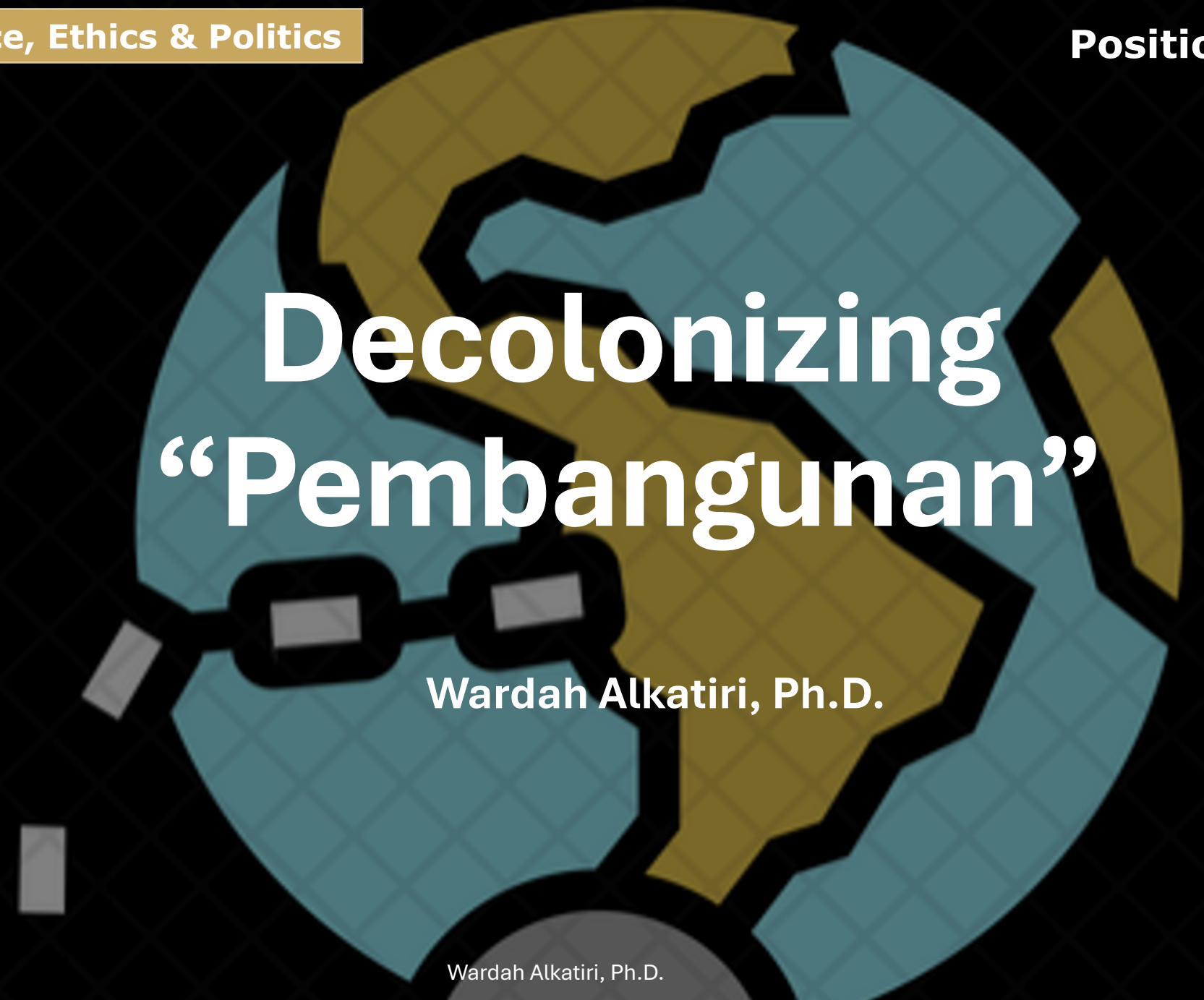


A stylized globe with blue oceans and olive green continents, set against a dark background with a subtle diamond grid. A thick black chain with rectangular links is draped across the globe, starting from the bottom left and looping around the center. The title text is overlaid on the globe.

Decolonizing “Pembangunan”

Wardah Alkatiri, Ph.D.

INDONESIA

- **Tingkat DEFORESTASI tertinggi diantara negara2 Tropis**
- **Penghasil IKAN terbesar dunia, ke-2 setelah China, tapi sudah terancam “OVERFISHING” karena unsustainable fishing practices, polusi laut, kerusakan habitat ikan**
- **Menjadi TONG SAMPAH DUNIA !**
- **Pembangunan URBANISASI yang centang perenang**

Dua KURVA yang menunjukkan:

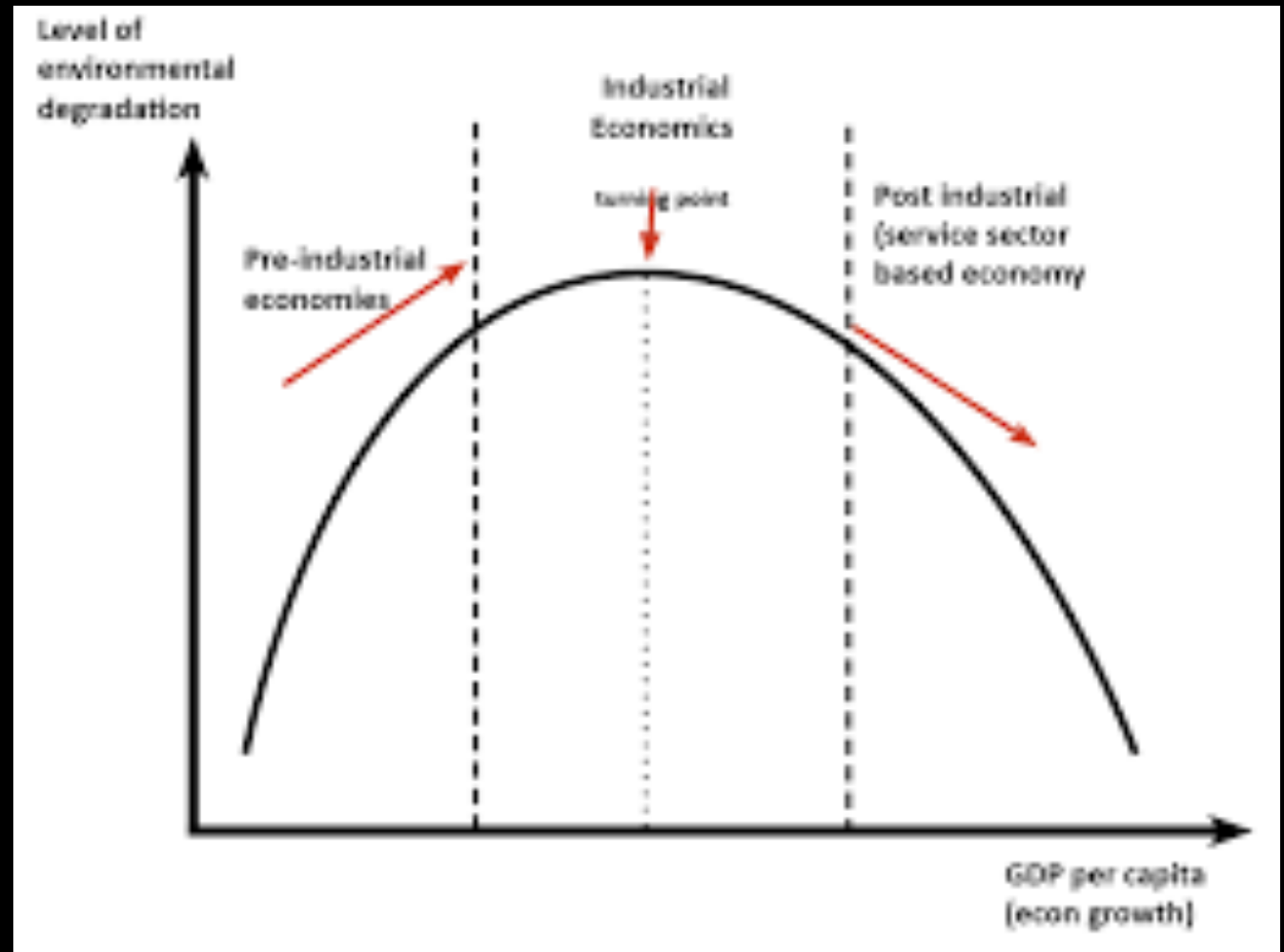
- A. Eksploitasi SDA “Neo-kolonialisme”**
- B. “Kolonialisme Sampah”**

di negara2 Selatan (Global South)

Kuznets Curve

- **TIDAK MUNGKIN BENAR**, pasti hanya benar untuk konteks LOKAL atau Negara

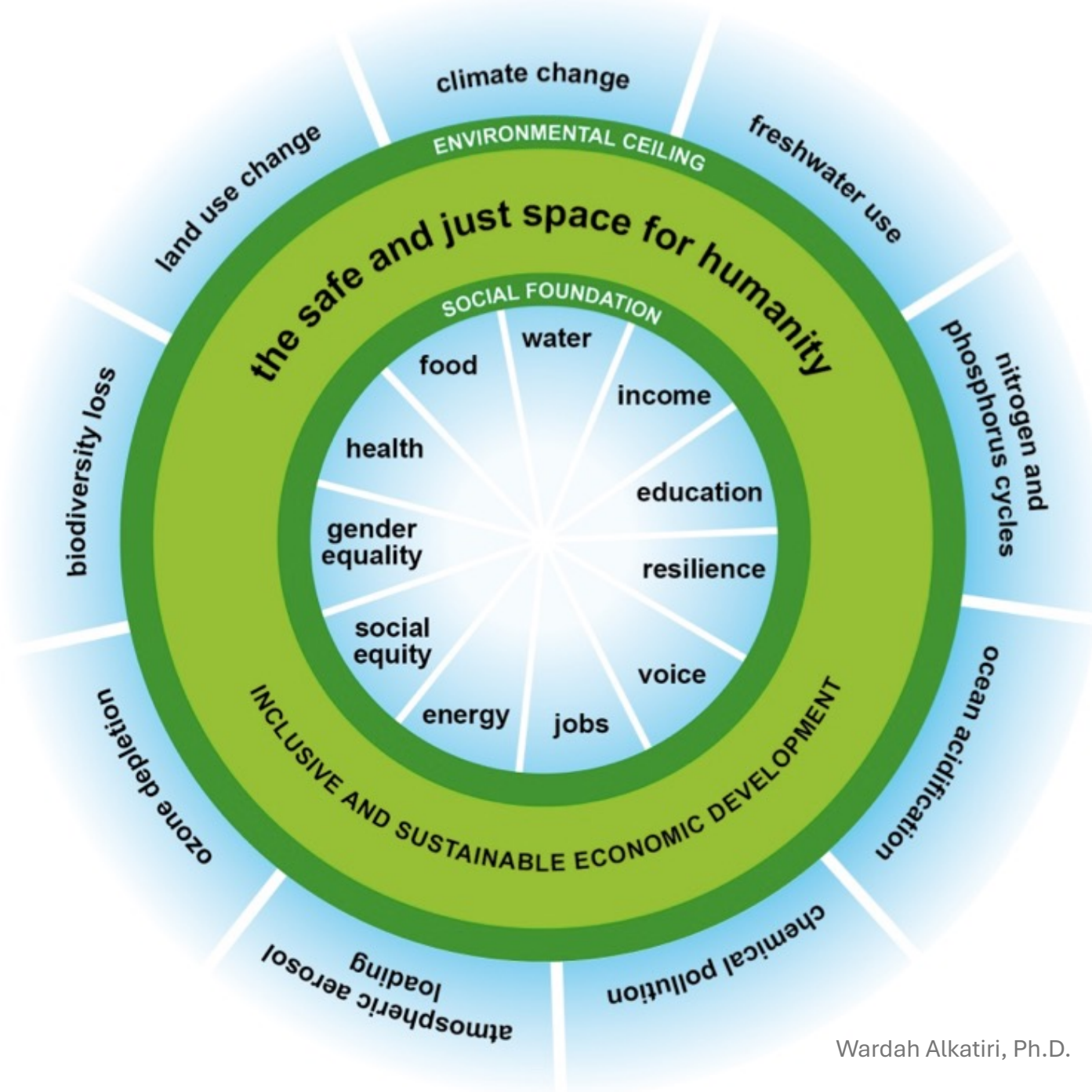
**TERBUKI,
menyembunyikan
“WASTE
COLONIALISM”**



Doughnut framework

Envision a living space that is:

- **Environmentally safe**
- **Socially just**



Wardah Alkatiri, Ph.D.

- **Dark green circles** show the social foundation and ecological ceiling.
- **Blue wedges** show social performance relative to a threshold associated with meeting basic needs. Green wedges show resource use relative to a biophysical boundary associated with sustainability.
- **Red wedges** show shortfalls below the social threshold or overshoot beyond the biophysical boundary.
- **Grey wedges** show indicators with missing data.

WASTE COLONIALISM

“WASTE COLONIALISM”

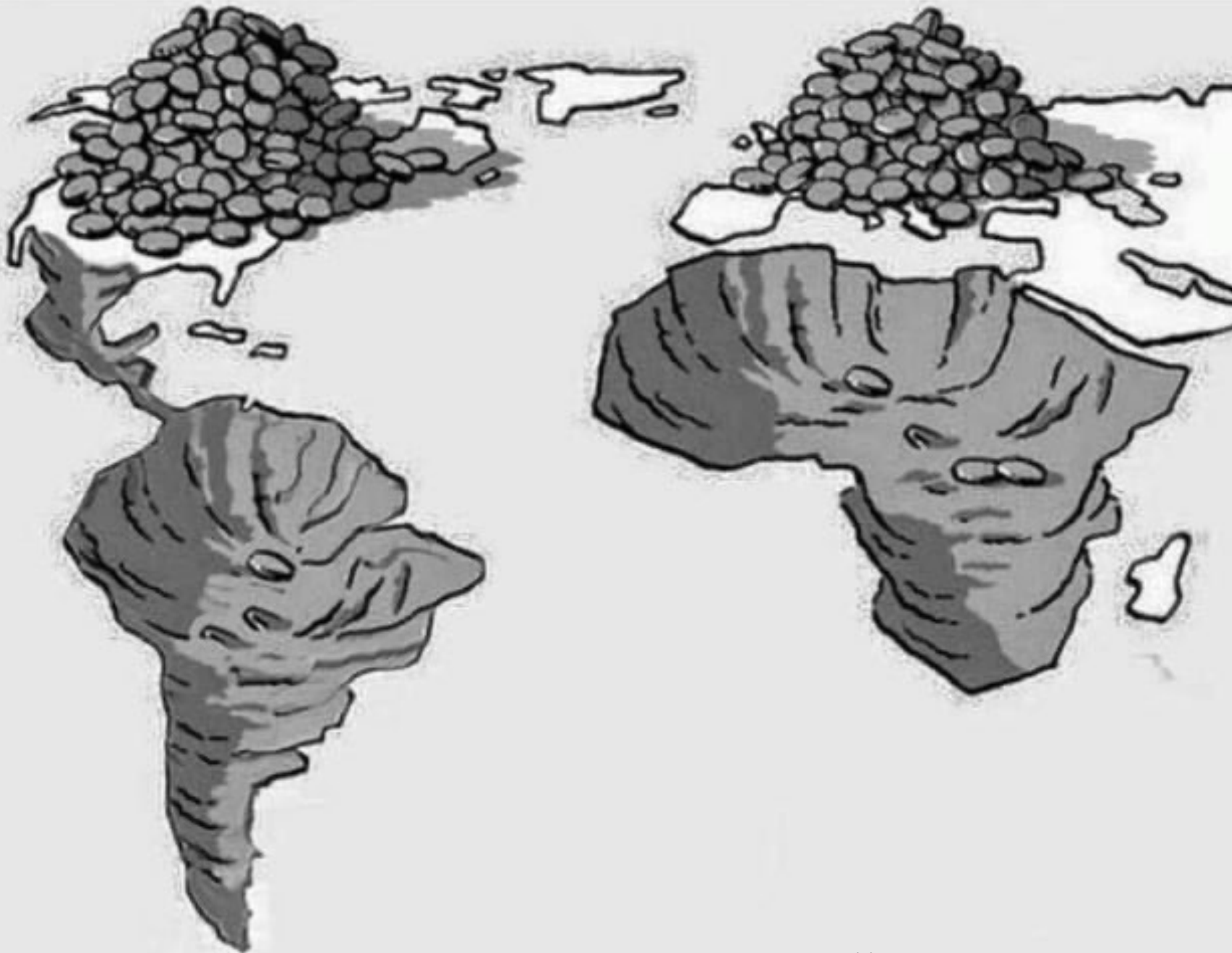
Shifting environmental pollution abroad contributes to lower emissions in democracies

Thomas Bernauer, Tobias Böhmelt , Ella Henninger

Published: May 14, 2025 • <https://doi.org/10.1371/journal.pclm.0000602>

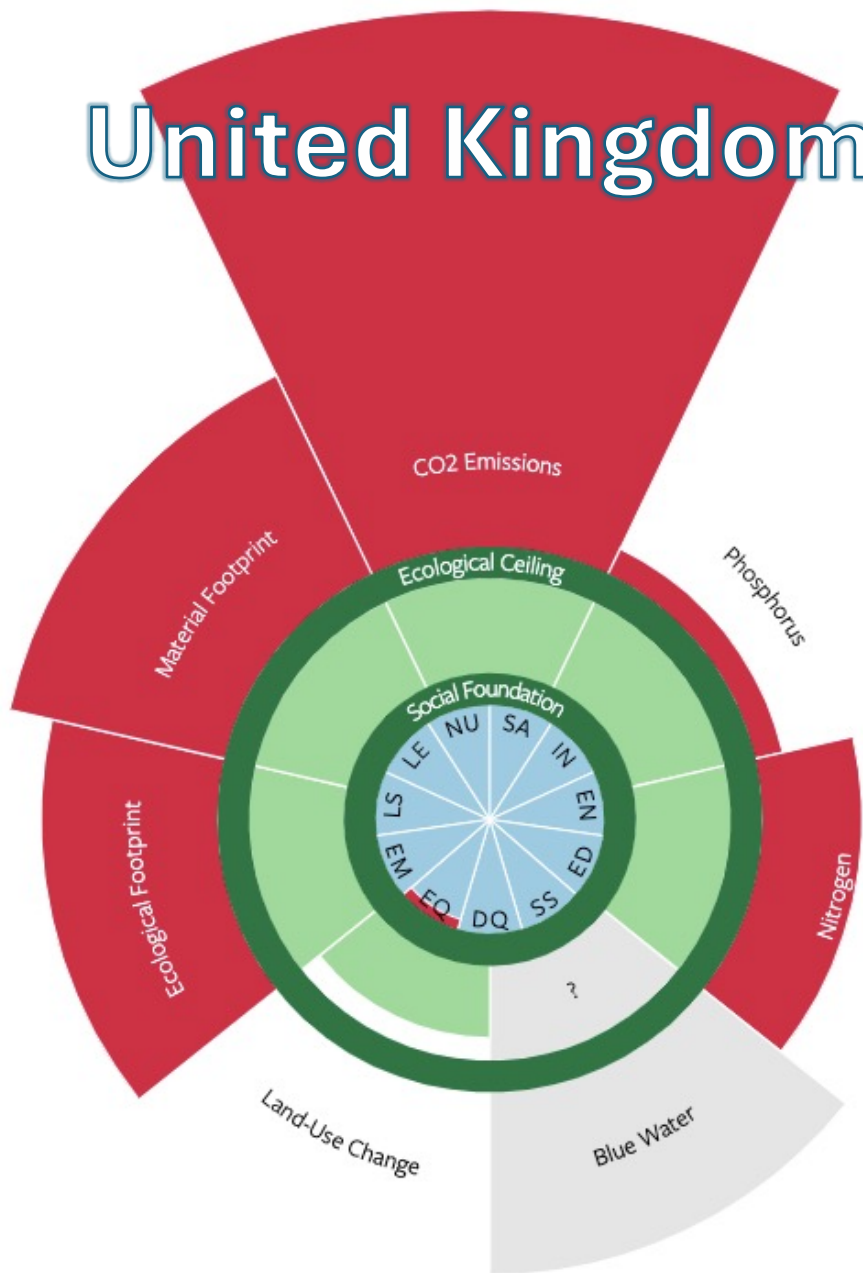
Many studies suggest that **democracies** have, on average, a better environmental protection record than authoritarian states. But this debate is far from resolved. Hence, we take a closer look at an overlooked factor that may shed new light on the ambiguous claims and findings of the **democracy-environment nexus: pollution offshoring**. We hypothesize that democracies can improve their record and become “greener” not only through genuinely domestic environmental protection, but **also through outsourcing environmental impacts of their consumption to other countries**. Analyzing data on greenhouse gas emissions, pollution offshoring, and democracy for more than **160 countries since the 1990s**, we report evidence that the **offshoring of environmental pollution contributes to the superior environmental record of democracies**. The main policy implication is that democracies, *per se*, may not have a better environmental record than autocracies when considering global environmental impacts. This implies that democratic countries, in particular, should re-orient their environmental protection efforts from merely domestic to global environmental consequences of local economic activity.

NEO-COLONIAL exploitation

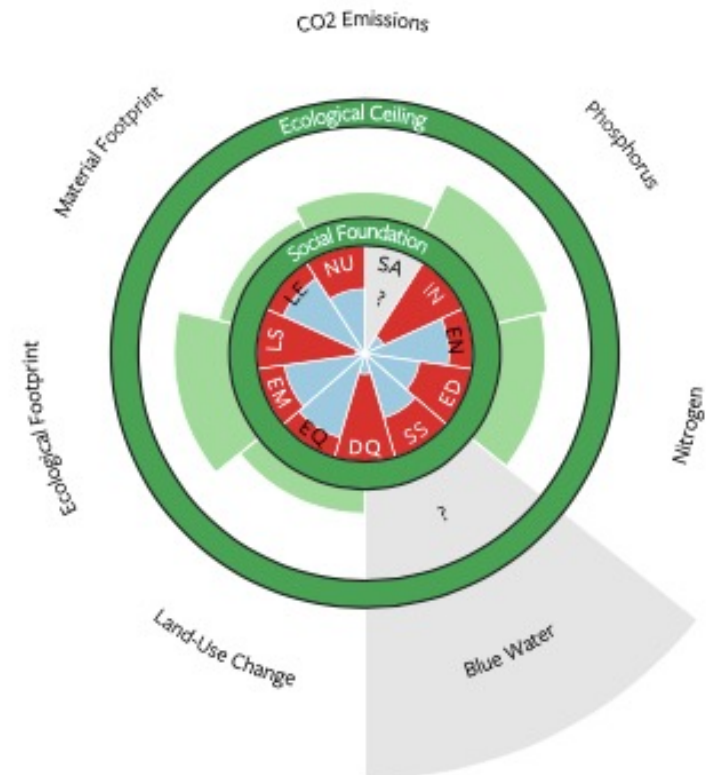


Third World
Countries
are not under-
developed,
they are
over-exploited

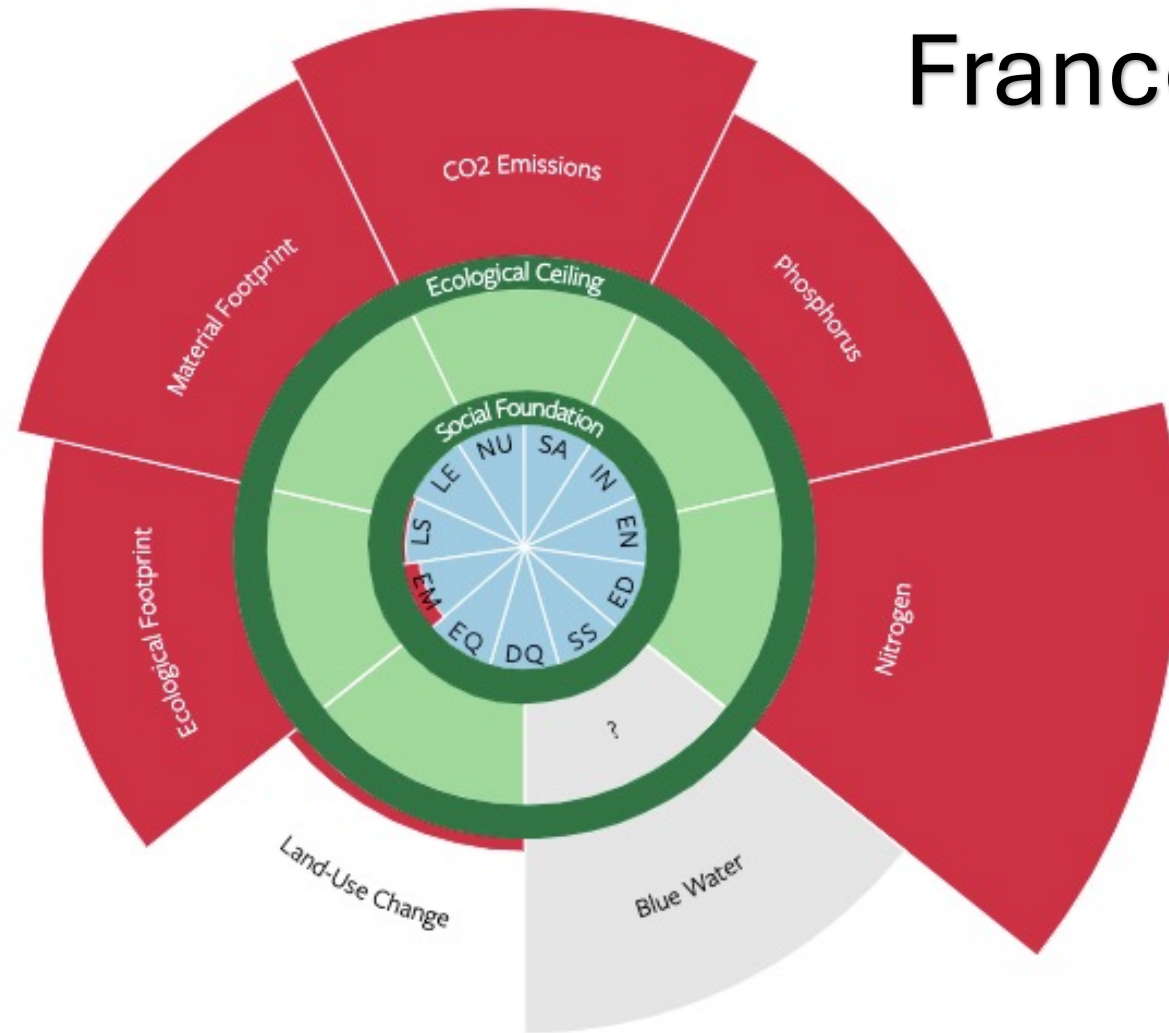
United Kingdom



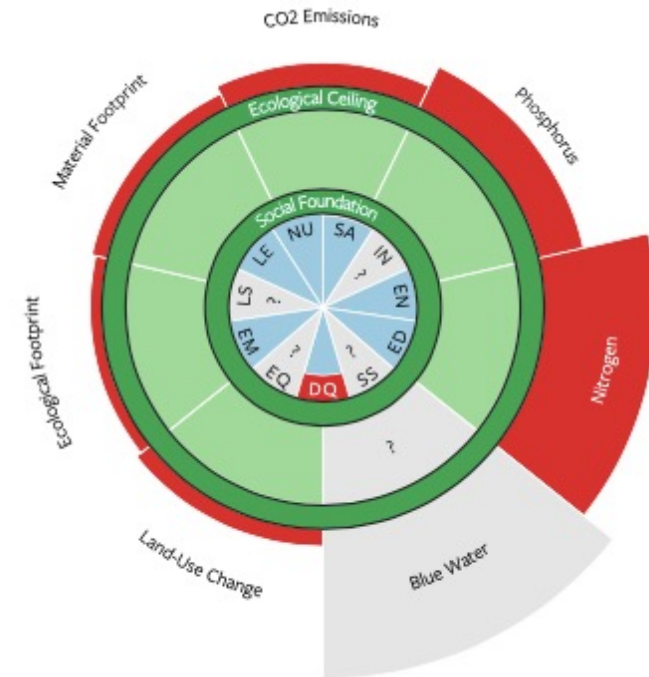
Yemen



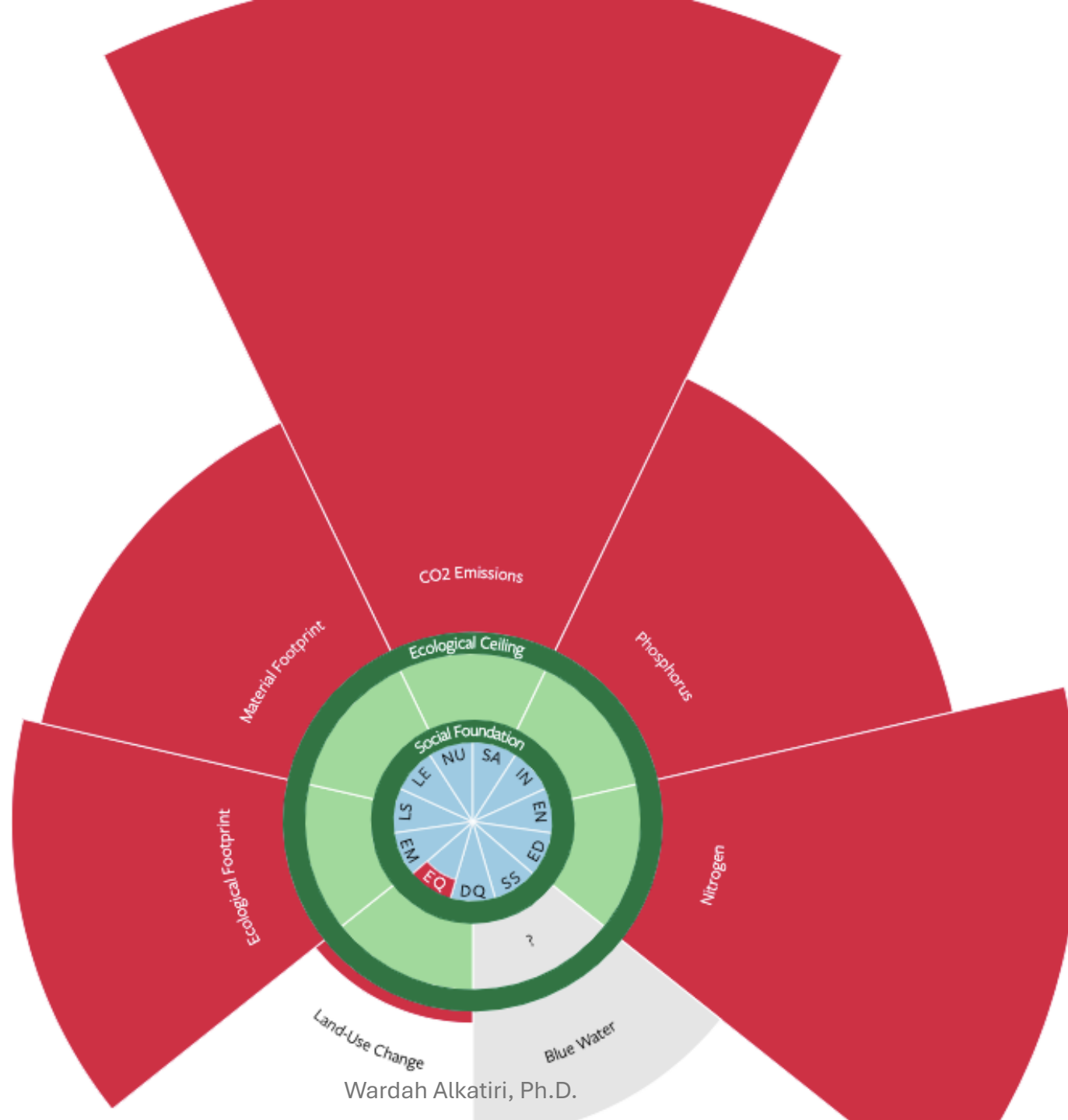
France



Cuba

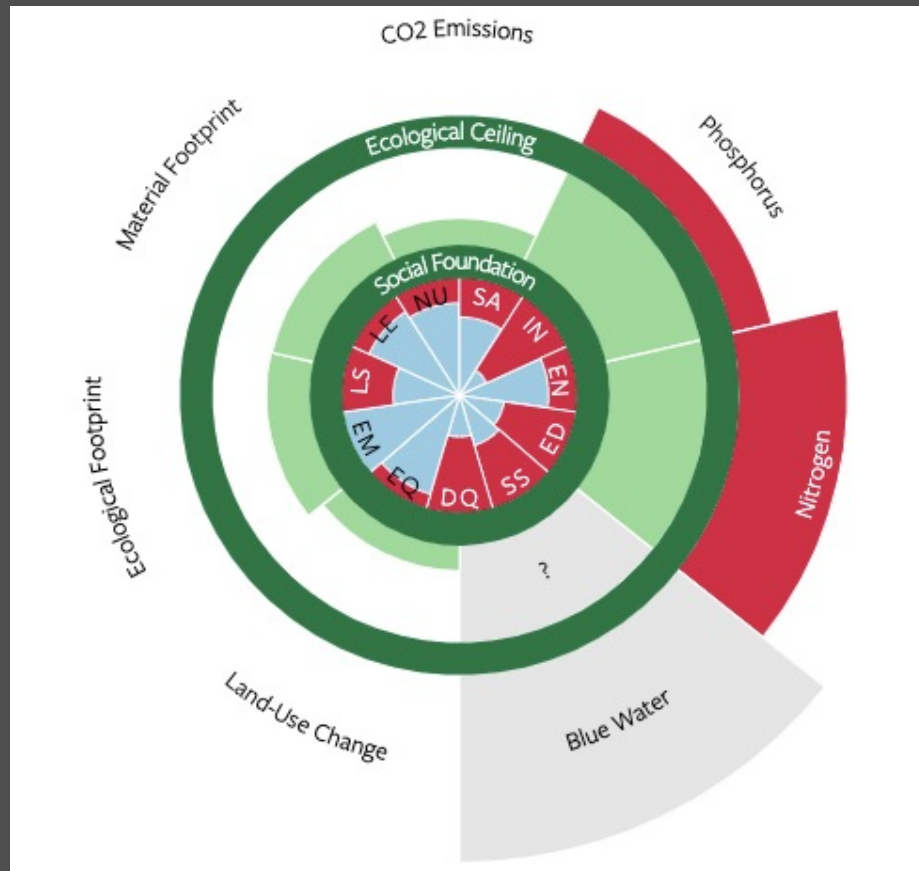


USA



Wardah Alkatiri, Ph.D.

Pakistan



Indonesia



Root
causes :
“Colonization”
over three
pillars:

1. The nature of
economy

2. The nature of
consumption

3. Cultural definition of
‘good life’.

“Modern economics is a system of economics that privileges white, wealthy, Western men”

(Moly Scott Cato, “Green Economics”)

DUA PERUSAK LINGKUNGAN GLOBAL SOUTH

- 1. Paradigma EKONOMI**
- 2. Mainstream EDUCATION**

MAINSTREAM EDUCATION

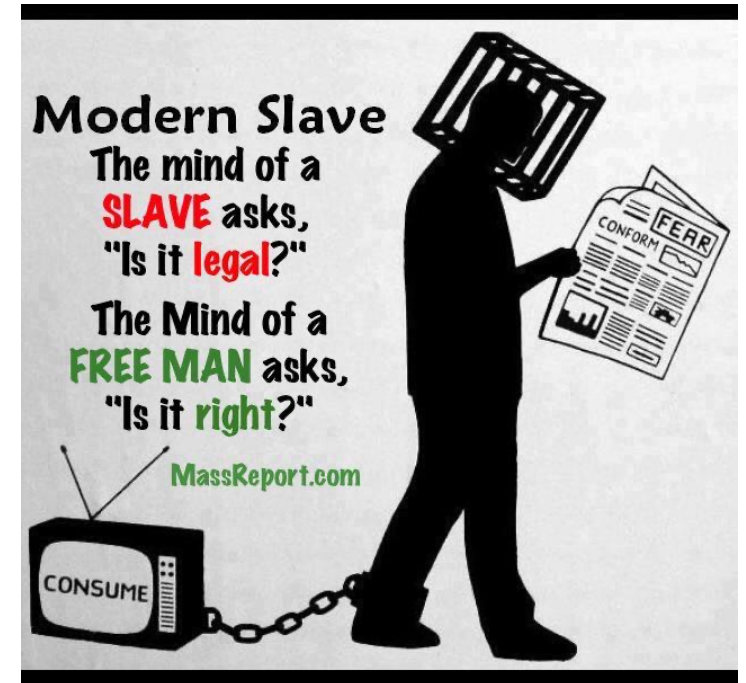
‘double-edge sword’

Hasil Pendidikan kita:

1. Nurturing the Enlightened Minds
2. Settle for political Agendas of “Colonialism” & “Imperialism”

AKIBAT 'KOLONISASI ILMU'

- ▶ TUMPUL
- ▶ PASIF, langsung telan
- ▶ MINDER
- ▶ MENTAL SLAVERY
- ▶ Tidak punya KEBERANIAN mengkritik FILSAFAT & TEORI yang mendasari Modernism, Pembangunan, Ilmu Ekonomi, Ilmu Sosial, ...



“COLONIZED MENTALITY”

‘Blind belief’

Cognitive
Biases

1. “WESTERNISM”

2. “SCIENTISM”

Bretton Wood's
“PEMBANGUNAN”
- myopic

COGNITIVE BIAS

- Logical fallacy stems from an error in a logical argument,
- Cognitive bias is rooted in thought processing errors often arising from problems with memory, attention, attribution, and other mental mistakes.

Learners can be trained to avoid logical fallacies, but cognitive biases are trickier.

MENGAPA HARUS

“SUSTAINABILITY”

Transformation?



The “UN” declared (2022):

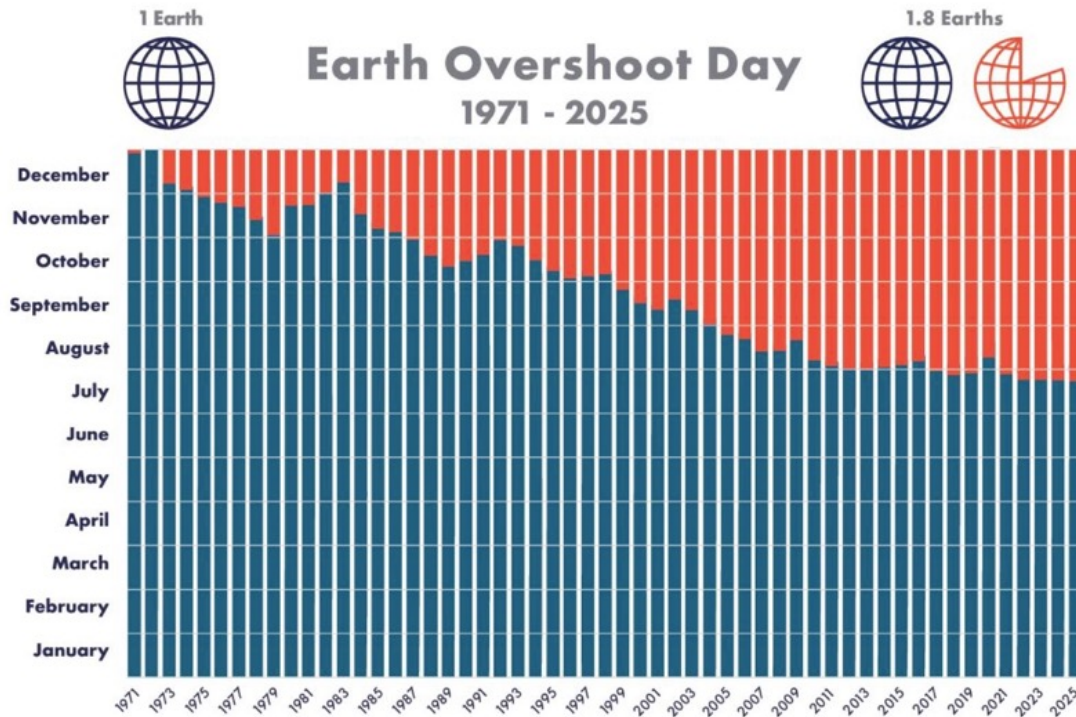
“TRIPLE PLANETARY CRISIS”

- 1. POLLUTION**
- 2. CLIMATE CHANGE**
- 3. BIODIVERSITY LOSS**



Wardah Alkatiri, Ph.D.

Earth “Overshoot”



<https://overshoot.footprintnetwork.org/newsroom/press-release-2025-english/>

How many Earths would we need
if everyone lived like U.S.A. residents?



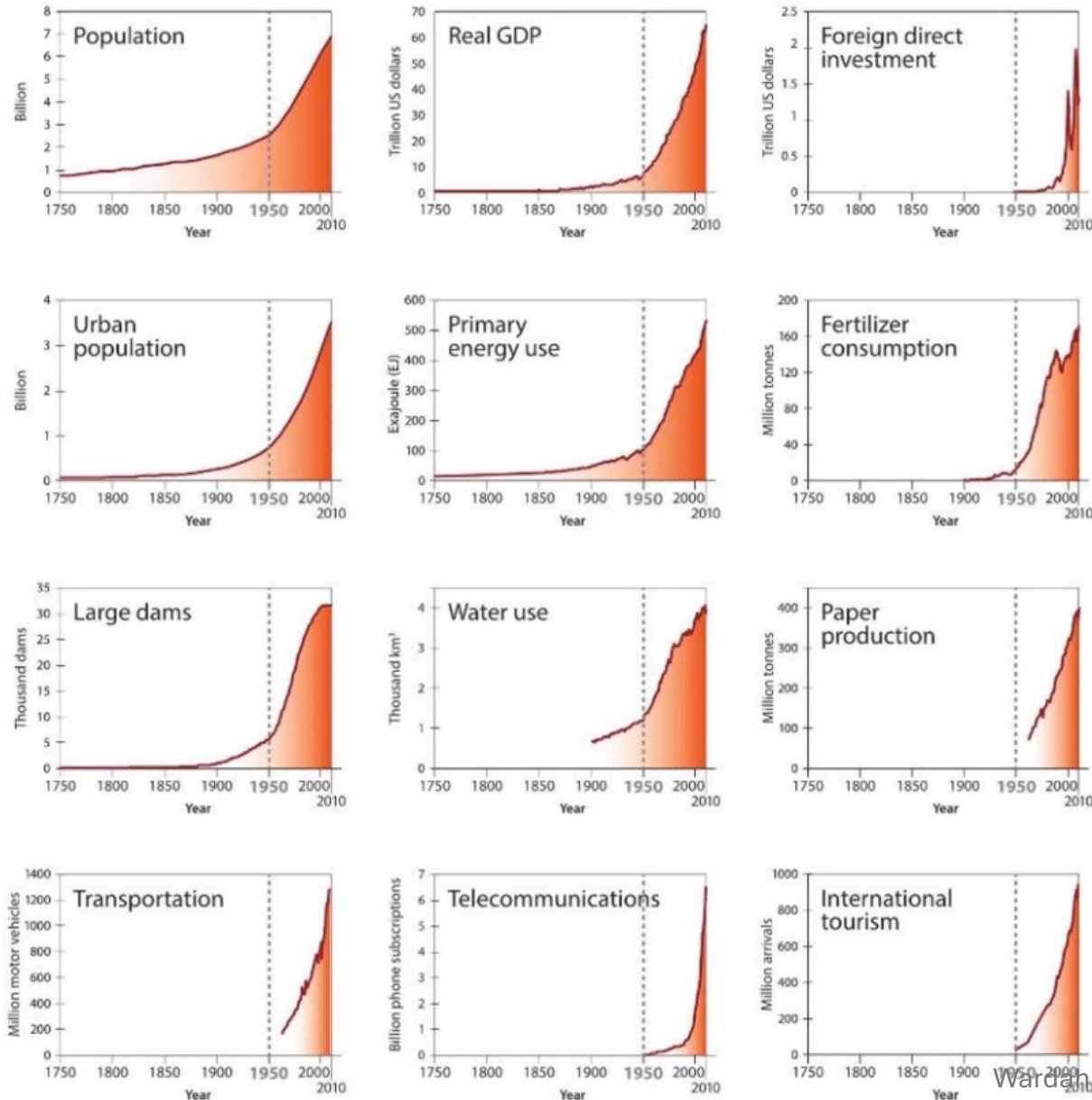
“Anthropocene”



It's a pity we're still officially living in an age called the Holocene. The Anthropocene - human dominance of biological, chemical and geological processes on Earth - is already an undeniable reality.

— *Paul J. Crutzen* —

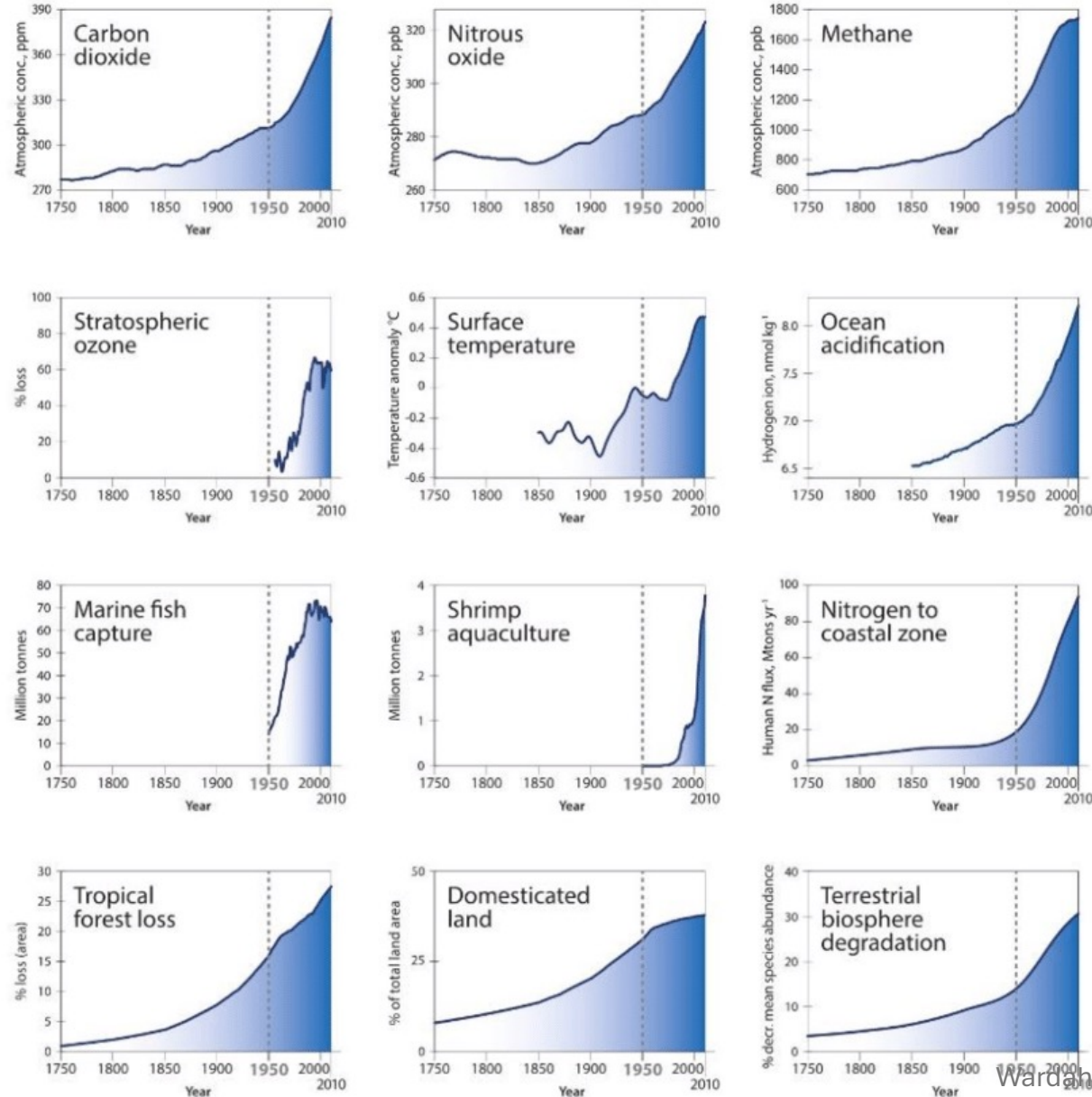
AZ QUOTES



The Great Acceleration

Human Enterprise

- POPULATION
- ECONOMIC GROWTH
- FRESH WATER USE
- ENERGY USE
- URBANIZATION
- GLOBALIZATION
- TRANSPORT
- COMMUNICATION



The Great Acceleration

Impact on Earth System

- Greenhouse Gases
- Ozone depletion
- Climate
- Marine Ecosystems
- Coastal zone
- Nitrogen cycle
- Tropical forests
- Land systems
- Biosphere integrity

A composite image featuring Elon Musk's head and shoulders in a white SpaceX-style rocket suit. He is positioned as if floating in space, with a blue and white Earth-like planet and a bright, fiery rocket launch visible in the background. The image is used as a visual backdrop for a quote and title.

***“The future of humanity is going to bifurcate in two directions: Either it’s going to become multi-planetary, or it’s going to remain confined to one planet, and eventually, there’s going to be an Extinction EVENT””
(Elon Musk)***

Culture

Elon Musk Says We're All Going To Die, So Let's Go To Mars

Wardah Alkatiri, Ph.D.

Hanya ada TIGA pilihan:

1. Membangun 'awareness' dengan mengubah PENDIDIKAN
2. *Que sera sera ...* pasrah menerima inevitable 'Malthusian checks'
3. Pindah ke MARS bersama Elon Musk

PENDIDIKAN untuk “DEKOLONISASI PEMBANGUNAN”

- 1. Sadar akan “Bio-physical limits of the Earth” - “ECO-LITEARCY”**
- 2. Perlu DEKOLONISASI PIKIRAN & HATI**

"SUSTAINABILITY"



Buzzword,
Catch phrase,
Rhetoric?

Greenwashing



Greenwashing

MANIPULATION

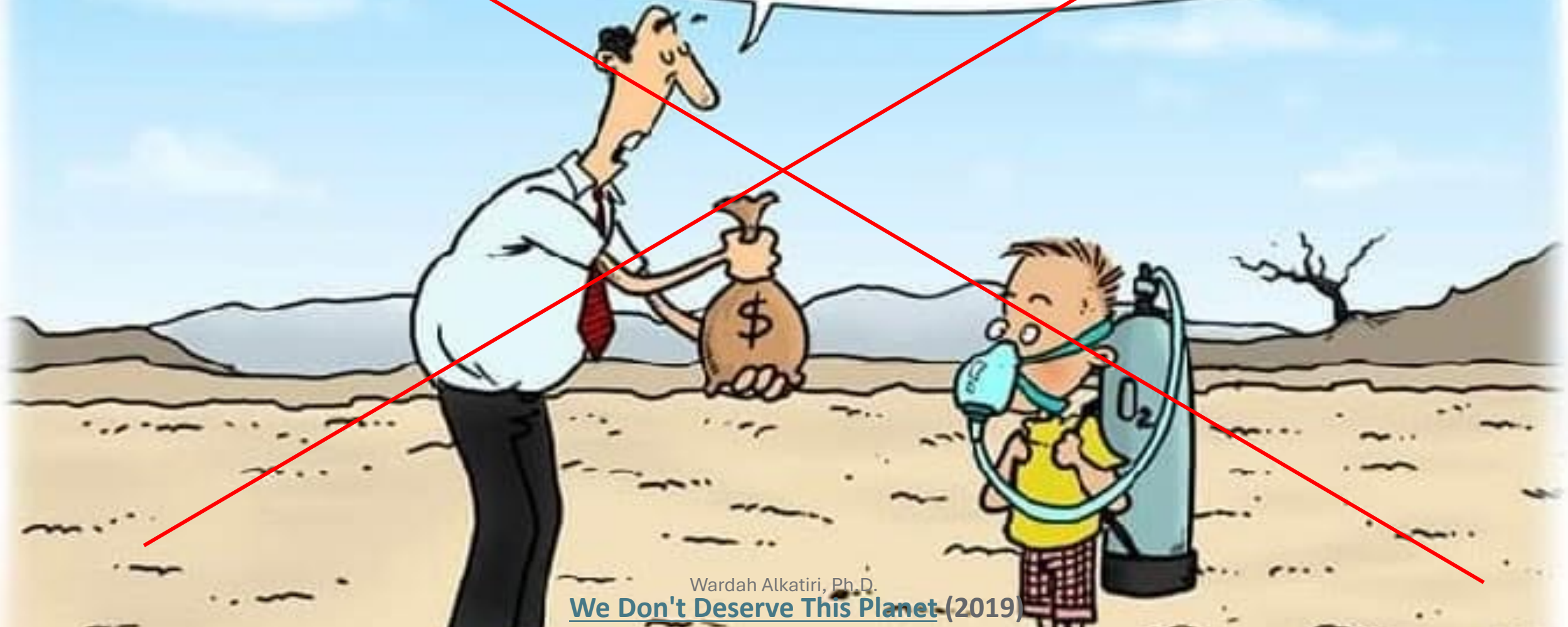


“SUSTAINABILITY”

Definition:

Meeting present needs without compromising the ability of future generations to meet theirs.

Here son, I saved all this money for your future



Wardah Alkatiri, Ph.D.

We Don't Deserve This Planet (2019)

“Sustainability”
is AGAINST
“infinite” Economic Growth



“Sustainability”

≠ BUKAN

“Humanitarian Aid”



“Sustainability”

≠ BUKAN

“Fire-fighting”



gettyimages®

Credit: VICTOR de
SCHWANBERG/SCIENCE PHOTO LIB

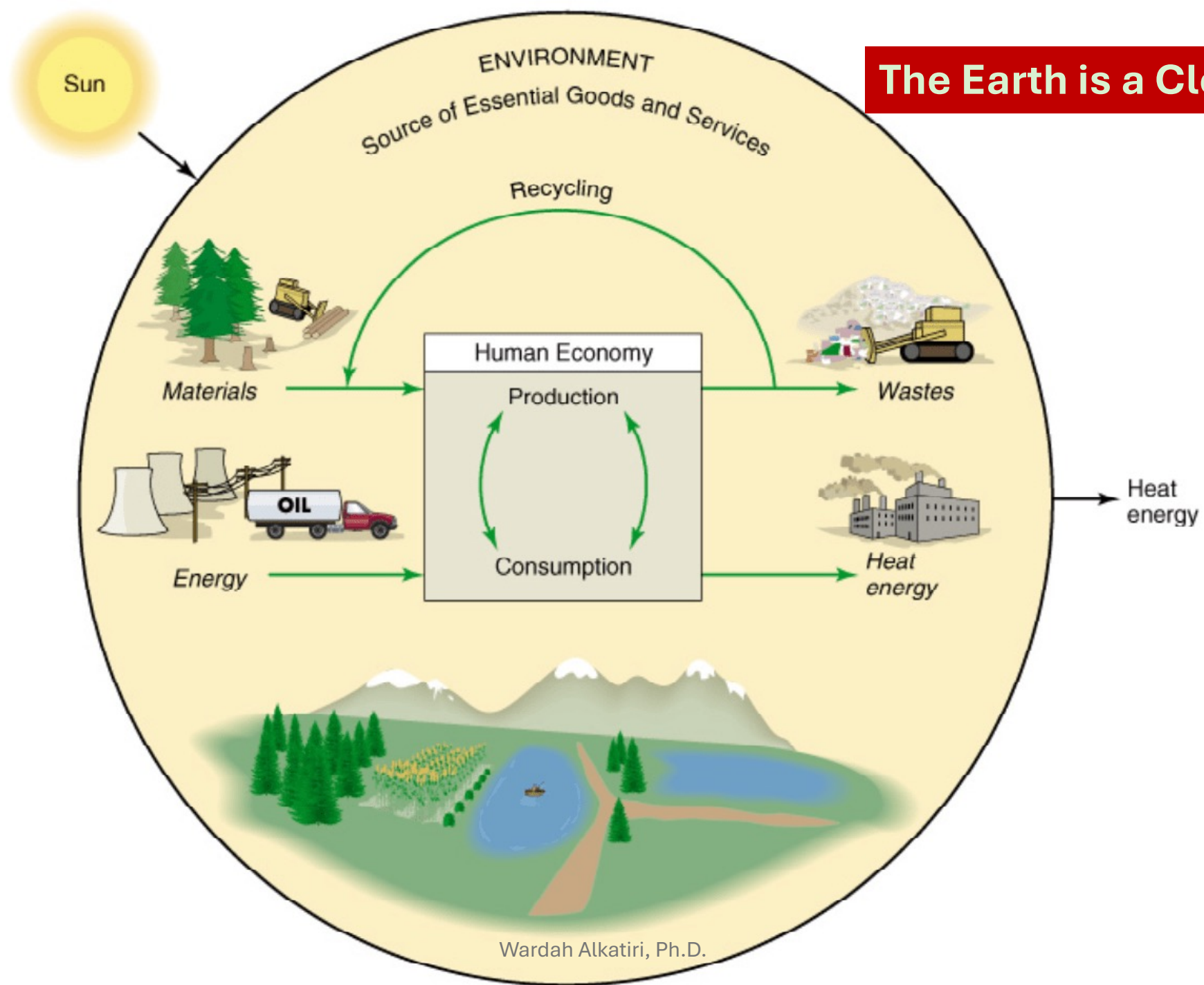
“Sustainability”
to balance human
activity with
**the earth’s
limits**

“Sustainability”

Ilmu “berbahaya” di mata colonizer

***“Memelihara, Merawat, Menjaga,
Lestari, Awet, Hemat, Cermat,
Bijak, Hati-hati, Prudent...”***

The Earth is a Closed System!



Types of Natural Resources

Dapat Diperbaharui

- Hutan
- Ikan di laut
- Tanaman
- Air

Renewables SDA

Vegetation

Animals

Soil

Minerals

Water

Buzzle.com

Tidak dapat Diperbaharui

SDA Non- Renewables

- Minyak
- Gas Alam
- Batubara
- Mineral
(hasil tambang)

ALAM itu TERBATAS !!!

1. Sebagai Sumber Daya Alam (SDA)

Terbatas oleh:

- 1. Kecepatan alam memperbaharui dirinya sendiri (renewables)**
- 2. Kapasitas SDA yang tersedia (non-Renewables)**



ALAM itu TERBATAS !!!

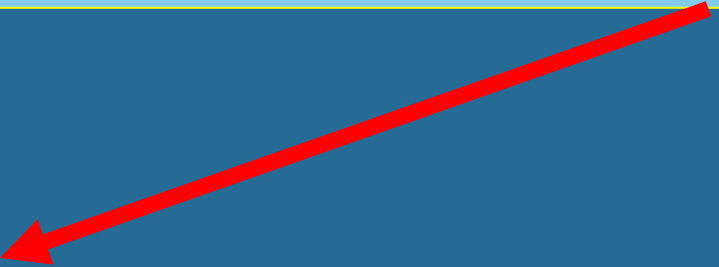
2. Sebagai Tempat Pembuangan

Terbatas oleh:

- Kemampuan TANAH, AIR, UDARA menyerap limbah



JADI,
Kalau manusia terus bertambah, menyebar,
membangun, mengkonsumsi diluar kapasitas BUMI
dan kemampuan BUMI untuk meregenerasi/
memperbaharui dirinya sendiri dan menyerap
sampahnya, maka kita menghadapi masalah.



‘ Overshooting ‘

Daya Dukung Bumi 'Overshoot'



Footprint Analysis

(William Rees and Mathias Wackernagel, 1994)



Butuh 4-6 ha tanah produktif/orang

- + Makanan
- + Air
- + Energy
- + Tempat tinggal

(standar masyarakat kota di negara kaya)

7.6 milyar orang butuh 45 milyar Ha tanah produktif
Bumi hanya ada 11 milyar Ha tanah produktif
Berarti → butuh > 4 planet bumi

Hanya ada TIGA pilihan:

1. Membangun 'awareness' dengan mengubah PENDIDIKAN
2. *Que sera sera ...* pasrah menerima inevitable 'Malthusian checks'
3. Pindah ke MARS bersama Elon Musk

PENDIDIKAN untuk

“DEKOLONISASI PEMBANGUNAN”

- 1. Sadar akan “Bio-physical limits of the Earth” - “ECO-LITEARCY”**
- 2. Perlu DEKOLONISASI PIKIRAN & HATI**

“Sustainability awareness”

=

“Eco-Literacy”

Eco-literacy is **the ability to understand the interconnected systems of the natural world and how human actions impact the environment.** It empowers individuals to make sustainable, informed decisions, fostering a deep responsibility to protect ecosystems and natural resources for future generations.



**DEKOLONISASI
“Pembangunan”**

=

**Pembangunan
yang mengenal
kata
‘CUKUP’**