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A Manifesto to Secure a Healthy Planet for All - A Call for Emergency Action

*A Collaborative Initiative by the InterAction Council –
An Organisation of former Heads of State and Government*

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Overview – A Medical Diagnosis of the Planet’s Health:

- ***The Challenge*** - *Our Planet’s Health is Critically Sick – and we all need to act with urgency*
- **The risks for future generations** – are we standing at the precipice of a mass extinction?

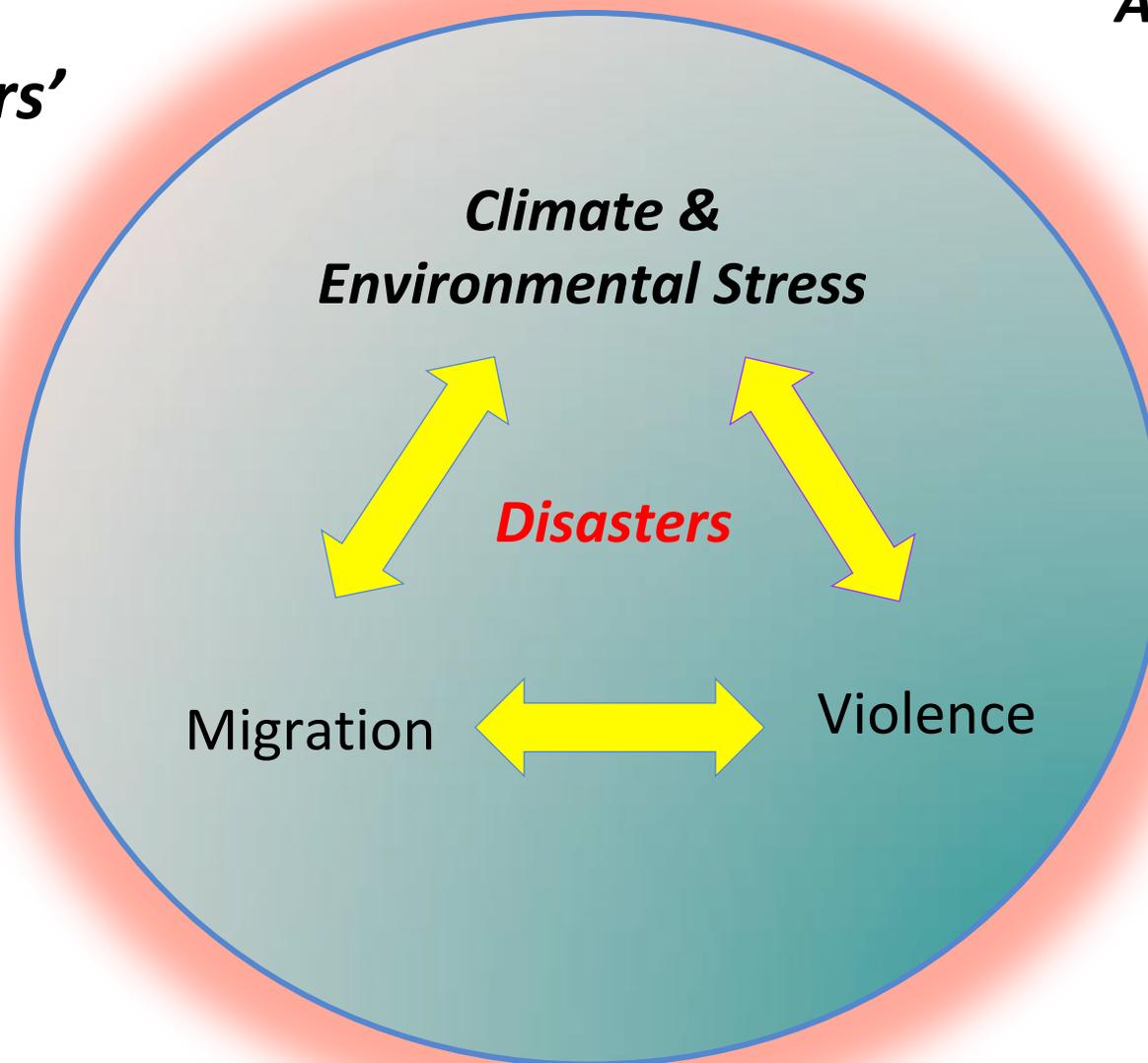
- **A Manifesto to Secure a Healthy Planet for All:**
- **Security** – A Critical Care Response for the Planet’s Health
- **Recovery** – Rehabilitation and Resilience
- A **Flourishing** Planet for All
- **Guardianship** – for a Healthy Planet
- **Collaborative** – Community Action



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***Symptoms of a
Feverish Planet:***

***- A 'Nexus of
Escalating Disasters'***



***The Human Body's normal
Temperature is about 37 C
A rise of just 3- 4 degrees can
be fatal and is seen as a
Medical Emergency***

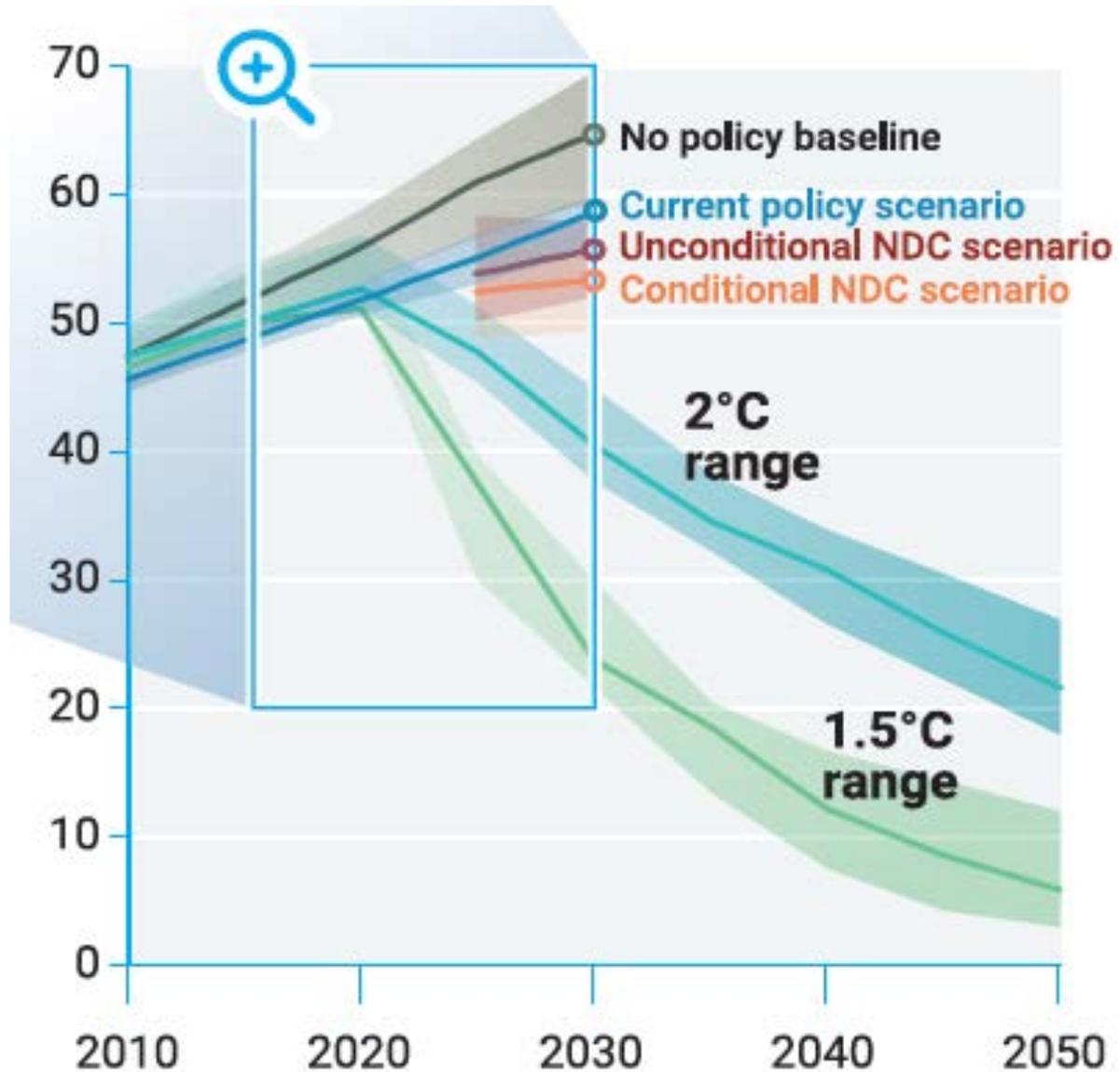
Early symptoms from
an emerging
Planetary fever at 1C



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Temperature Chart and Emissions – Global Gaps UNEP, 2018

Collaborative action needs to be scaled up urgently



NDC = Nationally Determined Contribution, (Paris agreements)



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The UNEP Emissions Gap Report 2018:

‘If NDC ambitions are not increased before 2030, exceeding the 1.5°C goal can no longer be avoided. Now more than ever, unprecedented and urgent action is required by all nations... in fact, global CO2 emissions increased in 2017 ...’

“Climate Change is running faster than we are – and we are running out of time”

UNSG, Antonio Guterres – re the IPCC 2018 report on Global Warming of 1.5C

We are entering into unknown territory:

Human civilisation - over 800,000 years has occurred within the range of -1 to 1+ C: we are currently at 1+ C

Geological records - show that tipping point thresholds start between 1-3C



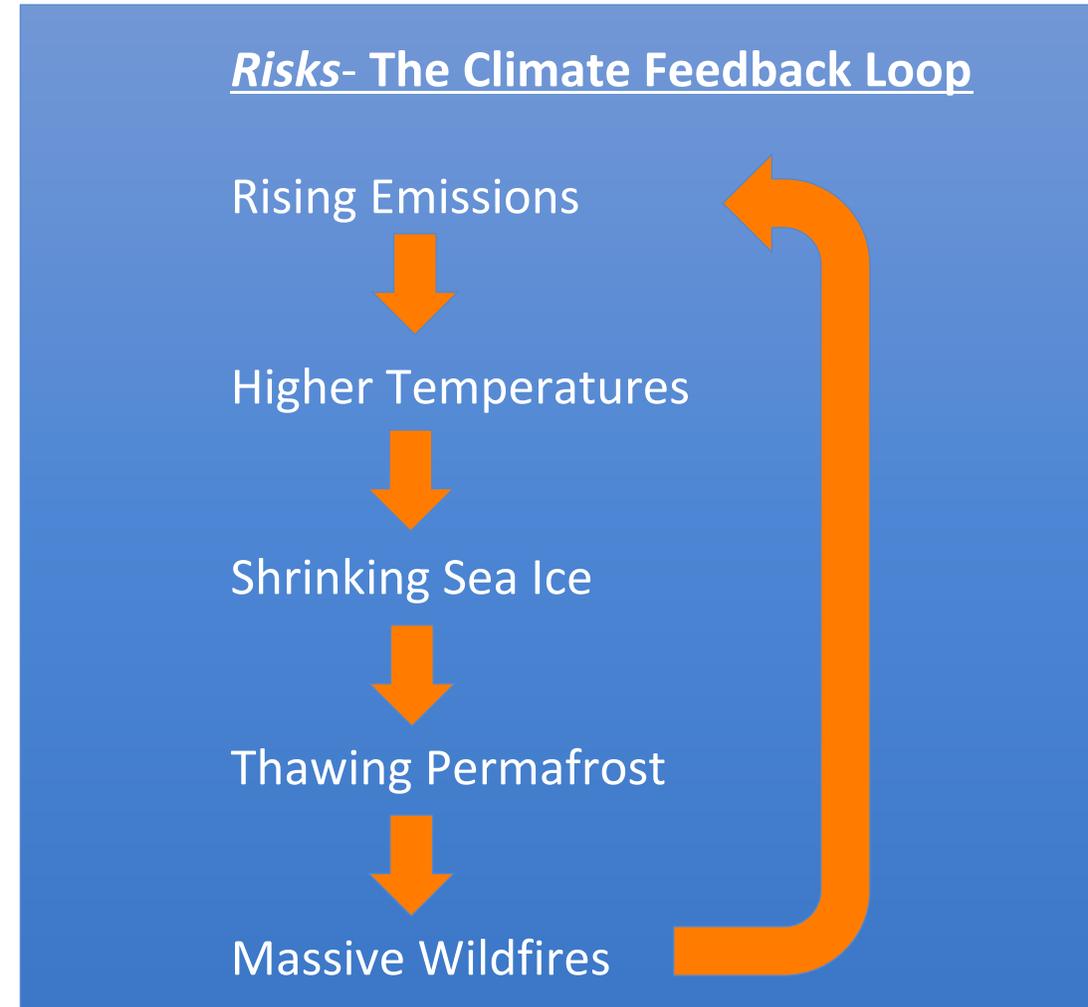
Risks and a critical juncture in time:

Feedback loops create the potential for runaway climate change and a hothouse earth scenario

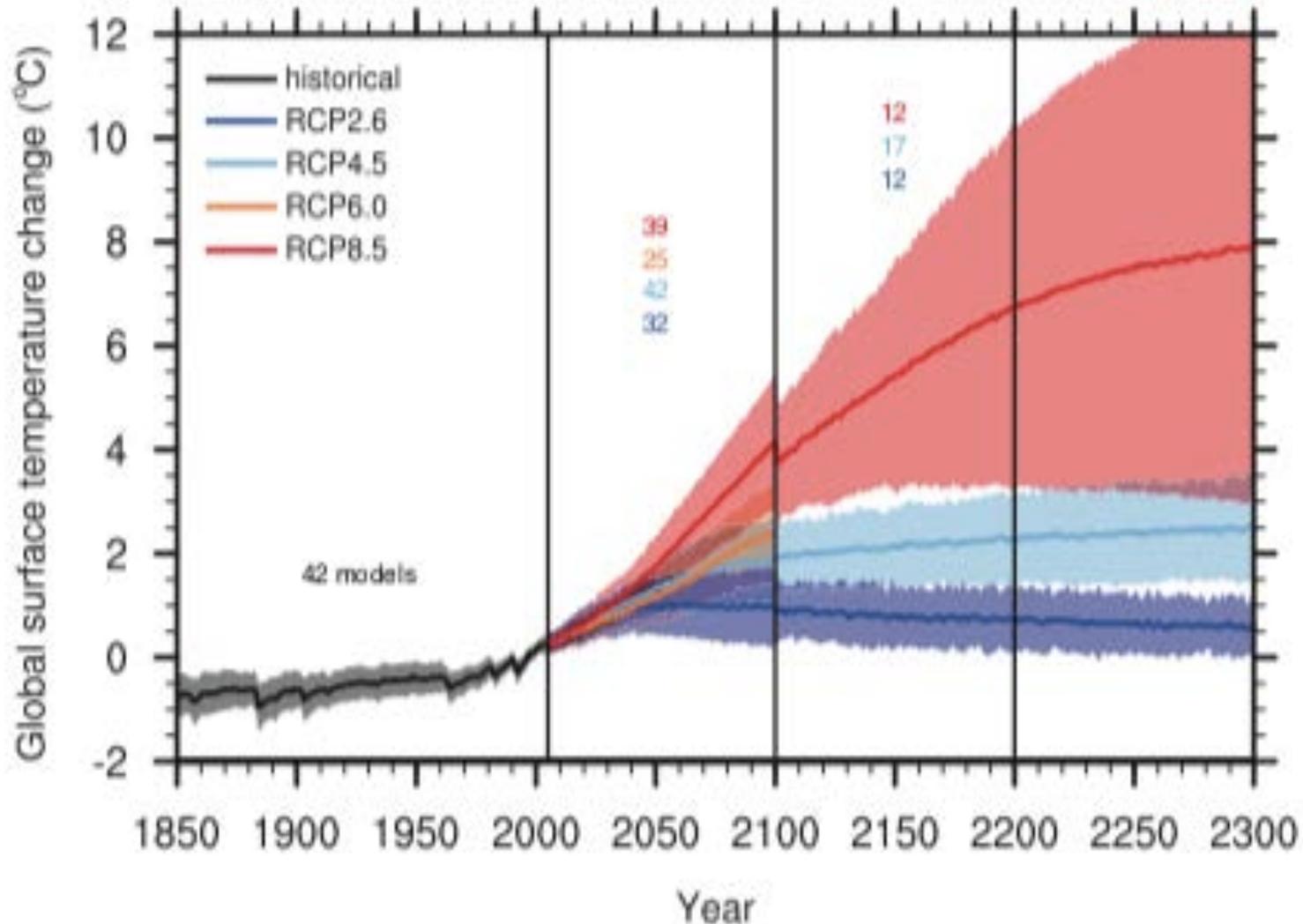
- **Uncertainty** - we currently do not know if we have already crossed tipping point thresholds
- **The IPCC reports** - provide scientific consensus on areas of relative certainty
- **A risk assessment** - process is still required to understand, detect and avert tipping points

'Hothouse Earth' scenario:

- Even if we aim to keep temperature rises between 1-2 degrees, the process of feedback loops could become unstoppable:
- Resulting in global average temperature rises of 4-5 degrees with sea level rises of 10-60 metres.



What about our longer term future?



By 2100: Current trajectory projected 3-4 C increase

By 2200: leading to 3-10 C

By 2300: 3-12 C plus

Temperatures will stay at elevated levels for millennia unless CO2 emissions are significantly reversed:

The Oceans have absorbed 90% of our extra heat – equivalent to a 36 C increase if released into the Earth's atmosphere



Are we at the precipice of a 6th Mass Extinction?

Ordovician-
Silurian

*Permian-
Triassic*

Cretaceous –
Paleogene

Late
Devonian

Triassic-
Jurassic

439

364

251

199

65

Extinction events timeline- Million years ago

A mass extinction is usually defined as a loss of more than 75% of all species

***TODAY - The Environmental Crisis:
We have already seen a decline in
60% of mammals, birds, fish
and reptiles since 1970***

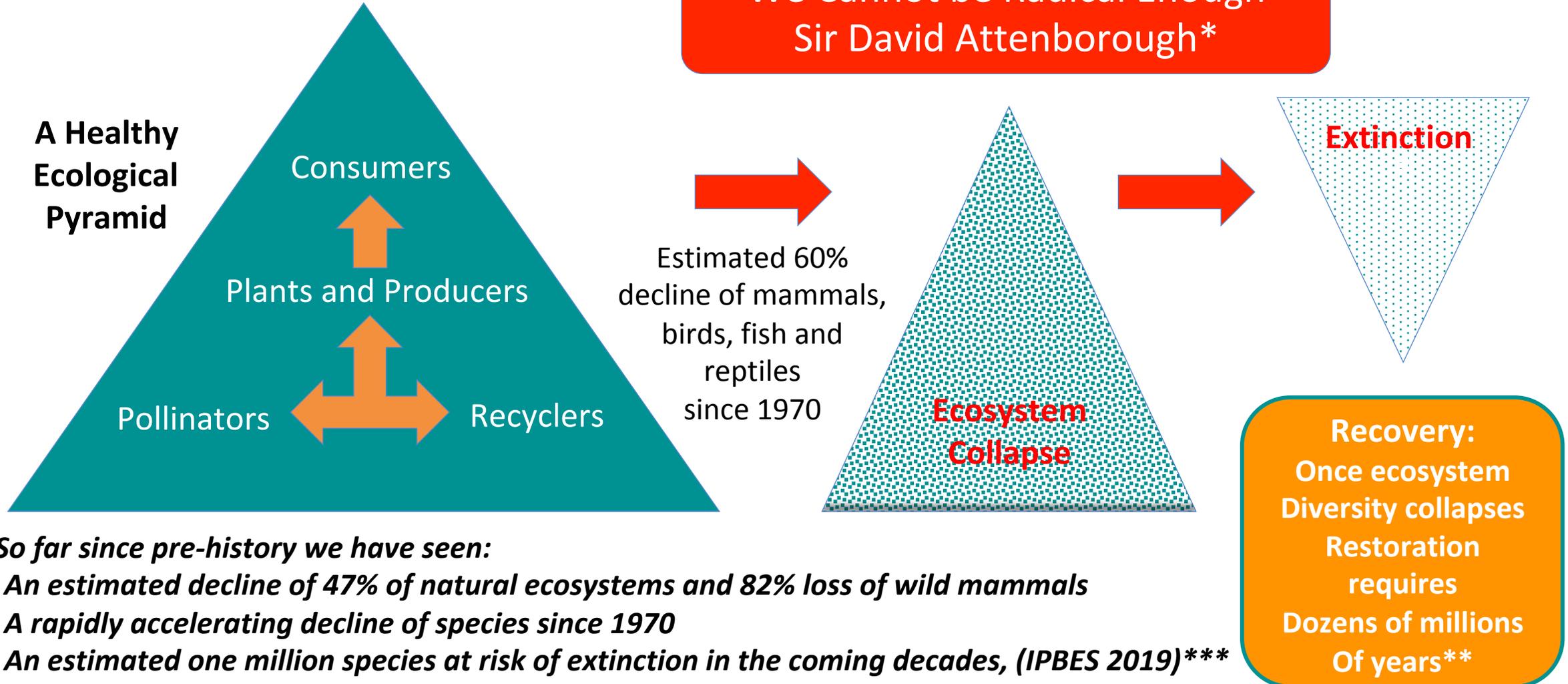
The Permian Extinction 252 million years ago - called the 'great dying' – as it killed:

- **96% of marine species – from loss of oxygen**
- **70% of land species**
- **Most of the planet's trees, insects, plants and microbes**

**Occurred from temperature increases of 8-10 C
- Which we could reach by 2200**

The Environmental Crisis and Biodiversity Loss, Food System Collapse and Extinction Events

“We Cannot be Radical Enough”
Sir David Attenborough*



So far since pre-history we have seen:

- An estimated decline of 47% of natural ecosystems and 82% loss of wild mammals***
- A rapidly accelerating decline of species since 1970***
- An estimated one million species at risk of extinction in the coming decades, (IPBES 2019)******

Recovery:
Once ecosystem
Diversity collapses
Restoration
requires
Dozens of millions
Of years**

“The Planet is Sick – and we all need to work together to ensure the health and wellbeing of future generations”

HE Bertie Ahern, Edinburgh, 2018

If we consider the Planet’s Health:

Respiratory System

= carbon emissions, air pollution, loss of forests

Circulatory system

= oceans acidic, rivers polluted, freshwater contaminated

Organs = loss of swamp lands to detoxify

Mental Health = biodiversity loss and extinctions

Skin

= desertification, mudslides, depleted agriculture

We would diagnose it as seriously ill – with multiple organ failure

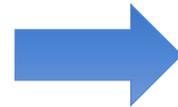
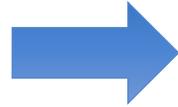


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***We need to act with Speed and Scale:
A Critical Care Response to Secure a Healthy Planet for All***



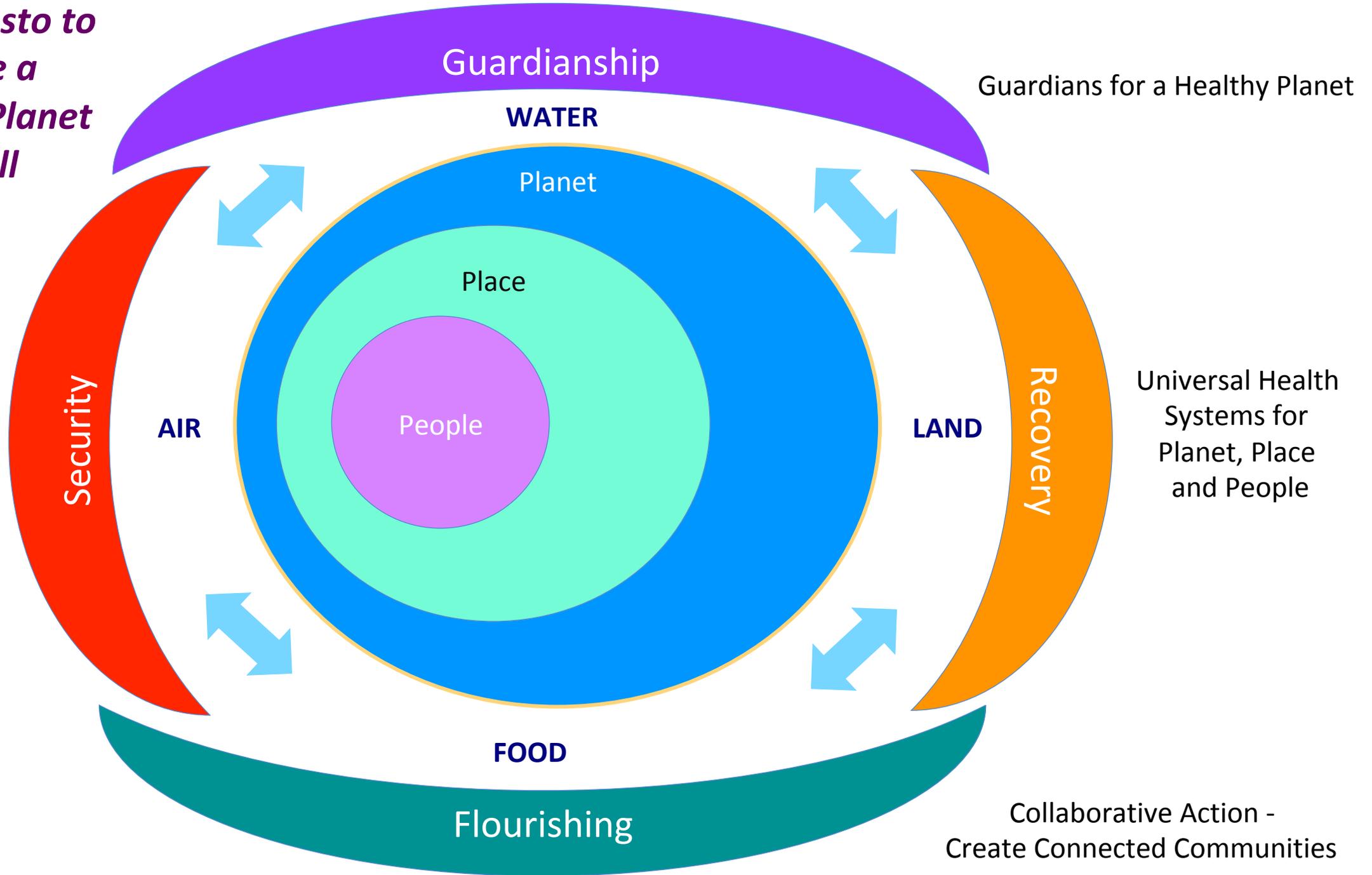
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Urgent

Long-Term

*A Manifesto to
Secure a
Healthy Planet
for All*



Guardianship

Guardians for a Healthy Planet

WATER

Planet

Place

People

AIR

LAND

Recovery

Universal Health
Systems for
Planet, Place
and People

Security

A Critical Care
Response to
Secure the
Planets'
Health

FOOD

Flourishing

Collaborative Action -
Create Connected Communities





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Manifesto to Secure a Healthy Planet for All – A Call for Emergency Action:

1. Security – A Critical Care Response for the Planet's Health:

- **Declare an Emergency Response:** at global, national and local levels, to reflect the required urgency and speed to address the critical situation of the planet's health; drawing upon lessons from the health sector, establish an international multi-sector emergency response;
- **Resuscitation:** at scale, drawdown carbon emissions, reduce ocean temperatures and acidity
- **Stabilisation:** identify key risks and impacts from potential tipping points and co-ordinate responses at scale and speed to stabilise risks; diagnose and develop a longer term treatment plan for the planet's health; map the populations, most at risk to target and scale up adaptation responses



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Security - A Critical Care Unit for a Sick Planet:

- **Resuscitation:** ABC - Airways, Breathing, Circulation
- **Stabilization:** Homeostasis – stable systems: temperature and acidosis
- **Diagnosis:** excess CO₂ and toxins
- **Treatment:** reduce carbon emissions and sources of toxins
- **Recovery:** healing eco -systems
- **Rehabilitation:** healthy eco-systems
- **Prevention:** build resilience, early detection and intervention
- **Promotion:** flourishing eco-systems, biodiversity and sustainable well-being



*Reduce and
manage the risks
from a Sick Planet*



Declaring an Emergency Response – apply Existing Mechanisms:

- **UN Security Council** – frame the climate and environmental crisis as an emergency to scale up responses
- Establish a **Global Committee** to address the **Climate and Environmental Crisis**
- Utilise and apply existing **National and Local Emergency and Resilience** Mechanisms
- **Apply learning** from international and national emergency responses for managing health threats like Ebola
- **Establish networks** and share learning from Countries and Local Authorities declaring climate emergencies

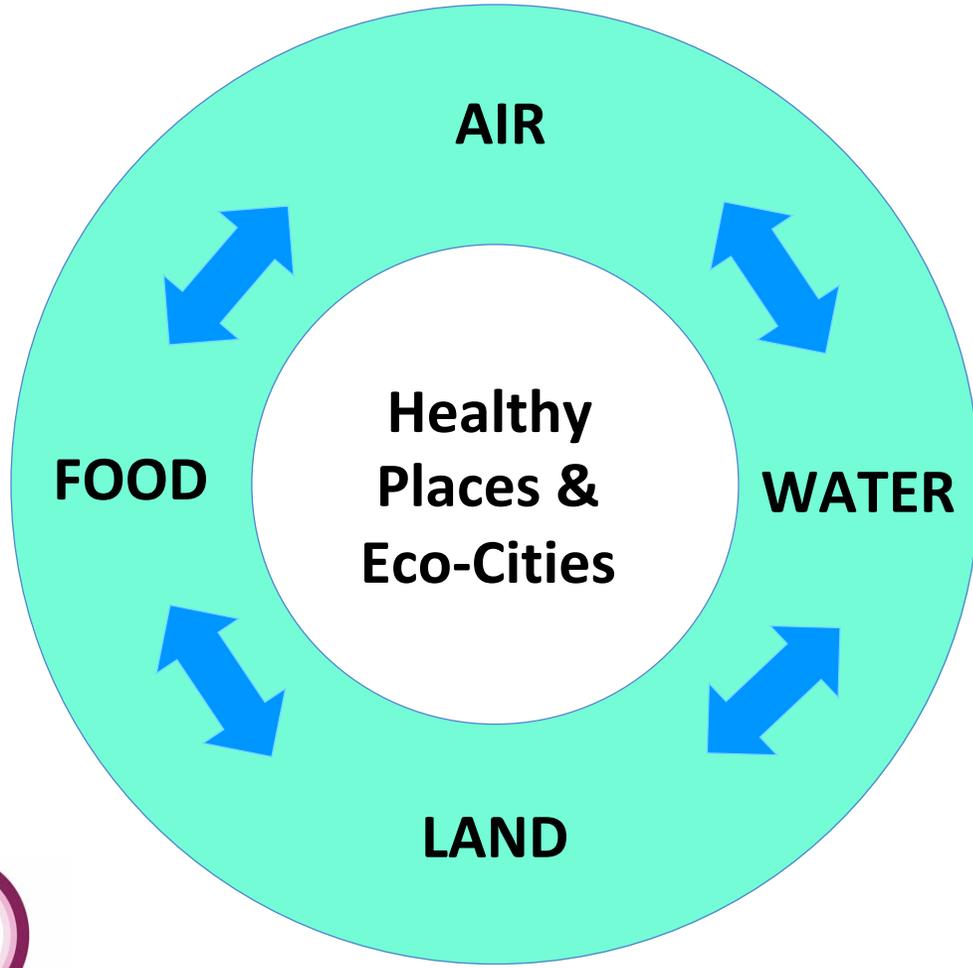
Sendai Framework for Disaster Risk Reduction 2015-2030:

- Strengthen capacity, governance and investment for disaster risk reduction
- ‘Build Back Better’ in recovery, rehabilitation and reconstruction

Public Health Emergency of International Concern:

- WHO DG calls an International Health Regulations Emergency Committee of Experts
- Requires a coordinated international response where the situation is serious, carries implications for public health beyond national borders, and requires immediate international action – (usually applies to diseases)

2. Recovery: Rehabilitation and Resilience – Healthy Air, Water and Food Systems, Places and Eco-Cities



**'Healthy Systems for
Planet, Place and People'**

Air:

- Rapid investment and scale up of clean energy and transport
- Promote walking and cycling and enhance green urban design

Water:

- Enhance ocean role in recovering planetary homeostasis (temp, CO₂, acidity, toxins)
- Advance nature based solutions for sustainable water and sanitation

Land:

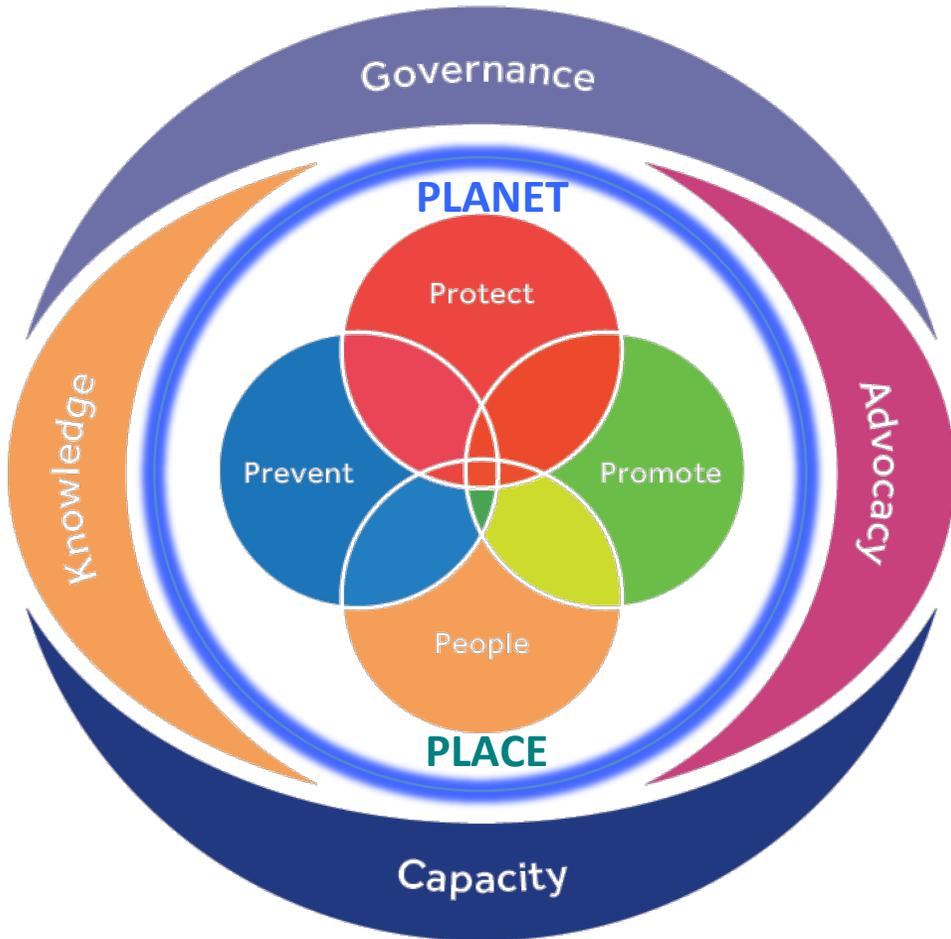
- Restore healthy habitats, reverse desertification – enhance reforestation with indigenous trees
- Promote habitats that enhance pollinator species for food security

Food:

- Scale up sustainable 'Healthy Planet Food Systems' - enhance plant based foods
- Reduce excess consumption and food waste, improve storage, clean cooking, recycle waste and re Fridgeration



2. Recovery: - Universal Health Systems for Planet, Place and People



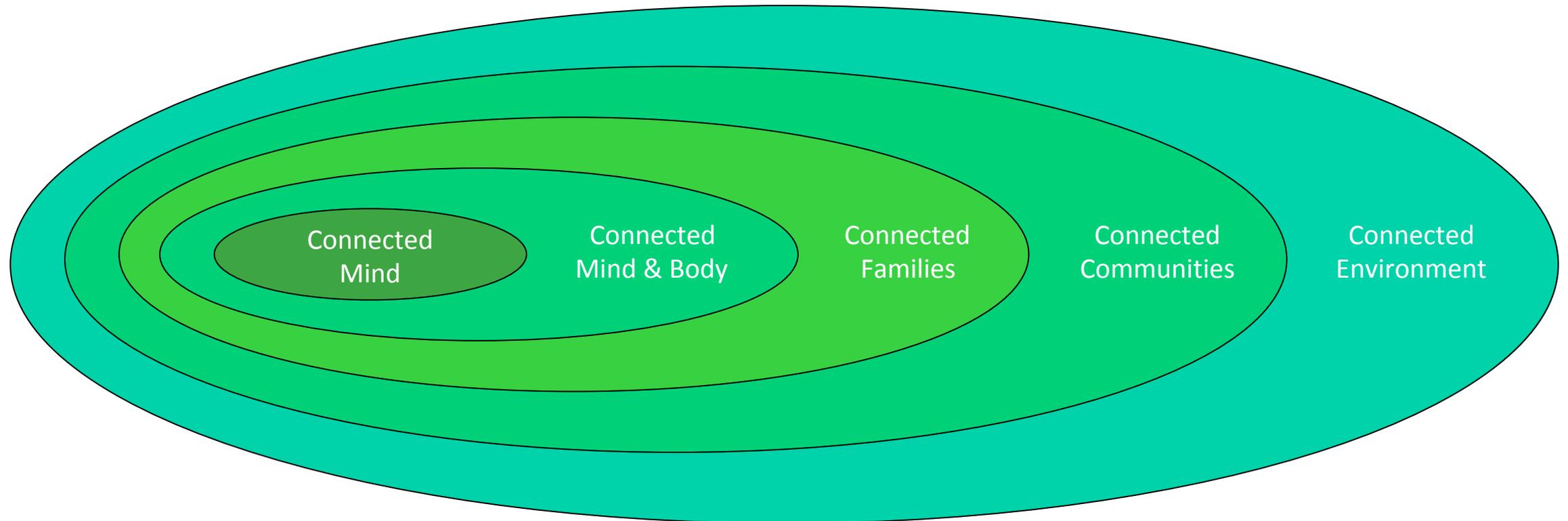
Advanced by the Digital Platform for Planet, Place and People – a Hub of the Commonwealth Centre for Digital Health

- 1. Governance:** planetary health guardianship and legislation; science based policy and strategy; cyclical investment; planetary health index.
- 2. Knowledge:** surveillance, monitoring and evaluation; research and evidence; risk and innovation; digital systems and dissemination.
- 3. Protection:** Planetary Health risks and response; IHR and Sendai Framework; communicable disease control; emergency preparedness; environmental health; climate change and sustainability.
- 4. Promotion:** intergenerational inequalities; AIR- WATER-LAND- FOOD systems; co-benefits and sustainable development; ecological health literacy; life-course resilience; healthy eco-settings.
- 5. Prevention:** primary prevention: vaccination; secondary prevention: screening; efficient healthcare management, waste and recycling.
- 6. People:** primary health care (*ecological community officers; maternal & child health*); secondary and tertiary health and social care & recovery.
- 7. Advocacy:** leadership and ethics; planetary health community guardians; green connected communities; multi-media networks.
- 8. Capacity:** life-course education, workforce development; workforce planning: numbers, resources, infrastructure; standards, curriculum, accreditation; capabilities, teaching and training.

Adapted from the Global Charter for the Public's Health, WFPHA and the 'Systems Framework for Healthy Policy' the Commonwealth, 2016.

Manifesto to Secure a Healthy Planet for All – A Call for Action:

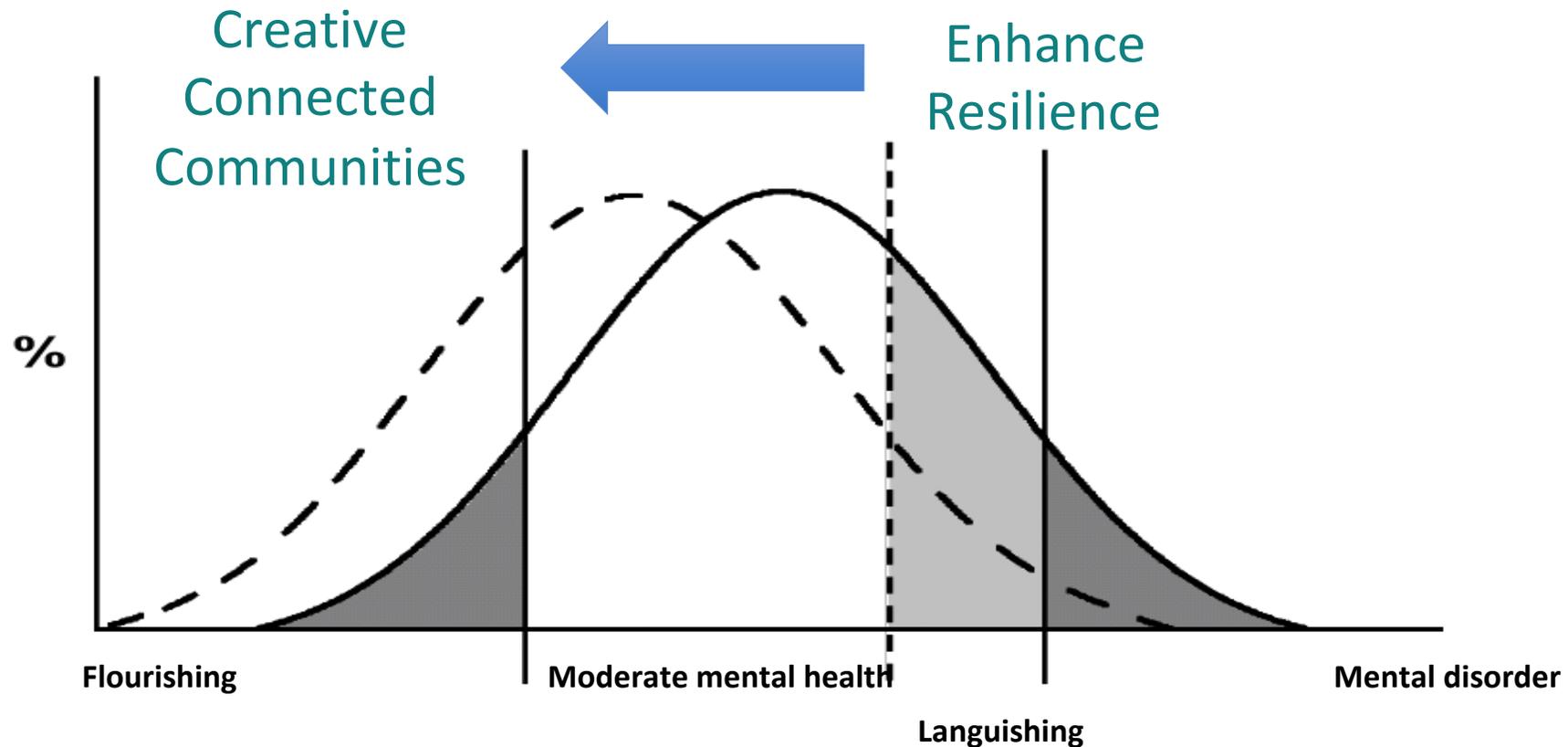
3. A Flourishing – Planet for All - Promote Sustainable Well-Being



Create Connected Communities



***Flourishing: Create Connected Communities -
to enhance innovative nature based solutions for the
Sustainable Well-Being of Future Generations***



Shifting the Population Distribution of Mental Health and Flourishing



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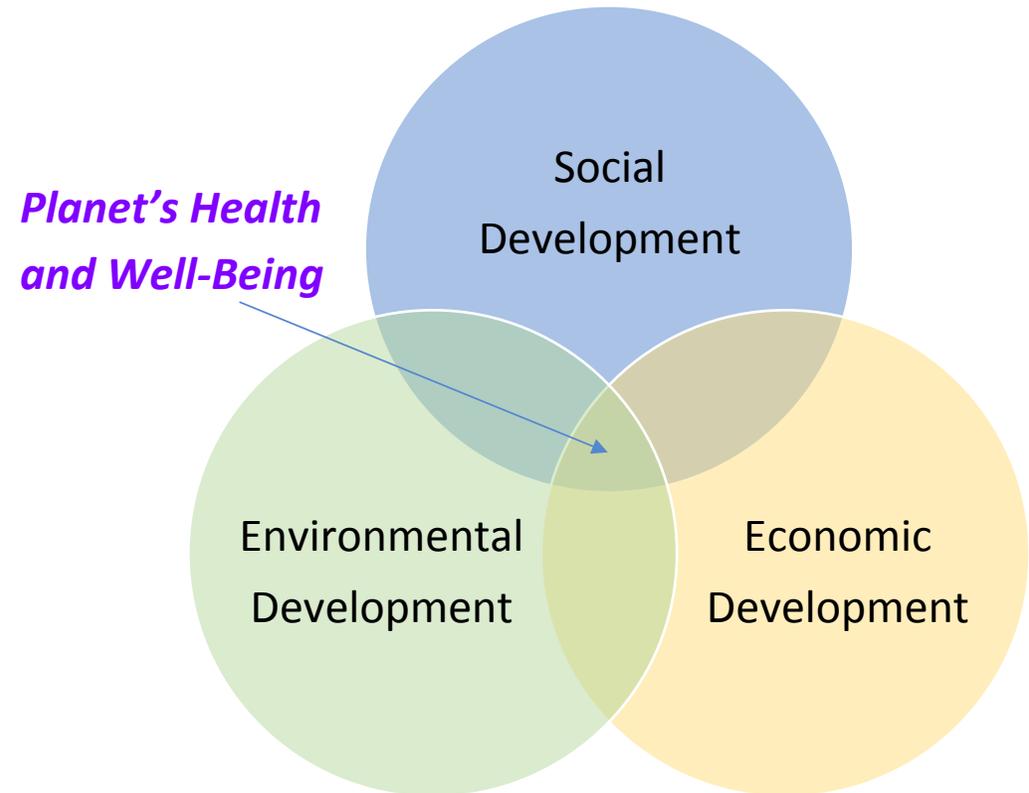
4. Guardianship - for a Healthy Planet: *Enabling the Sustainable Development Goals*



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Guardians for a Healthy Planet: PEGASUS

- **Planetary First Aid** - place the Planet's Health at the centre of decision making to secure the well-being of future generations
- **Emergency Response** – co-ordinate and communicate urgent action to address our Climate Emergency
- **Guardianship** – protect our Planet's Health from risks and promote the Well-being of future Generations
- **Advocacy** - for science based decisions and nature-based responses
- **Solutions** - educate oneself and others on environmental challenges and innovative solutions for the Planet's Health
- **Unify** – act for the well-being of all on this planet, and enable collaborative action for speed and scale
- **Sustain** – hope and inspire action to create a flourishing planet for all

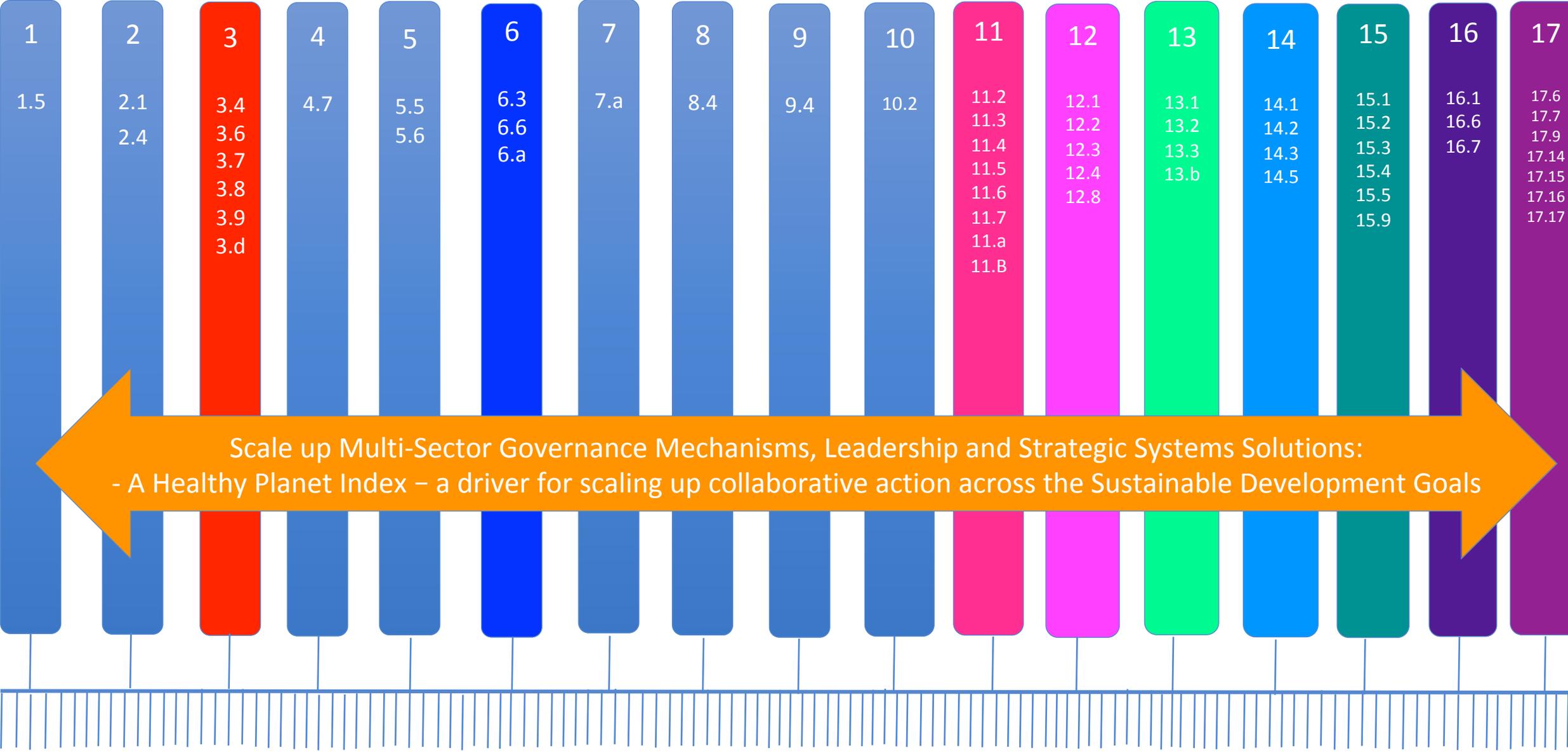


*Planet's Health
and Well-Being*

Core Values:

- *Place the Primacy of the Health of The Planet in all that we do*
- *Act with Speed and Scale to Secure The Well-being of Future Generations*

Guardianship – A Healthy Planet Index to Secure a Healthy Planet for All



Scale up Multi-Sector Governance Mechanisms, Leadership and Strategic Systems Solutions:
- A Healthy Planet Index – a driver for scaling up collaborative action across the Sustainable Development Goals

Manifesto to Secure a Healthy Planet for All - A Call for Action



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5. Collaborative – Community and Health Professional Action

Advocacy and Leading by example:

- **Guardians:** Become Guardians for the Planet's Health and a community advocate
- **Efficient:** Use clean renewable energy sources, insulate buildings and provide accessible community based and digital services
- **Recycle:** dispose of medical waste, plastics, refrigerators and air- conditioners responsibly
- **Protect:** patients from extreme weather events and have emergency plans and processes in place
- **Green:** plant trees around health centers to protect against heatwaves, flooding and to create healthy environments

Patient Advise, Services and Prescriptions:

- **Healthy Food:** Encourage a shift to healthy plant based foods, reduce food waste and optimal energy consumption
- **Physical Activity:** Encourage physical activities like gardening, walking and cycling
- **Green Activity:** Prescribe Green Volunteering, kitchen gardens, community conservation and tree planting
- **Resilient Families:** Provide accessible Maternal and Child Health services, including reproductive and mental health services
- **Quality Services:** Reduce over prescribing and over investigation, increase preventive approaches and empower patients

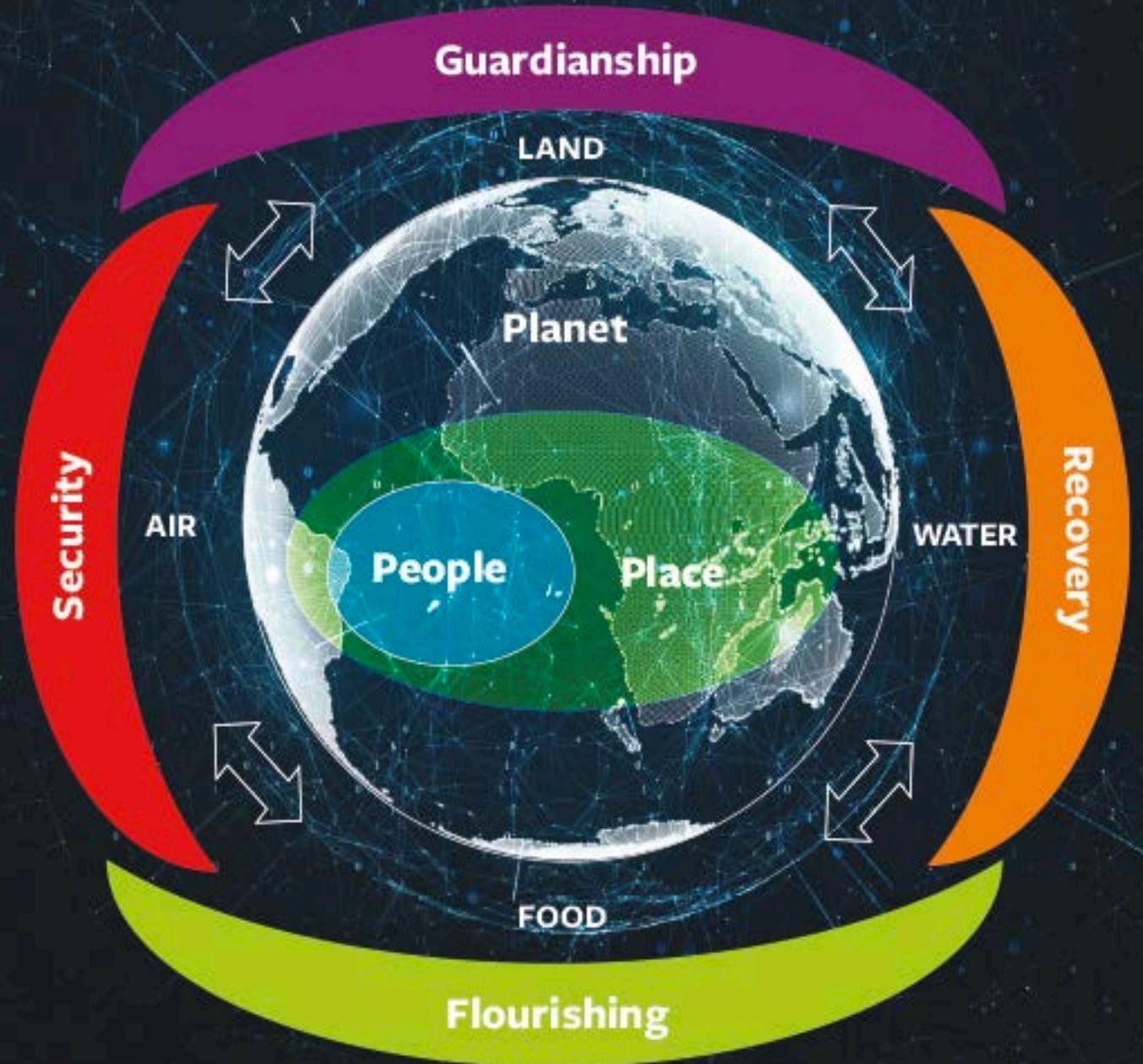
Collaborative Community Action- Rapid Reduction of Carbon to Secure Planetary Health for All

Sector	Total Reduction of CO2E GT	Net Cost \$ Billions	Net Savings \$ Billions
Food	322	\$777	\$10,017
Energy	247	\$4,896	\$21,447
Land Use	150	\$64	\$1,250
Women and Girls	121	NA	\$88
Materials	112	\$1,125	\$1,039
Buildings & Cities	54	\$4,778	\$17,906
Transport	46	\$15,676	\$22,666
Total	1,052	\$27,316	\$74,413

Drawdown – the most comprehensive plan ever proposed to reverse global warming; Paul Hawken, Penguin, 2017: <http://www.drawdown.org>

SECURING A HEALTHY PLANET FOR ALL

'A MANIFESTO TO SECURE A HEALTHY PLANET FOR ALL'
- A CALL FOR EMERGENCY ACTION



Manifesto to Secure a Healthy Planet for All – A Call for Emergency Action - *30 Endorsing Organisations:*



- ***InterAction Council (former heads of government group)***
- World Federation of Public Health Associations
- World Psychiatric Association
- International Federation of Environmental Health
- World Organisation of Family Doctors – Working Group on the Environmental
- International Union for the Conservation of Nature – Urban Alliance
- Commonwealth Medical Association
- Commonwealth Centre for Digital Health
- Commonwealth Local Government Forum
- Commonwealth Royal Society
- Commonwealth Association of Science, Technology and Mathematics Educators
- Commonwealth Human Ecology Council
- Commonwealth Association of Museums
- Commonwealth Association of Planners
- NCD Alliance
- Planetary Health Alliance
- One Young World
- International Federation of Medical Students Association
- Arab World Association of Young Scientists
- Welsh Commission for the Well-Being of Future Generations
- Salzburg Global Seminar
- Engineers for Social Responsibility Inc.
- School of International Futures
- Faculty of Public Health, UK
- University of Southern Denmark and Danish Public Health Institute
- Chartered Institute of Environmental Health
- Foundation for Democracy and Sustainable Development
- Association of International Accountants
- World Health Summit and M8 Alliance
- Islamic World Academy of Sciences



Follow up Actions and Next Steps:

Dissemination of the Manifesto:

- Through Organisational Networks and Social Media
- If further organisations wish to endorse or support the manifesto, please put a statement on your website and link to the Manifesto on the InterAction Council website

UN SG Climate Summit:

- Presentation of the Manifesto at a side event at the United Nations Climate Summit

Convene follow up meetings:

- Collaborative events, meetings and round-tables

Digital Platform to be established:

- Hosted by Southampton University for 'Universal Health Systems for Planet Place and People' as a Hub of the 'Commonwealth Centre for Digital Health' – engaging collaborative partners to create a common good for securing a healthy planet for all

Profile at future conferences and events:

- One Young World Summit – 22nd- 25th October 2019, London
- World Federation of Public Health Associations Congress, Rome 2020
- 'Nightingale 2020' Conference – London 27-28th October 2020