

Web Dialogue
Indo-German Cooperation Project
Taking a One Health Approach
to Human Wildlife Conflict Mitigation
Ecosystem Health and Sustainability



*Overview of Current Global
Situation and
Key Challenges*

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Transdisciplinary Research*
Initiatives

Presentation Overview

Putting Things in Perspective

Zoonosis Hotspots—causes, prevalence, planet impact
The UN-2030 Sustainable Development Goals (SDGs)

The *One Health & Wellbeing (OHW)* concept

International *One Health for One Planet Education* Initiative (1 HOPE)

Global Challenges to Planet & Species' Sustainability

Putting things in perspective

13.7 billion years ago –Big Bang-matter, energy, time, space
3.8 billion YA: organisms
c. 2.5 MYA.. early humans - but just another species



c. 200,000 YA modern *Homo sapiens*
c.12,000 YA: Agricultural Revolution
c.500 YA: Scientific Revolution
c. 30 YA: Information /Tech Revolution

Today – Midst of Sixth Extinction Phase
Planet Sustainability?





Asia, Africa and Latin America....

- land-grabbing
- deforestation
- illegal mining
- wildlife poaching and trading

ZOONOSIS HOTSPOTS



What factors are increasing zoonosis emergence?

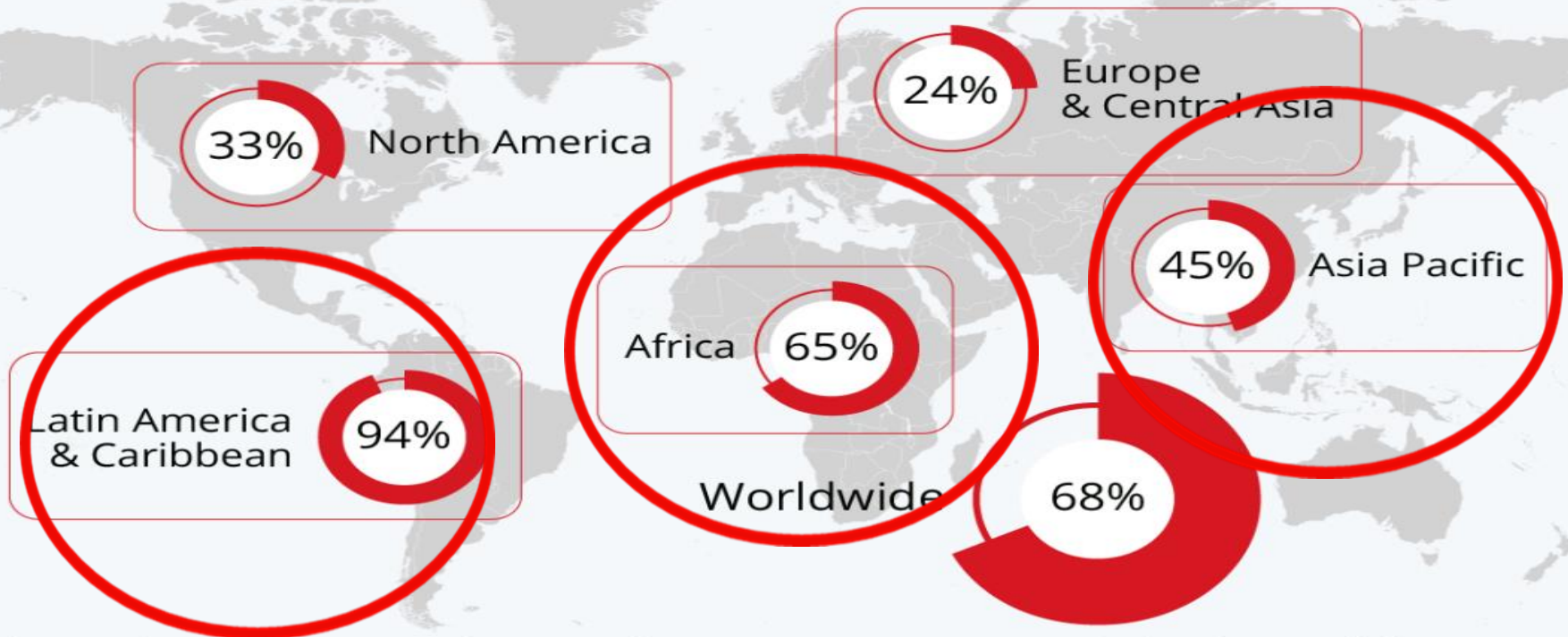
(Diseases transmitted from animals to humans)



#COVID19

Global Wildlife Populations Suffer Catastrophic Collapse

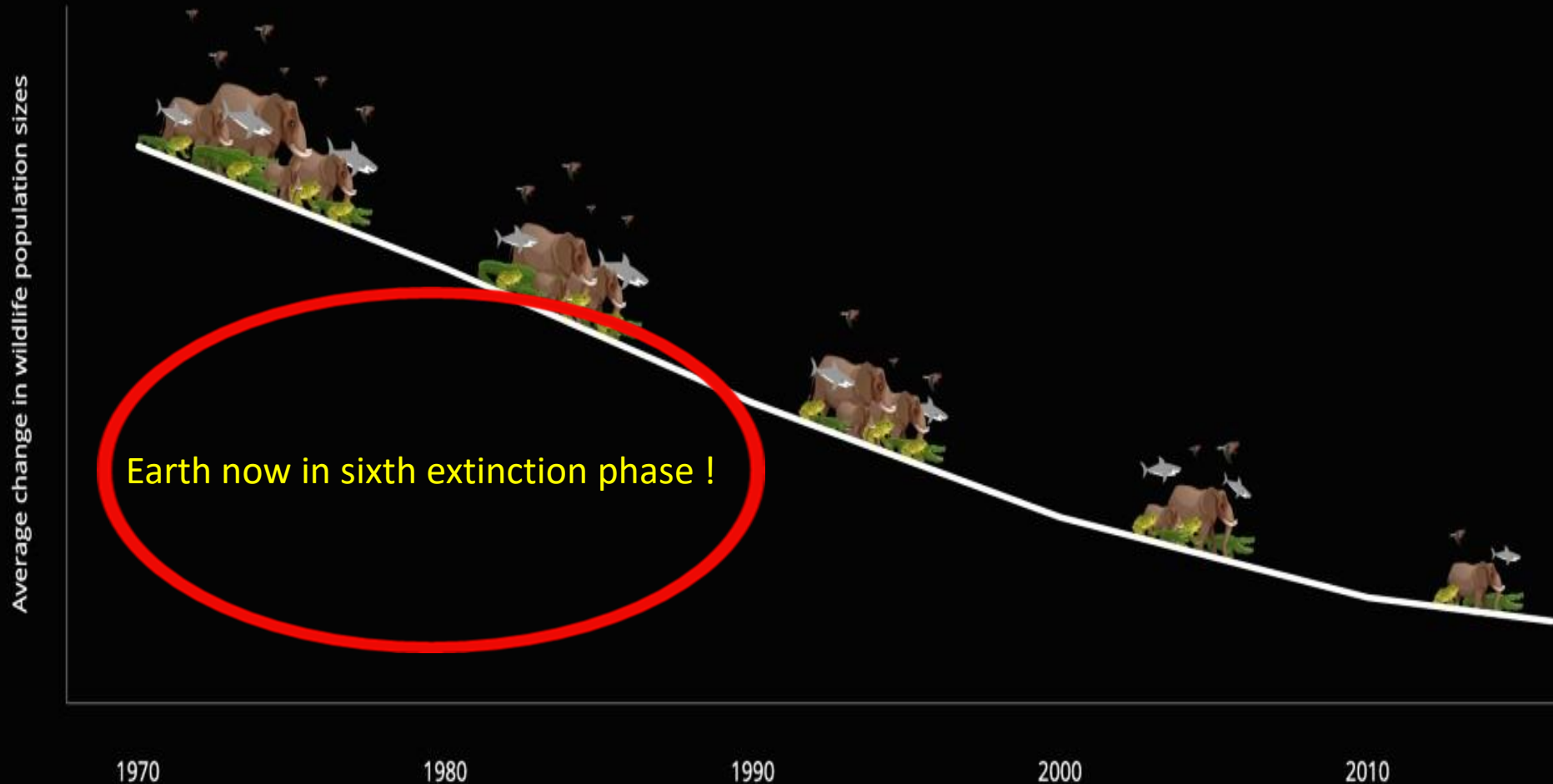
Decline in monitored vertebrate species populations between 1970 and 2016*



* Based on 20,811 populations of 4,392 species (mammals, birds, amphibians, reptiles and fish).

Source: 2020 Global Living Planet Index

“The population sizes of mammals, birds, fish, amphibians and reptiles have seen an alarming average drop of 68% since 1970.”



The United Nations
2030 Sustainable
Development Goals



SUSTAINABLE DEVELOPMENT GOALS



**“TO END POVERTY,
PROTECT THE PLANET
AND ENSURE THAT ALL
PEOPLE ENJOY PEACE
AND PROSPERITY BY
2030.”**

Covid-19
**“SDGs-epochal
reversal”**

**Need for
commitment to
new global values,
principles
and actions!**



*Time to
Stop, Think and Do!*

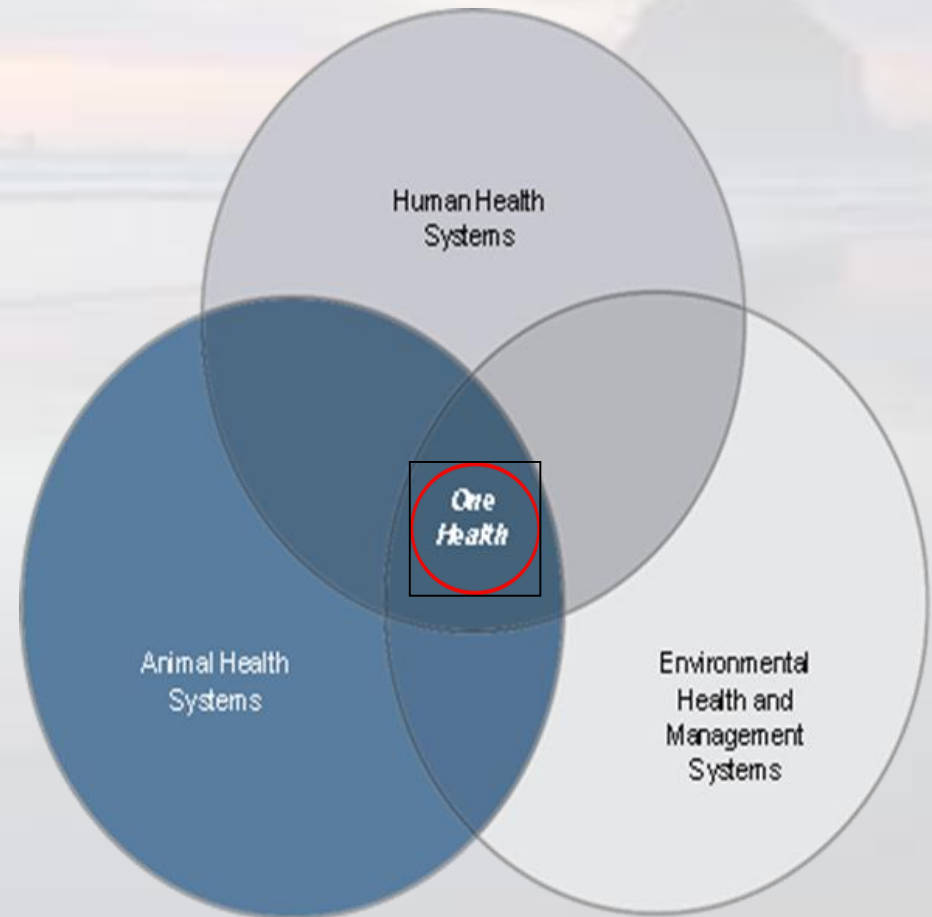
**Global Challenges
Root Causes!**

**The One Health
& Well-Being Concept
(OHW)**

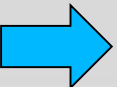
Collaboration across sectors

Sustainability!

**World Bank One Health
Operational framework**



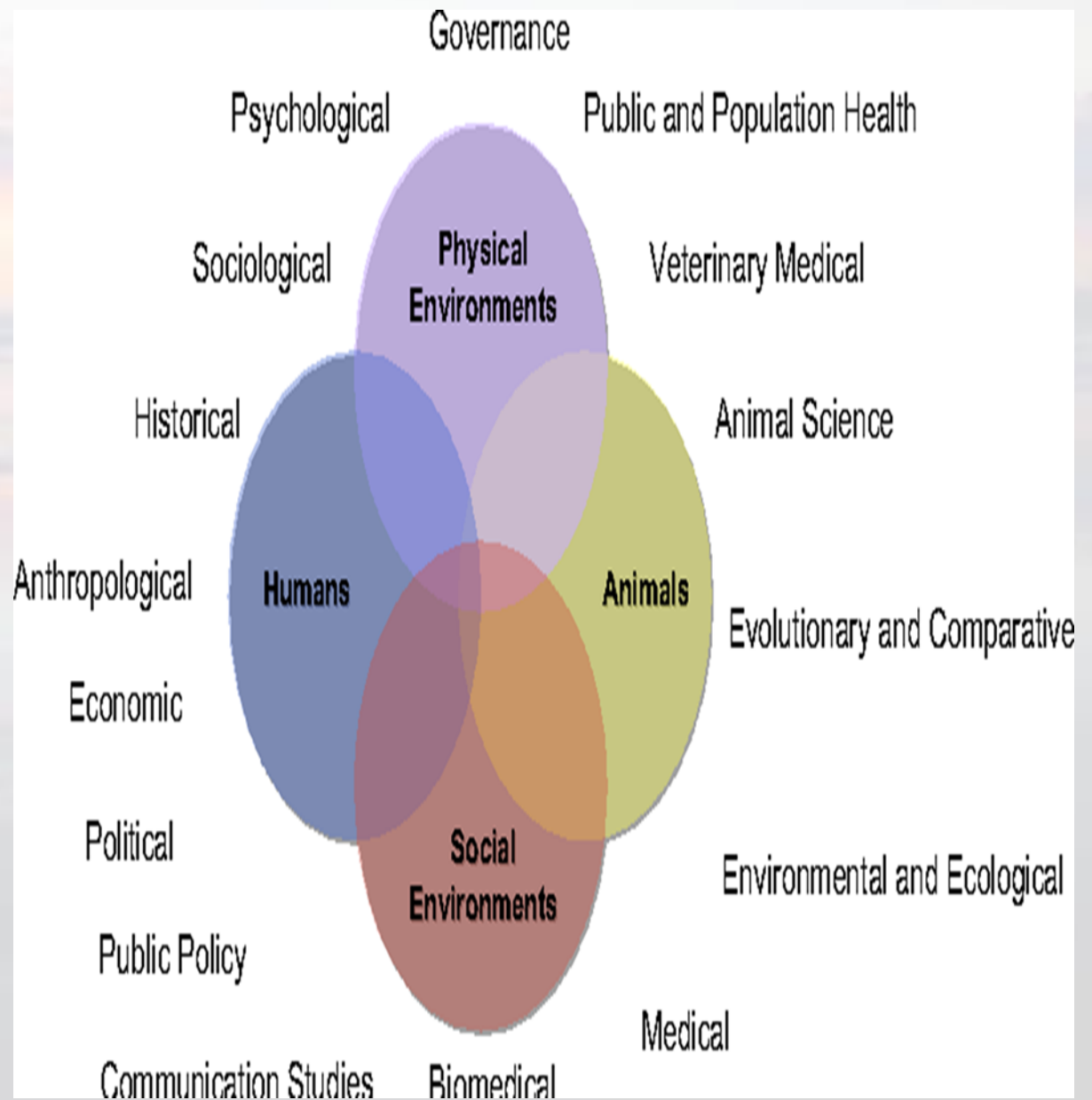
Cuts across all disciplines



The One Health & Well-Being Concept

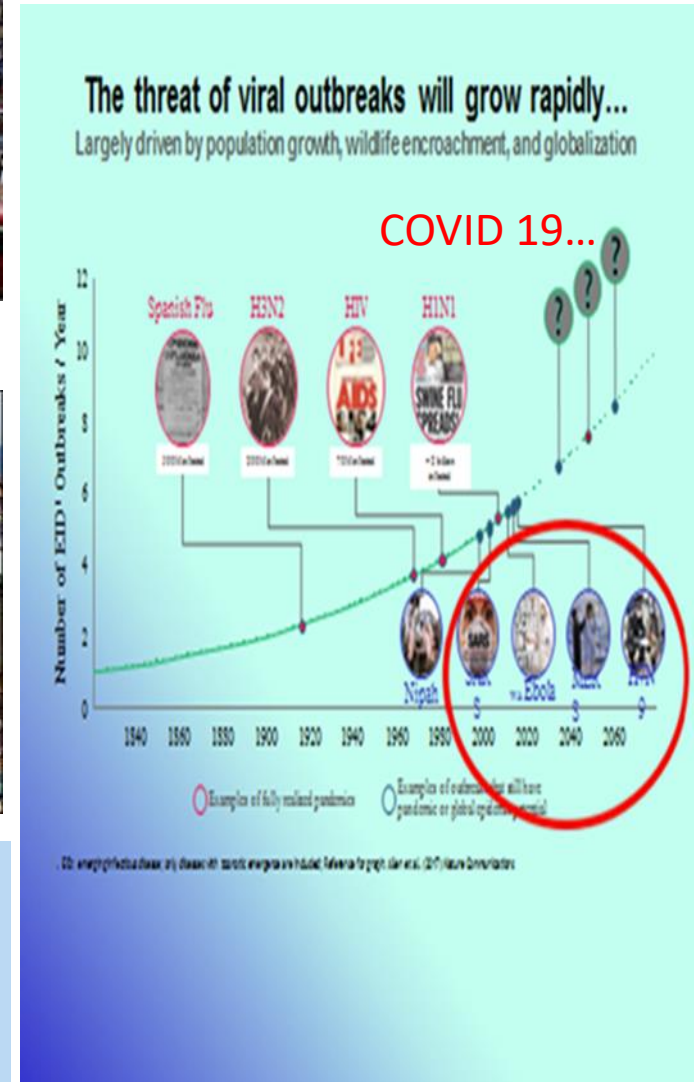
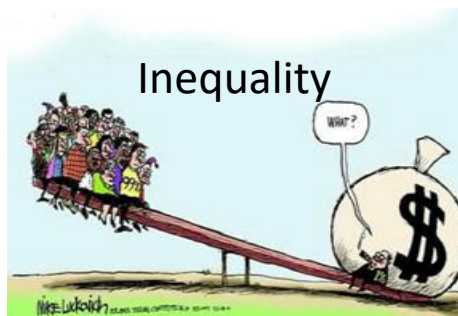
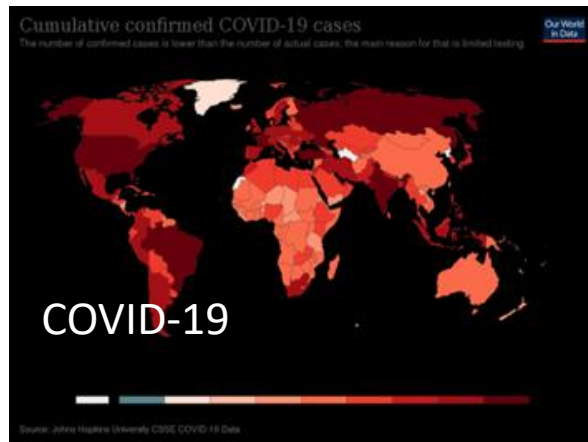
**Applies to the planet
and *all* species**

**All disciplines,
policies &
Strategies**



GLOBAL
CHALLENGES
to
SUSTAINABILITY

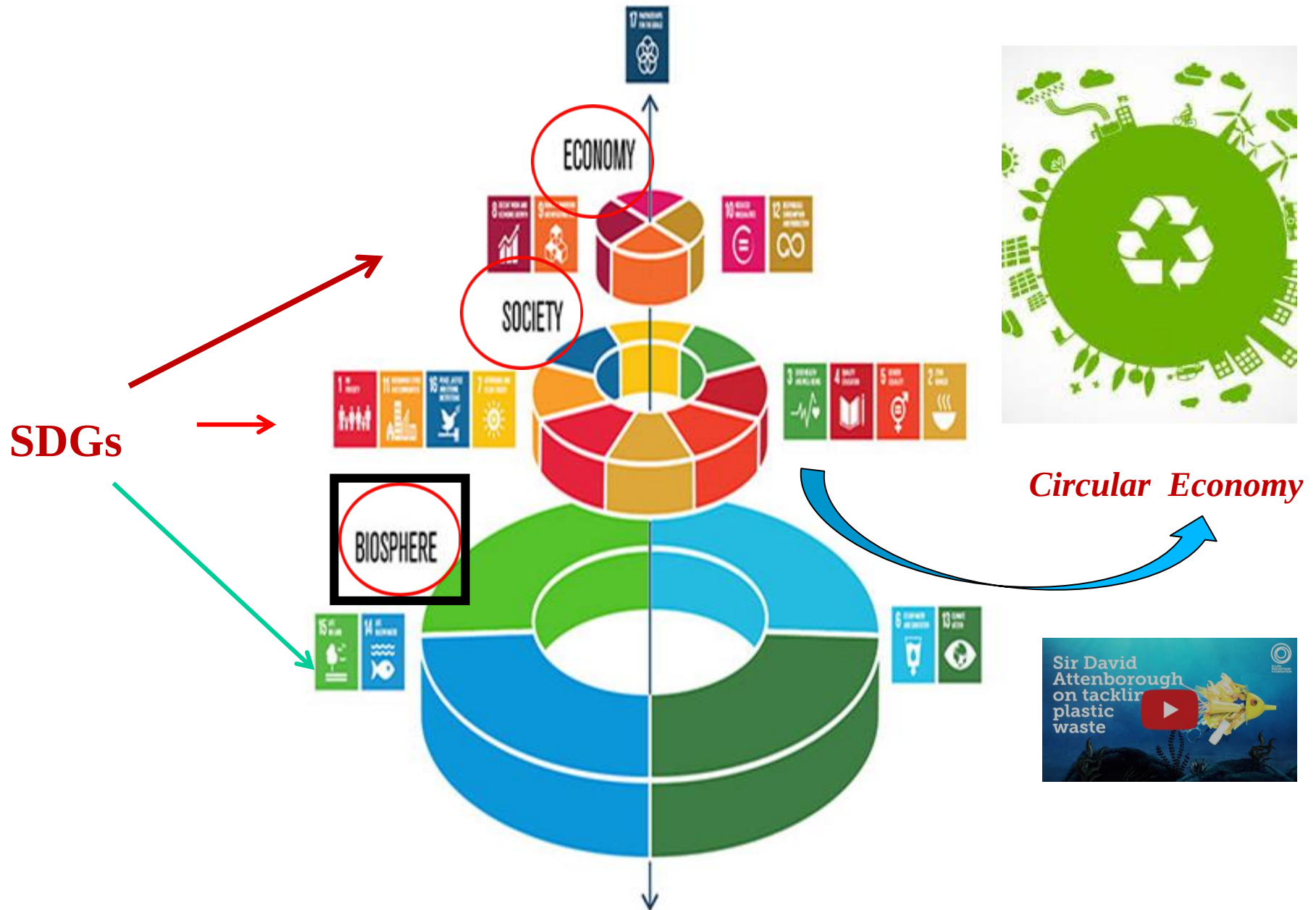
7 GLOBAL CHALLENGES



Biosphere is now the master!



THE ECONOMY SERVING SOCIETY*



*Stockholm Resilience Organisation

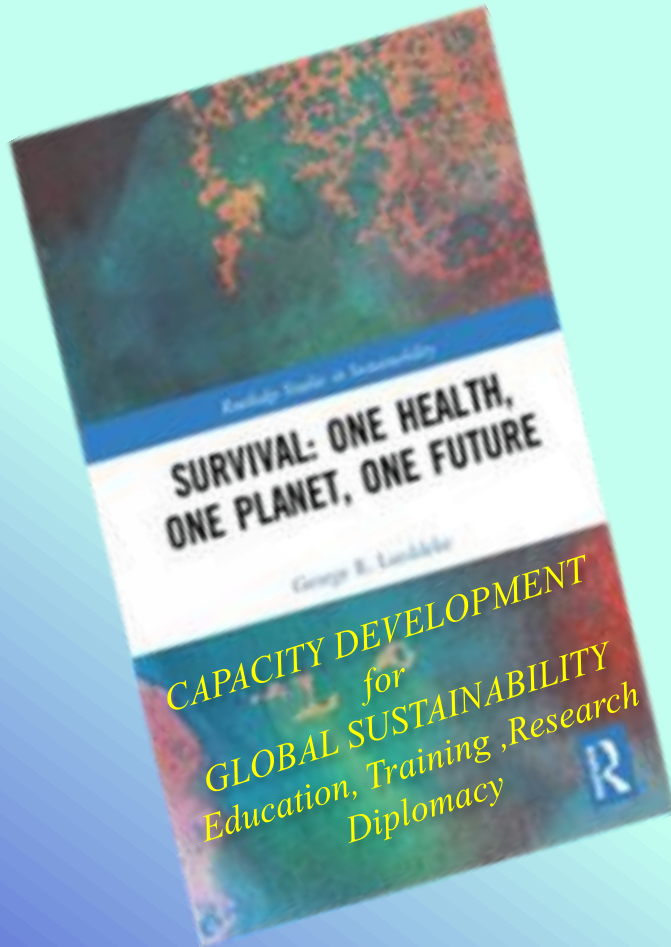
WHAT NEEDS TO CHANGE?

**Societal & Workforce
Development**

**NEW VALUES,
KNOWLEDGE
& COMPETENCIES**



Ten Propositions for Global Sustainability



What if?

- 1 All 193 NATIONS OF THE WORLD collectively embraced the vision and aspirations set out in the UN declaration, 'Transforming our World: The 2030 Agenda for Sustainable Development', in word and concrete enabling actions?
- 2 GLOBAL GUIDELINES were evolved and agreed to ensure technology is used "only" for peaceful purposes and in support of the health and well-being of all species and the planet?
- 3 DECISION-MAKERS treated migration as a historical, complex, global human reality that we need to manage collaboratively, compassionately and responsibly with an emphasis on mitigating root causes (socio-political, economic, environmental) while enacting integrated, preventative life-sustaining measures?
- 4 GOVERNMENT, BUSINESS AND CIVIL SOCIETY collaborated at all levels and adopted a new paradigm – a new world view – to ensure our needs as human beings are compatible with the needs of our outer world – our ecosystem?
- 5 HUMAN VALUES AND MODERN LIFESTYLES – especially national vested interests and overconsumption (energy, water, raw materials ...) – were recognised globally as the leading causes of environmental degradation, eventual loss of resource bases threatening the sanctity and sustainability of all life?
- 6 NATURE was acknowledged as a major source of human thought processes and feeling – inspiration and creative learning as well as being a main factor in personal growth and development, thereby contributing to each individual's quality of life, realisation of dreams and aspirations?
- 7 THE UNIFYING ONE HEALTH AND WELL-BEING CONCEPT became the cornerstone of our education systems and societal institutions, thereby helping to create a 'more just, sustainable and peaceful world' (UN-2030 Global Goals [SDGs])?
- 8 HUMANITY'S FUNDAMENTAL NEED as frontline custodians of the planet was recognised and adopted globally, thereby ensuring the true regenerative power of our societies and fostering compassion, trust and goodwill?
- 9 THE UNITED NATIONS GENERAL ASSEMBLY (UNGA), guided by the human experience over millennia alongside global wisdom, and in a spirit of compassion, kindness, harmony and moral authority, agreed to prioritise and actively promote the values of equality, democracy, tolerance and respect to bridge divisions between people and bind nations together?
- 10 ALL MEMBERS OF THE UNITED NATIONS SECURITY COUNCIL were held globally accountable for their role in maintaining world peace and security – based on a genuine commitment to shared people and planet values while giving a permanent voice to regions with the fastest population growth and social and economic disparities (e.g., Africa, India, Middle East, SE Asia – i.e., close to 6 billion people vs about 2 billion by 2030)?

International

One Health for One Planet Education & Transdisciplinary Research Initiatives



*in association with
national / global organisations*

SDG



AIM

Build global capacity for valuing and promoting the *One Health & Well-Being* concept as the foundation for achieving the *UN-2030 Sustainable Development Goals*

Engaging

Africa, Americas, Asia, Europe, Middle East, Oceania
via multi-disciplinary **Advocacy & Development Teams**

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*HWC and a Green and Inclusive
ECOSYSTEM HEALTH:
GLOBAL SUSTAINABILITY*

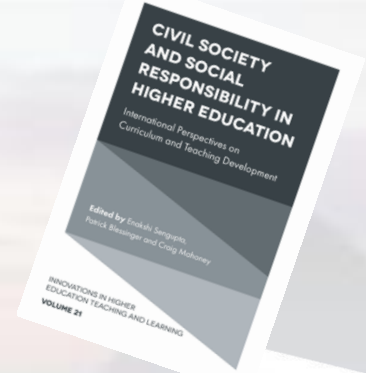




Thank you!

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Chapter 12

The University in the early Decades of the Third Millennium: Saving the World from itself?

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