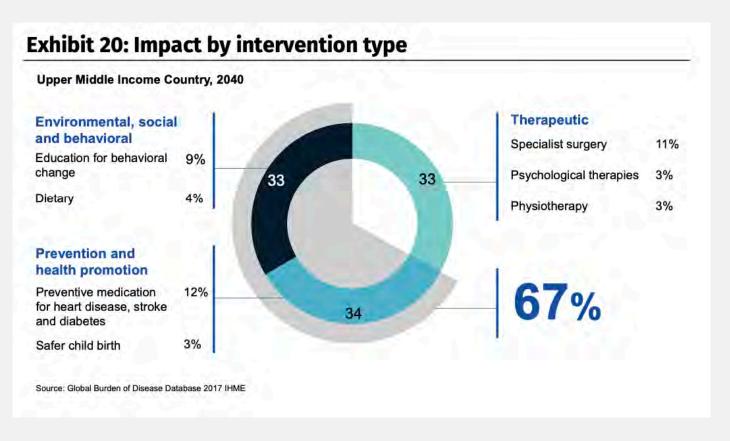






As a medical doctor, I was tired of treating the symptoms

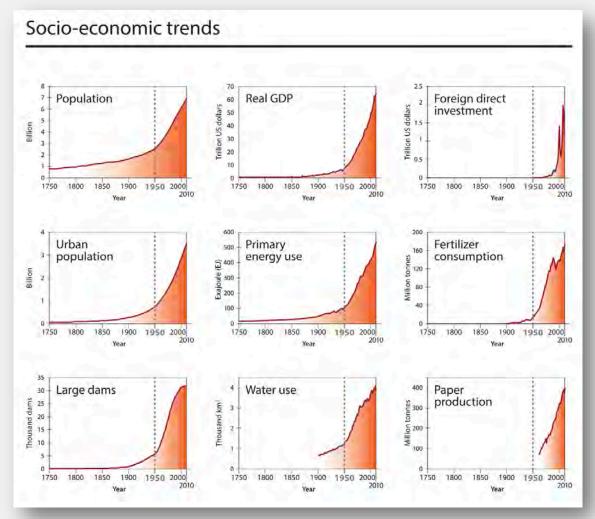


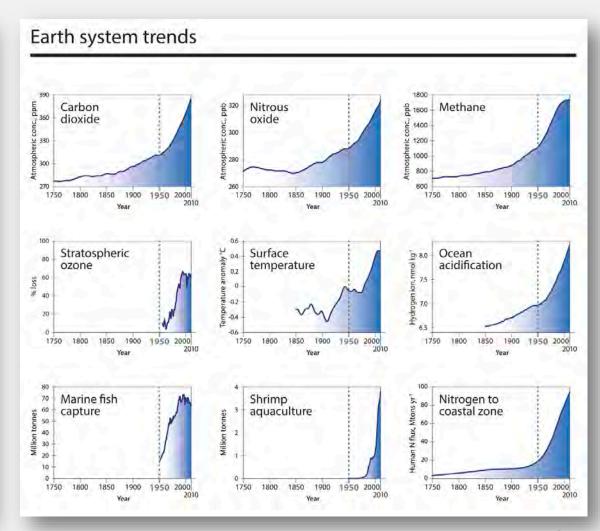






The Great Acceleration - climbing up and up, but until when?









... all at the expense of the planet.



Unchecked climatechange related impacts could cause 250,000 more deaths per year

By 2050, over 40% of world's population could be under



Soil degradation leading to loss of 1-2 million hectares of agricultural land per year



Biodiversity loss threatens humanity





Damaging the planet damages human health.



Millions at risk of under-nutrition





10 million children stunted from climate change-related impacts

\$30 billion health costs due to climate change UR MUMBER ONE SOURCE FOR HEADLINES UNEMPLOYMENT AGAIN THIS QUARTER





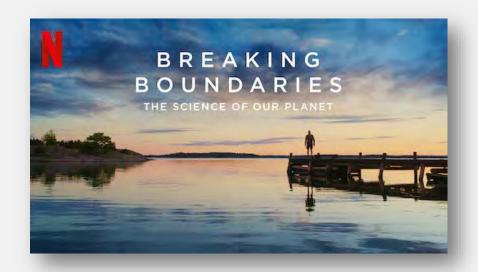




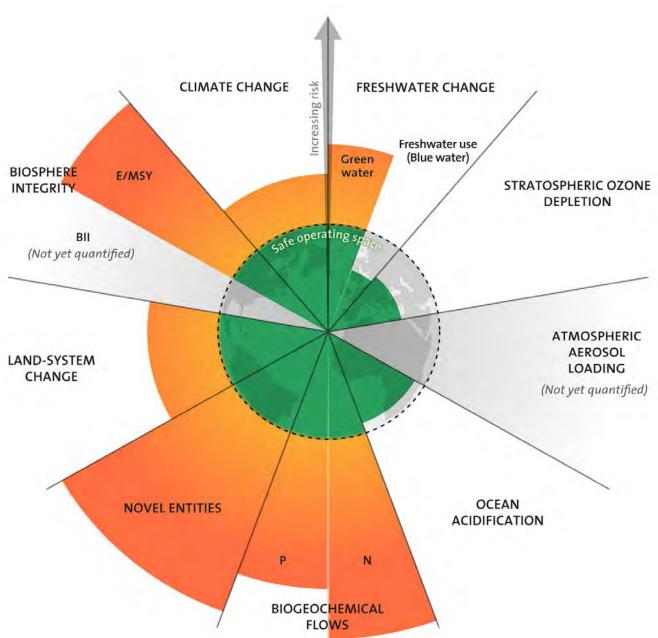


Protecting planetary boundaries

6 out of 9 have been breached



(Stockholm Resilience Centre, 2022)









The Rockefeller Foundation–*Lancet* Commission on planetary health

Safeguarding human health in the Anthropocene epoch: report of The Rockefeller Foundation–*Lancet* Commission on planetary health



PLANETARY HEALTH

"the health of human civilization and the state of the natural systems on which it depends"

Lancet-Rockefeller Commission, 2015

"the international and interdisciplinary field focused on characterizing and addressing the human health impacts of global environmental change"

Planetary Health Alliance, 2019



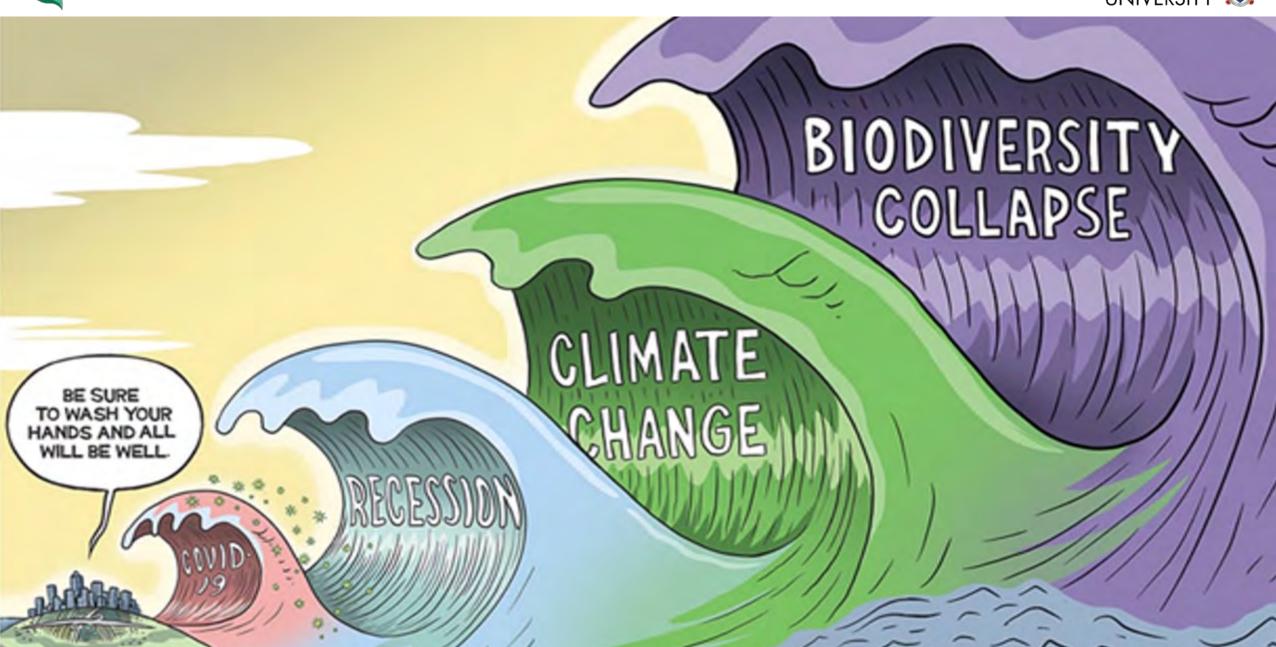


Planetary health is a solutions-oriented approach focused on tackling humanity's actions that affect the natural systems so that both people and planet can thrive.

To advance humanity's wellbeing, the declining state of planet Earth can no longer be ignored.











Planetary health is key to preventing infectious diseases.





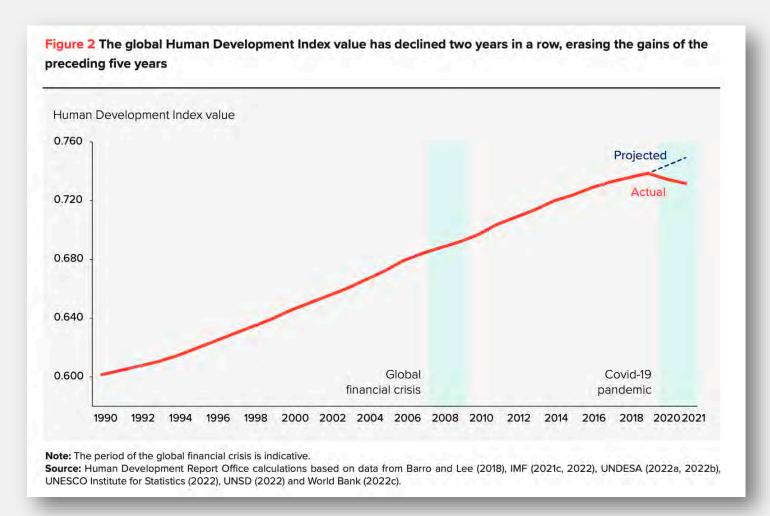






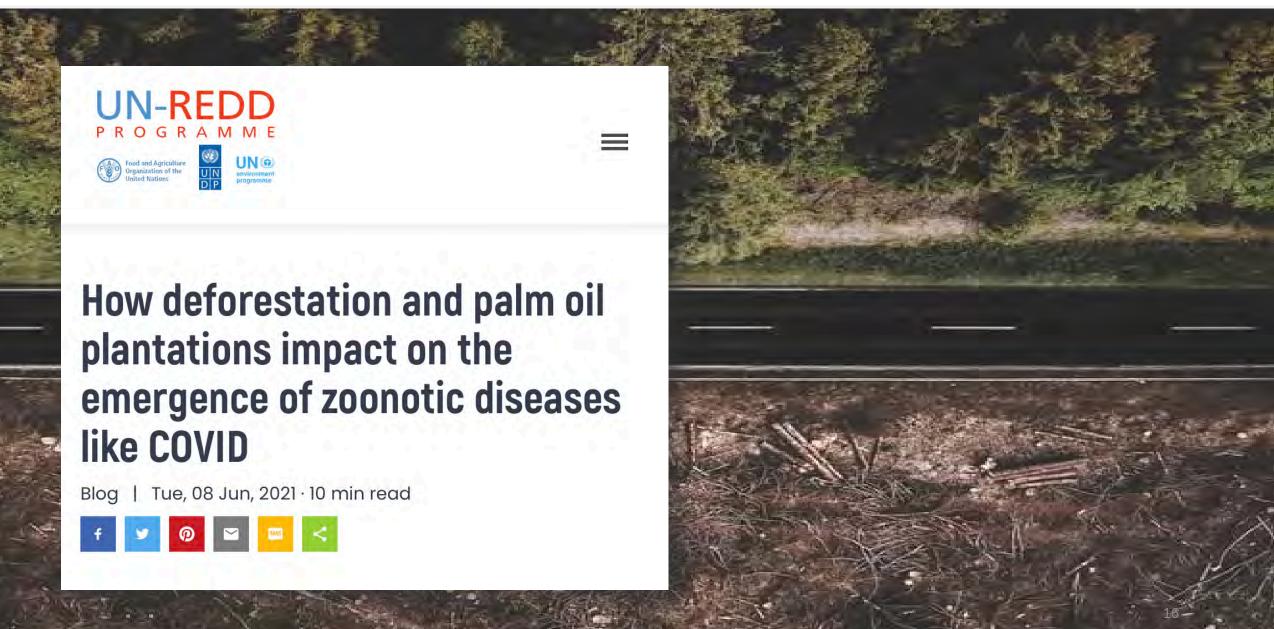
The past 2 years have erased the gains of the 5 years prior.

















Did palm oil expansion play a role in the Ebola crisis?

by Emmanuel K. Urey on 14 January 2015



















ORIGINAL RESEARCH



Pollination by the locally endangered island flying fox (*Pteropus hypomelanus*) enhances fruit production of the economically important durian (*Durio zibethinus*)

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Sheema A. Aziz<sup>1,2,3,4</sup> | Gopalasamy R. Clements<sup>1,5,6</sup> | Kim R. McConkey<sup>3,7</sup> | Tuanjit Sritongchuay<sup>8</sup> | Saifful Pathil<sup>9</sup> | Muhammad Nur Hafizi Abu Yazid<sup>9</sup> | Ahimsa Campos-Arceiz<sup>3</sup> | Pierre-Michel Forget<sup>2</sup> | Sara Bumrungsri<sup>8</sup>
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The condition of palm oil workers amidst Covid-19 pandemic

by TPOLS | Sep 2, 2020 | Labour, Migrant Workers, News Update

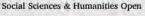


Summary of Discussion

such Sciences # Humaniton Coma 2 (2000) 100073



Contents lists available at Sourcettano





10.0

The outbreak of Covid-19 in Malaysia: Pushing migrant workers at the margin

Andika Wahab

Section of Malaysian and Marrowavell Scadin (SEMAS). The Statural Entertray of Malaysia (SEM). Malaysia

ARRICLE INFO

COVID-19 Migrant workers Irregular workers

BSTRACT

Experience in other countries such as Singapor and the Gulf countries have traught as that precisions living conditions and poor access to Irelate cere have controlled application by expell resonations (OCUNE)-19. National policy, and measures to Batten the turn of the pondernic require significant consideration of locate placing mixture stockers, including failility their batte meets, guaranteeing their suitare said spidling that some accommodation and immunitary conditions, with poor access to inclinater, a further associated by the lack of protein princetion. The implementation of various phases of Maliyasia Movement Control Orders (MCO) and the way the government addresses the situation facing argument workers have significant segatives consequences on their advantage peccurious living and working conditions. This intelligent segatives of positions reasons, investigating existing secondary sources with a view to generate initial findings for further to-leight research. It is study set with sevine allowed and the significance and the significance segatives are significant experiences of the providers of the providers of the significance of the providers of t

1. Introduction

World Health Organization (WHG. 2020) declared that older people (69) years and above; are all agraties risk of severe disease following the infection from CarcuarVinz Disease 2019 (shortly known as COVID-19). In many receiving constries, migrant voukers fent of be promper than the local population (Mugre ind., 2020). In Singapore, for example, only those aged below 659 years will be allowed to work as integrant workers age the two and a singapore of the country. Similarly, in Maliyata, only migrant workers aged between 14 and 45 years old will be given a working promit two wirk in its selected sectors of the economy (Lic., manufacturing, construction, services, polination, agriculture and domestic work). This, however, does not translate into an understanding that migrant workers are more immune than the local population.

In many countries that receive million of migrant workers, migrant population services at the epicetane of the pandemic For issuance, while earlier COVID-19 cases among citizen of Xinvaid, Valmed Arab Emirates (UAE) and Bahrani ran in the single digits in early May 2020, focusands of migrant workers were still till and locked down. In Singapore, as of the end of May 2020, the vast majority of 30,000 infected persons were among migrant workers largely living in employee-sponned to

domitories.

Existing reports and studies indicate that poor living and working conditions, including campade workers' domaintoires and unsative conditions, had led to the regid transmission of infection of COVID-19 among migrant workers (Wood, 6ase, 2070). In these situations, it is hardly that social distancing and good hygiene are practiced among the workers. Prior to COVID-19 outbreak, many migrant workers were already facing poor access to healthcare, tofteding lack of access to health insurance, ediministrative hundles and lunguage barriers.

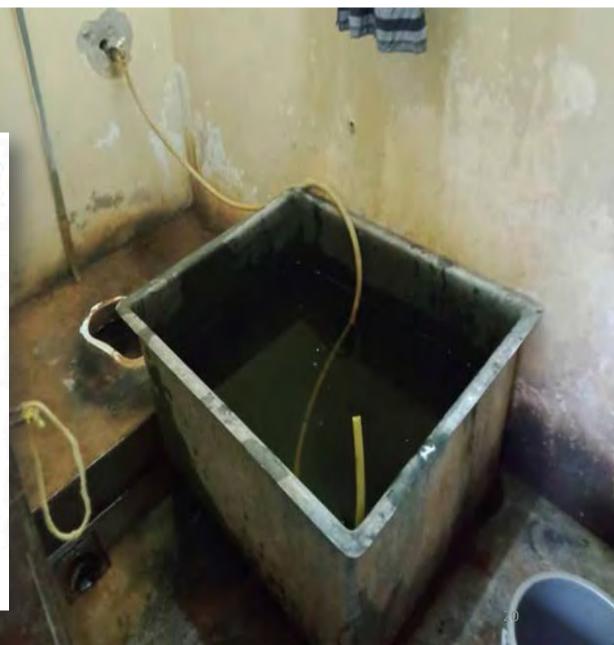
One obvious leason can be drawn from these countries is that migrant workers often left behind and excluded from policy development and national actions in times of crisis such as COVID-19 outlreak. They tend to view migrant workers as a separate community living temporarily, and hence serving no straigeje interest to the country. Experiences from these countries (i.e., Singapore and the Guil countries) have cantioned us on the dangers of leaving migrant workers behind. Malaysia is hooting more than two million migrant workers in the country. The question to ask is also we learn from what happened in these countries? How did we respond to issues and many forms of vielnerability facing migrant workers? And importantly will Malaysia face the same fate if it continuously excludes migrant workers for the pandensity? This

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time://do.org/10/1010/j.mbiv.2020/100075

Received 22 June 2020; Received in revised form 4 October 2020; Accepted 34 October 2020

Available online 24 October 2020
2590-2911/O 2020 The Austor(s). Published by Elsevier Ltd. This is an open access article coder the CCBY-NC-ND invited (http://www.



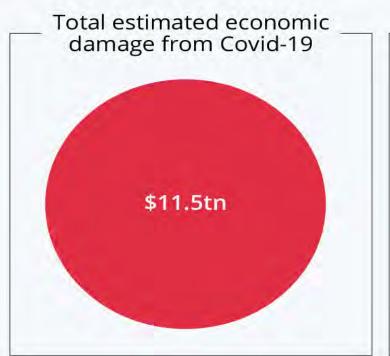






Cost of Preventing The Next Pandemic Just 2% Of Covid-19 Bill

Estimated cost of containing future pandemic compared to Covid-19's economic damage



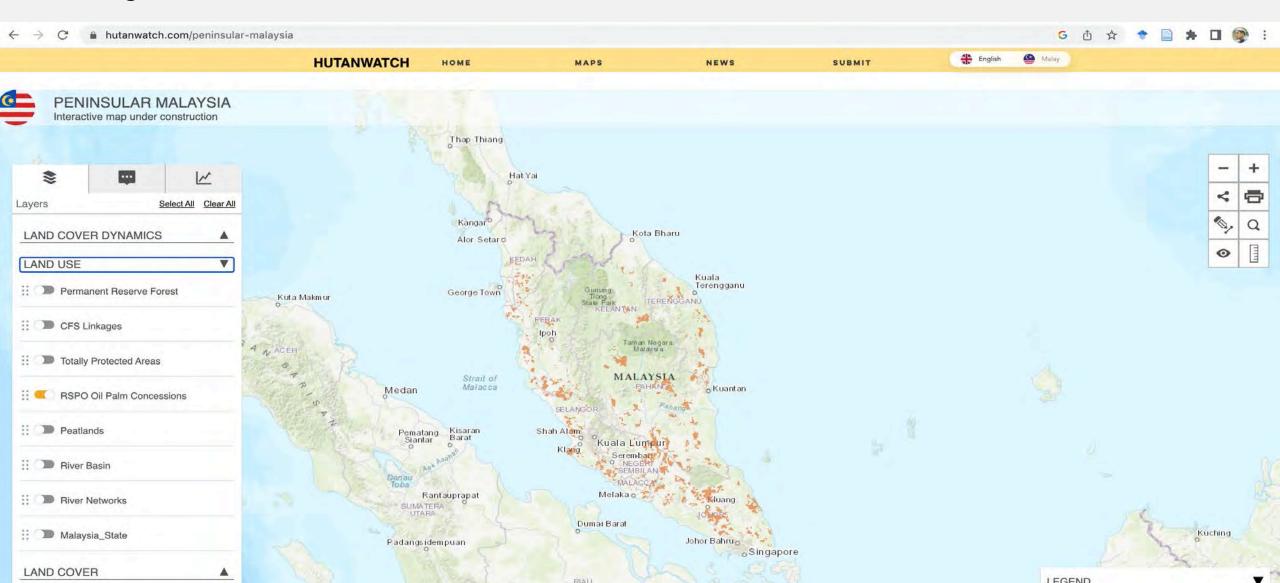
Estimated spending needed over the next 10 years to prevent a future pandemic

\$260b





Great job! But...









METHANE (CH₄)

SOURCES

Methane is one of the fastest growing greenhouse gases in the atmosphere. Human activity causes 2/3 of emissions.



We = global emissions

IMPACTS

CLIMATE

Responsible for 40% of warming since the industrial revolution

times more powerful than carbon dioxide over a 20 year period

AGRICULTURE & ECOSYSTEMS



Increasing emissions are driving a rise in HEALTH tropospheric ozone air pollution, which causes 1+ million premature deaths annually. Methane is responsible for



Respiratory diseases

Heart disease

Damaged airways and lung tissue

LIFETIME IN ATMOSPHERE: 12 YEARS

Since methane does not last long in the atmosphere, efforts to reduce it will bring immediate benefits for the climate and human health.









THE LANCET Planetary Health

ARTICLES | VOLUME 3, ISSUE 4, E166-E178, APRIL 01, 2019

Global, national, and urban burdens of paediatric asthma incidence attributable to ambient NO₂ pollution: estimates from global datasets

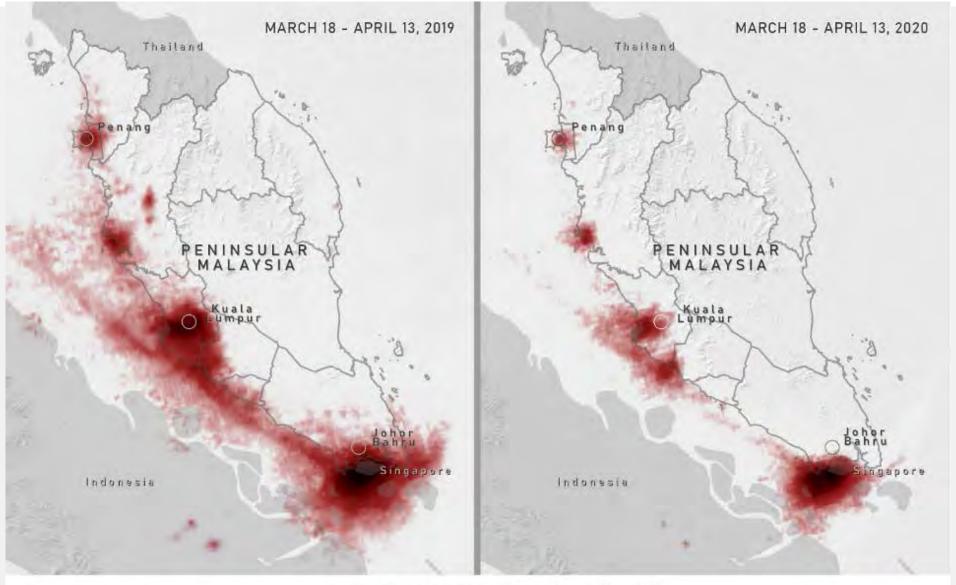
Pattanun Achakulwisut, PhD • Prof Michael Brauer, ScD • Perry Hystad, PhD • Susan C Anenberg, PhD 😕 🖂

Open Access • Published: April 10, 2019 • DOI: https://doi.org/10.1016/S2542-5196(19)30046-4 •









50 100

Data: Copernicus Sentinet-5P 19/20

200 km

100

200





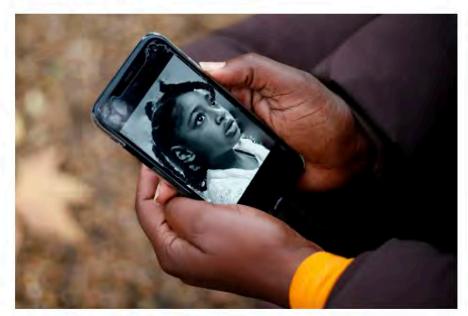
In Landmark Ruling, Air Pollution Recorded as a Cause of Death for British Girl

Legal and environmental experts hailed a coroner's ruling that, for the first time in Britain, directly linked a specific person's death to air pollution.









Ella Adoo-Kissi-Debrah in a photo shown by her mother, Rosamund. Hollie Adams/Agence France-Presse — Getty Images

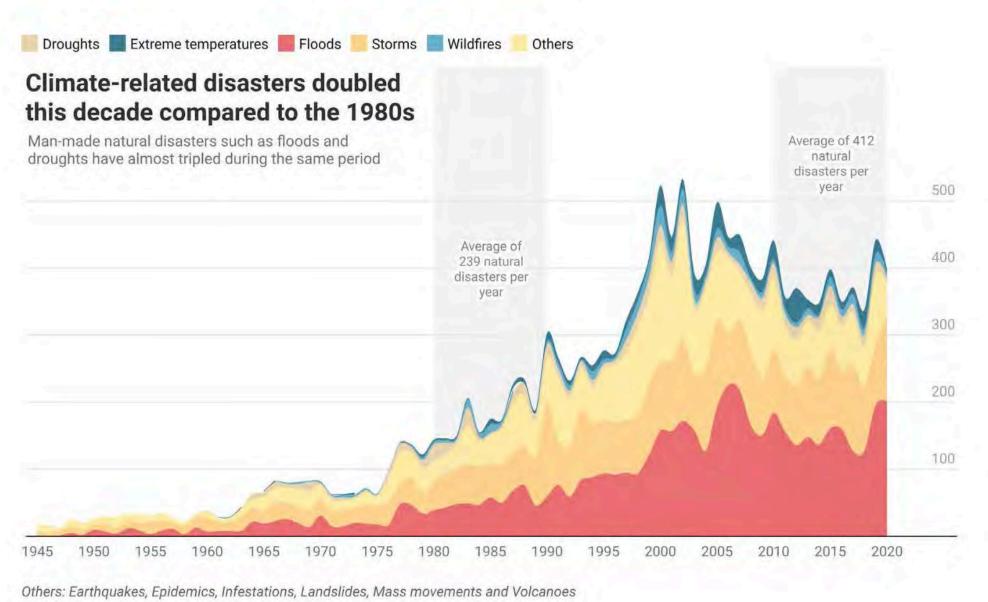






Chart: Global Humanitarian Overview 2022 • Source: WTO/CRED

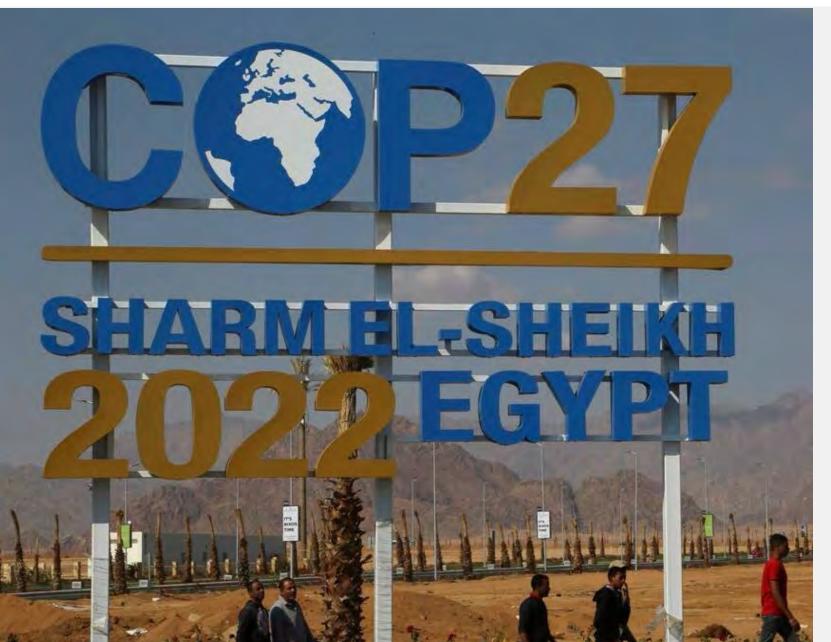












Loss and Damage Fund

Transformation of the global financial system

Clean, healthy and sustainable environment as a human right





Moving Forward

Beyond doom-and-gloom to pragmatic approaches





Create solutions.









Mongabay Series: Carbon Offset Markets

Carbon offsets: A key tool for climate action, or a license to emit?

by Ian Morse on 4 November 2022













 $\equiv Q$





COP 27

Explained: Carbon offsetting, and why we can no longer ignore it

Nov 1, 2022







Collaborate.







PRIORITY THEMES









PREVENTING THE NEXT PANDEMIC

Covid-19 was a wake-up call that pandemics, infectious disease outbreaks and other illnesses are a result of human behaviour driving unintended change.

TACKLING THE CLIMATE EMERGENCY

The climate crisis is driven by human behaviour, economic activity and endless GDP growth. Heat, floods, erratic weather and related disasters confirm that the planet cannot sustainably support this growth-based model.

CREATING HEALTHY CITIES

Cities face specific challenges on air, water and pollution, health risks, waste and energy management, all exacerbated by rising inequity and urbanisation.

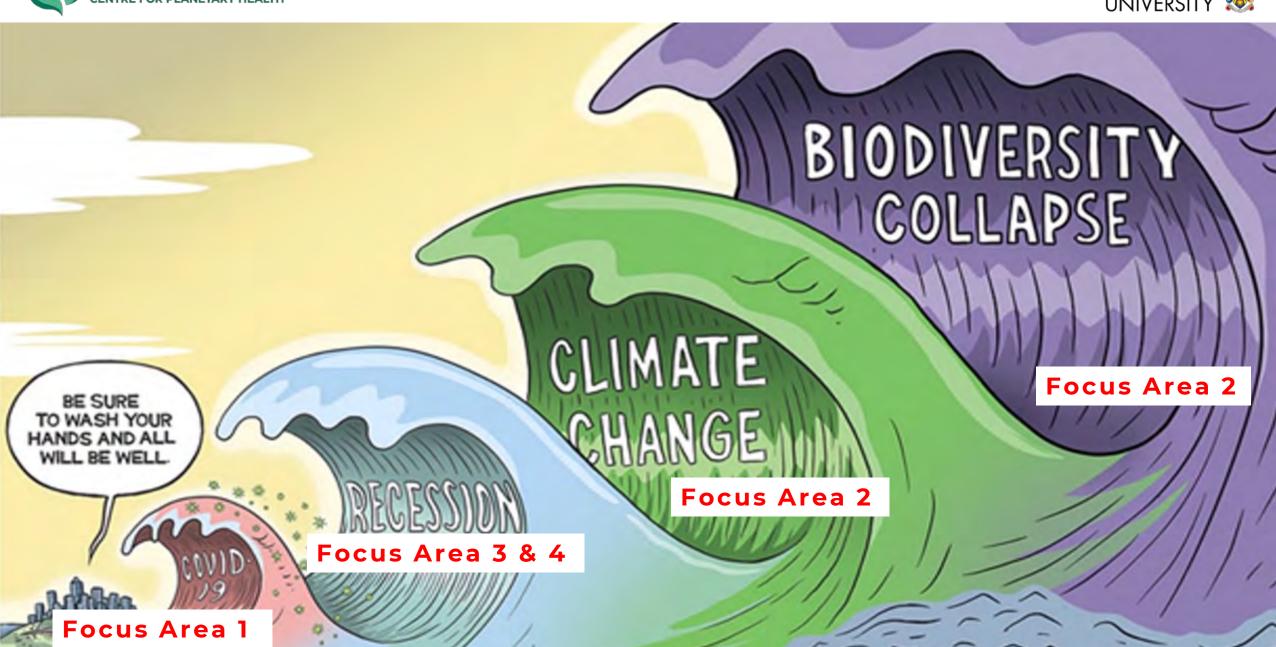
ACHIEVING SUSTAINABLE FOOD SYSTEMS

Global food systems and extractive and wasteful. Our relationship with the natural world and current means of food production and consumption must change

Underpinned by <u>communications</u>, <u>effective planetary health governance</u>, and a <u>planetary health education revolution</u>.



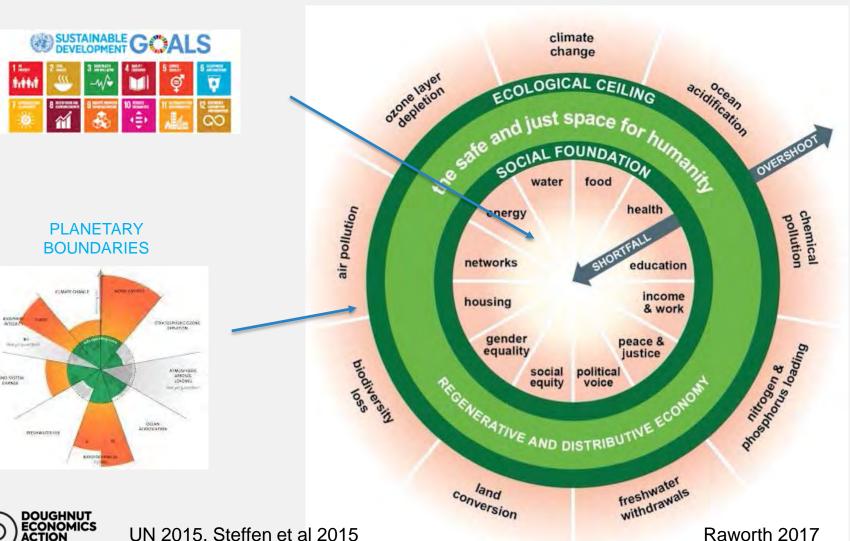


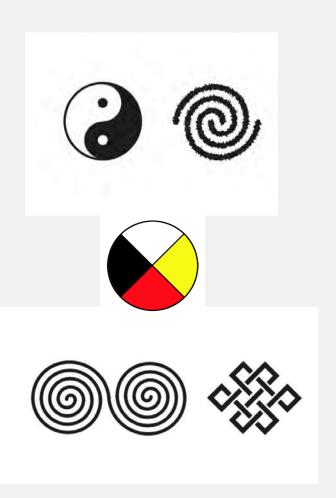






A compass for human prosperity











Pilot project: A doughnut economy In Ipoh

Social Foundation

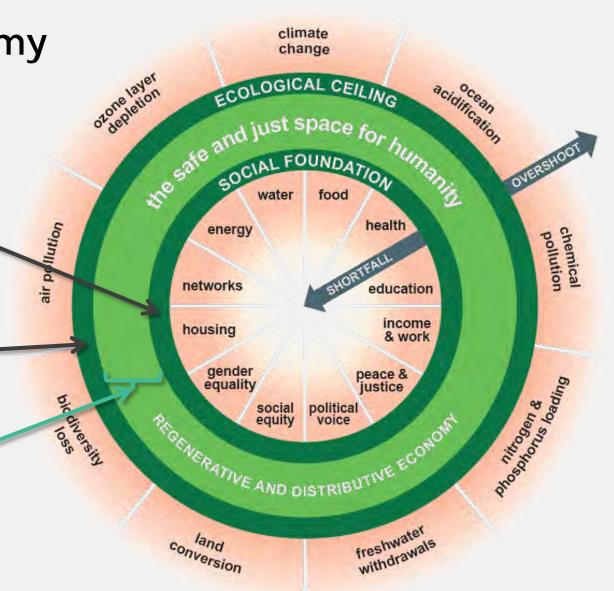
The minimum level of social progress where every person's basic needs are met

Ecological Ceiling

The boundaries of sustainable consumption of our planet's resources

Living within the Doughnut

A thriving society within a sustainable environment







Model Ekonomi Donat



Pengukuran Perak Sejahtera 2030 berteraskan Model Ekonomi Donat

Nota:

Pendekatan kerangka fikir ekonomi donut berteraskan ekonomi kitaran ke arah menjayakan Perak Sejahtera 2030, di mana keseimbangan ekonomi, sosial dan alam sekitar dititikberatkan.

Tema Keberhasilan Perak Sejahtera 2030 Social Foundation

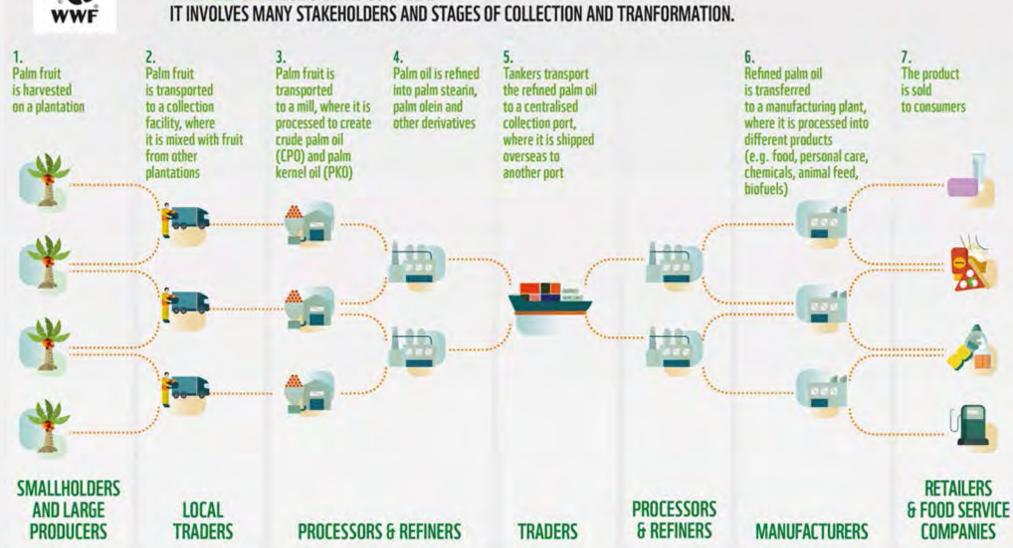
- 1 Keselamatan Awam (19)
- 2 Perumahan (8)
- 3 Asas Kemasyarakatan (29)
- 4 Pendidikan (10)
- 5 Alam Sekitar dan Amalan Teknologi Hijau (28)
- 6 Prasarana (232)
- 7 Seni Budaya dan Warisan (18)
- 8 Belia (1)
- 9 Wanita (1)
- 10 Keluarga (4)
- 11 Warga Tua (11)
- 12 Orang Kurang Upaya (1)
- 13 Penduduk (36)
- 14 Industri Utama (15)
- 15 Keusahawanan (19)
- 16 Sumber Manusia (1)
- 17 Pelaburan Domestik dan Luar Negara (8)
- Agihan Kekayaan, Kumpulan Pendapatan dan
 - Kemiskinan (6)
- 19 Tadbir Urus Kerajaan (35)
- 20 Perpaduan Nasional (1)
- 21 Kepimpinan (0)



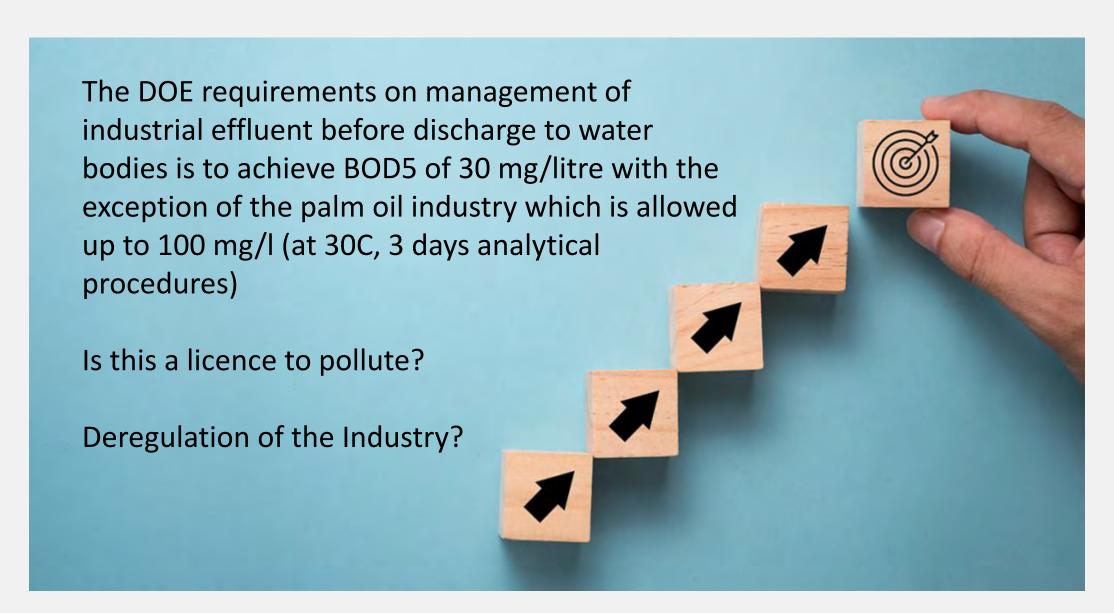




THE PALM OIL VALUE CHAIN IS COMPLEX:



Compliance - raise the bar!







KUALA KOH BATEKS, CHINLOY (2ND LEFT) AND FAMILY 2008. IMAGE CREDIT: EDITH MIRANTE

Death amid oil palms: Malaysia's Batek Orang Asli health crisis





Communicate, not spin and greenwash.





Over the years, the palm oil industry has been subjected to constant "public relation (PR) attacks" resulting in bad publicity in the global perspective, and hence degradation of demand of palm oil-based products. -File pic









Certification makes palm oil pricier, so why aren't producers benefiting from it?

If all the actors in the supply chain were treated fairly, consumers would barely notice the premium for sustainable palm oil products. Multinationals could play a much bigger role.









'Meaningless certification': Study makes the case against 'sustainable' palm oil

Hans Nicholas Jong

2 years ago





EU Regulation on Imported Deforestation: Time to Consider Sustainable Production for Palm Oil

Inside Climate News



Science

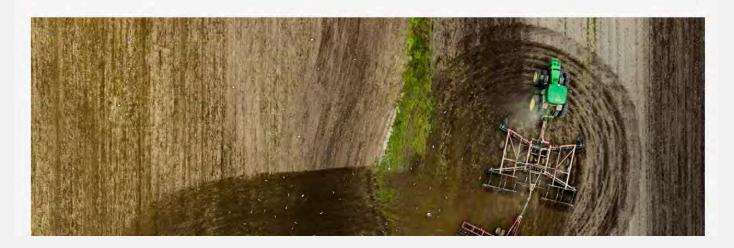
UN Report Says Humanity Has Altered 70 Percent of the Earth's Land, Putting the Planet on a 'Crisis Footing'

Agriculture is the biggest degrader of land, the authors say.

Transforming farming practices could restore billions of acres by 2050 for less than is spent on developed-world farm subsidies.



By Georgina Gustin
April 27, 2022





When enough people come together, then change will come, and we can achieve anything. So, instead of looking for hope - start creating it.