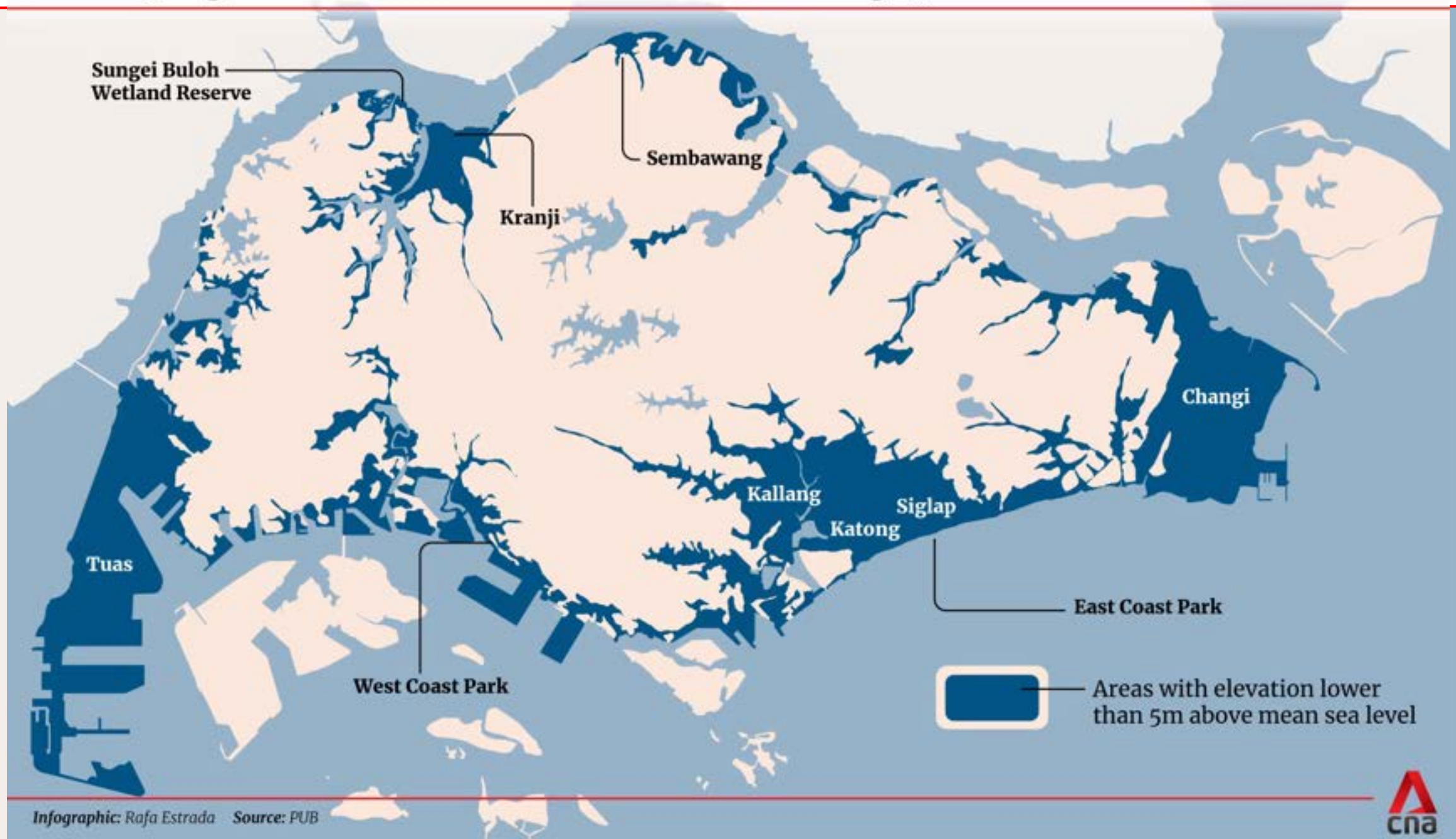
Greening Singapore

Lessons and Inspirations for Healthcare

Why
Green

Low-lying areas at risk if sea levels rise in Singapore

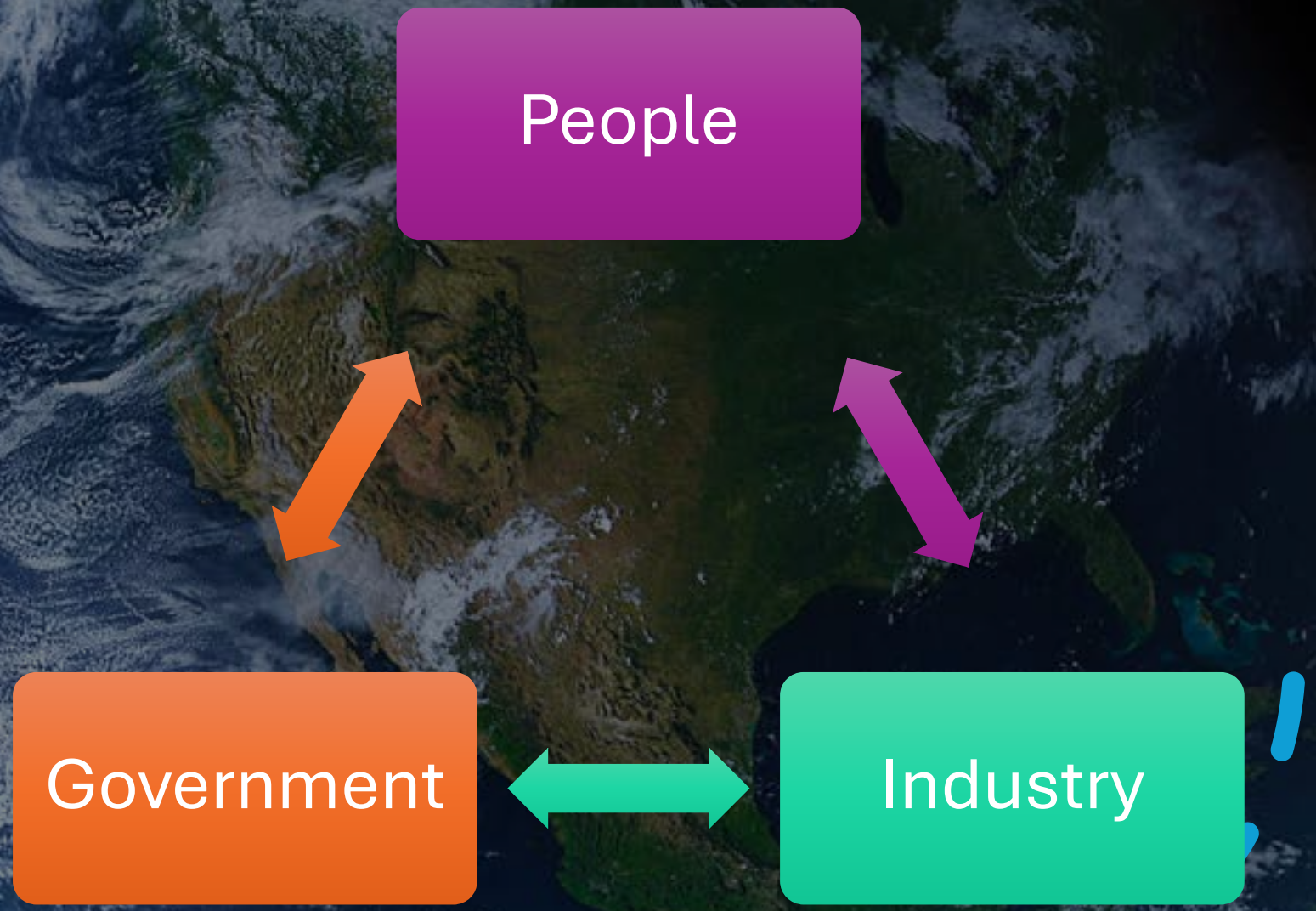


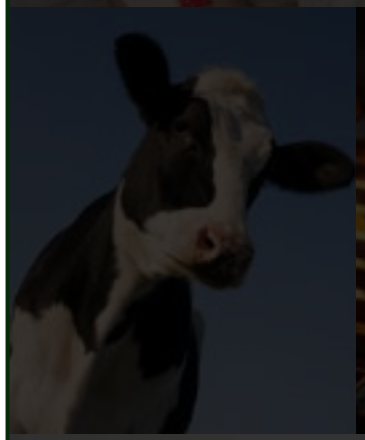
Infographic: Rafa Estrada *Source:* PUB

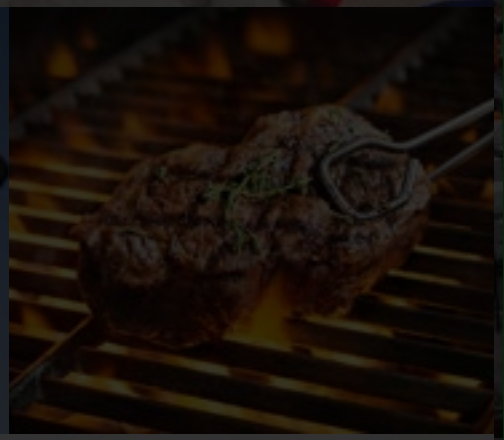
cna

Why
Me

Components of the Sustainability Ecosystem



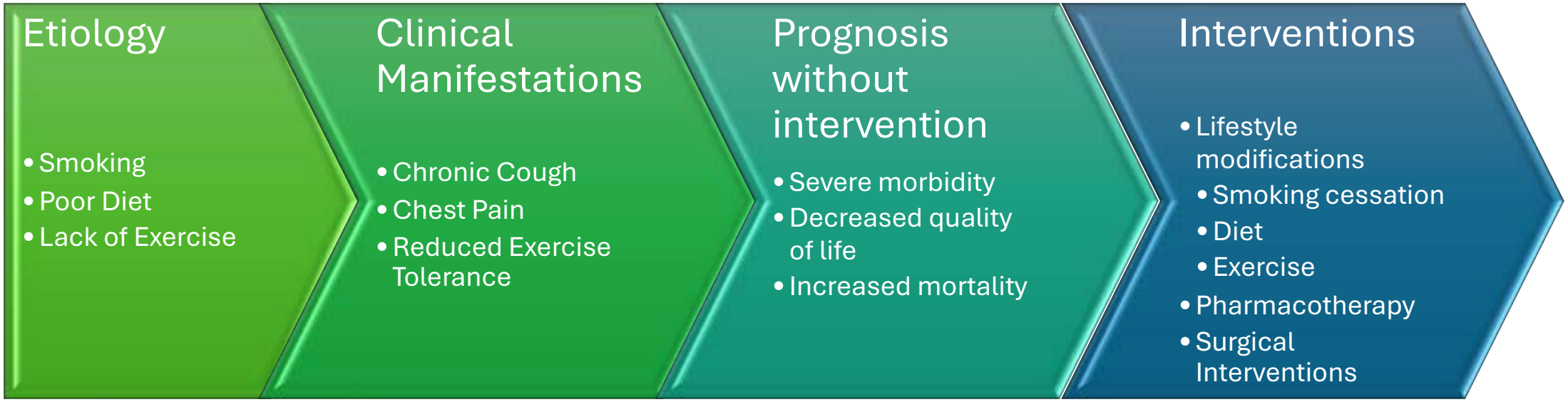




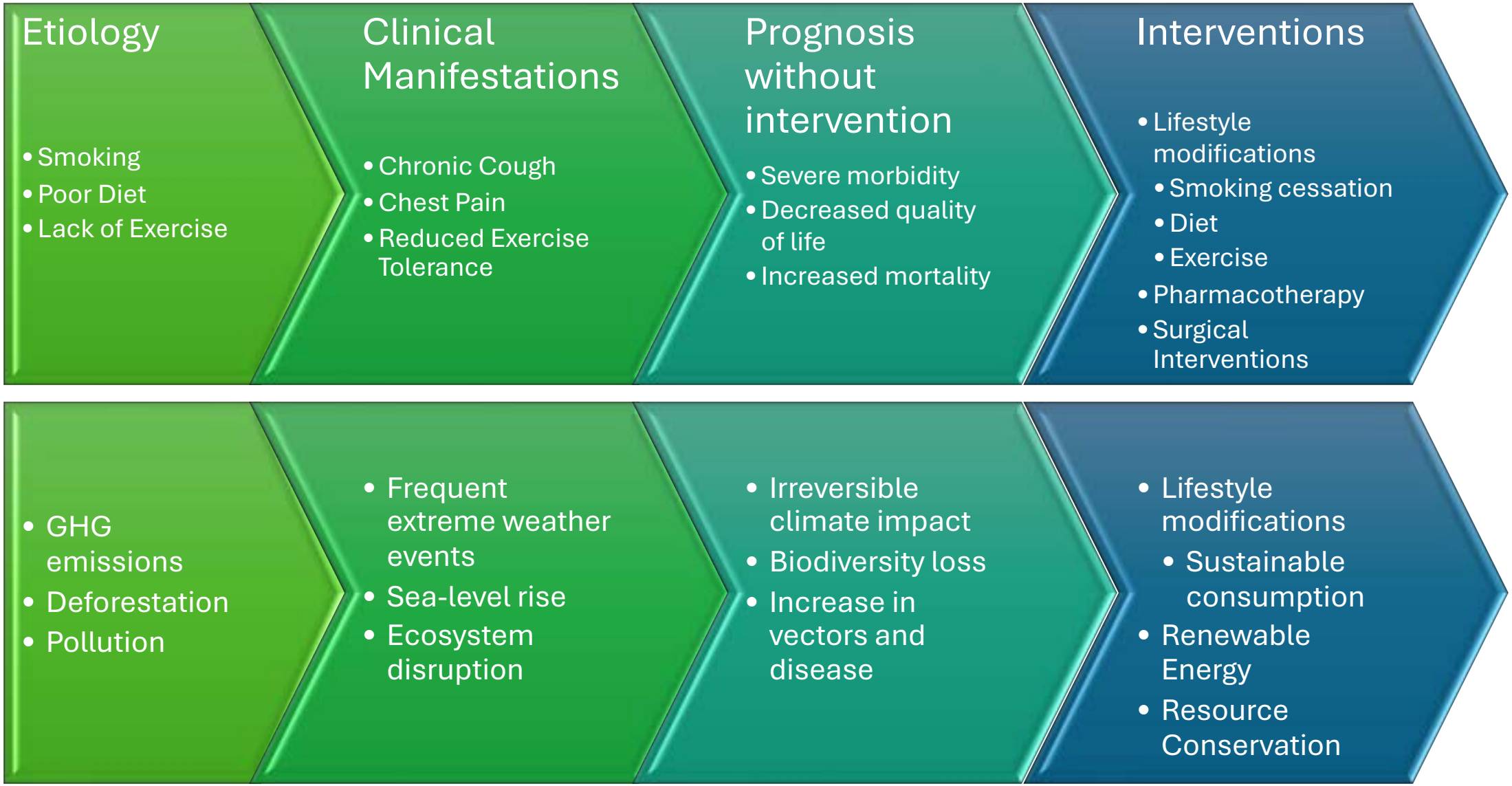
Why

Now

Healing the Planet



Healing the Planet



Climate Related Medical Insights

"hot nights" (>28 °C) raise the risk of death by 2.43%, while five consecutive "hot nights" will raise the risk to 6.66%

- *Institute of Future Cities, Chinese University of Hong Kong, 2020*

7% increased risk
of stroke following tropical nights.

- *Augsburg University Hospital in Germany, 2024*

17% increase in risk for developing dementia for every 2 μg/m^3 increase in average annual exposure to PM2.5

- *Ambient air pollution and clinical dementia: systematic review and meta-analysis, 2022*

The US CDC issues dengue alert as dengue infection in Americas over 6 months is more than double the 2023 total infection rate

- 27 June 2024

Healthcare Emissions per Capita by Country

Top emitters: (over 1t per capita)	Major emitters: (between the 0.50t and 1t per capita)	Higher than average emitters: (between global average 0.28t and 0.50t per capita)	Lower than average emitters	Unknown
Australia	Austria	Bulgaria	Brazil	Rest of World
Canada	Belgium	Cyprus	China	
Switzerland	Denmark	Czech Republic	Croatia	
United States	Estonia	France	Hungary	
Singapore	Finland	Greece	India	
	Germany	Italy	Indonesia	
	Ireland	Malta	Latvia	
	Japan	Poland	Lithuania	
	Korea	Portugal	Mexico	
	Luxembourg	Slovenia	Romania	
	Netherlands	Spain	Slovak Republic	
	Norway	Sweden	Turkey	
	Russia	European Union		
	Taiwan			
	United Kingdom			

Global Road Map for Health Care Decarbonisation (Healthcare without Harm & ARUP), 2021

SG GREEN PLAN

City in Nature

Sustainable Living

Energy Reset

Green Economy

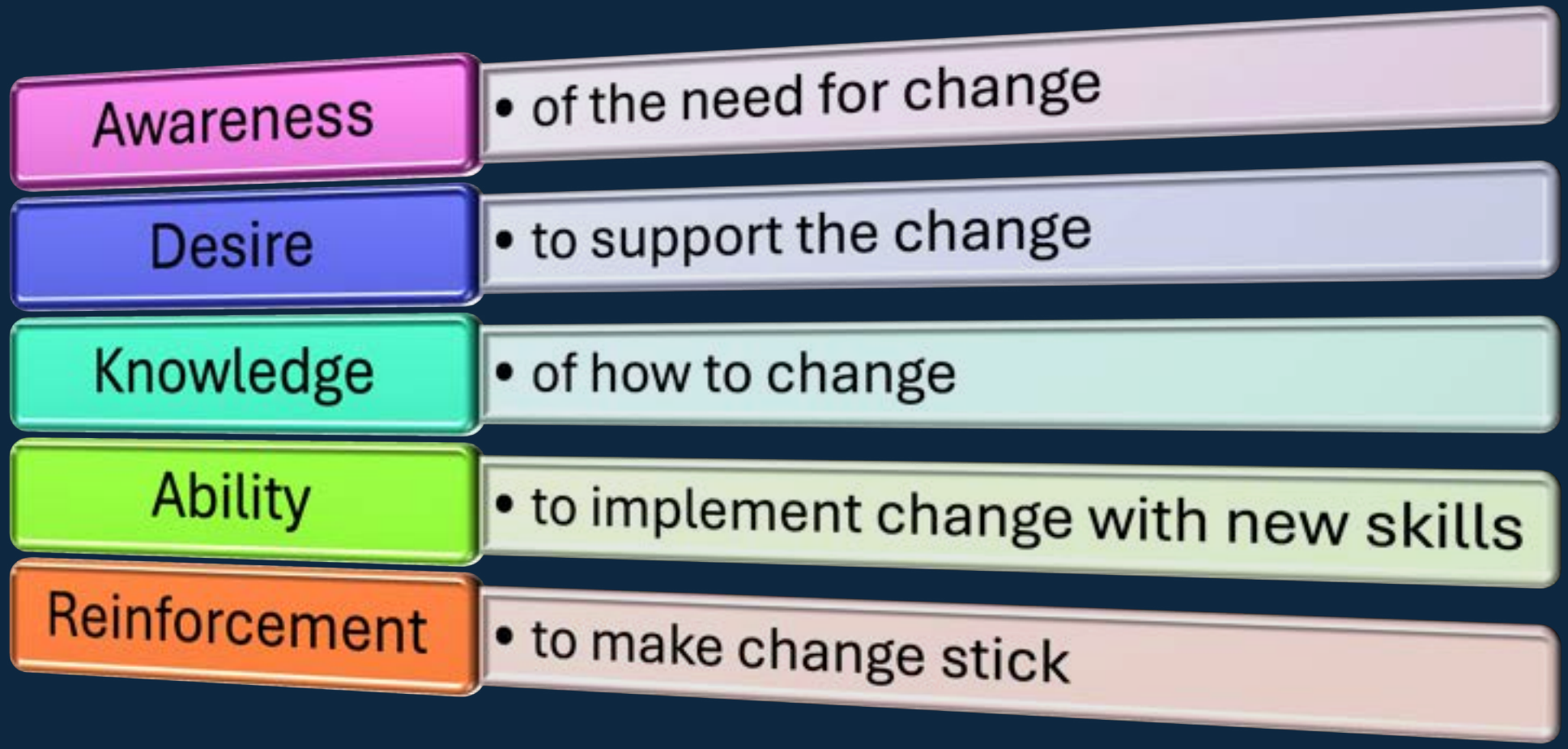
Resilient Future

Green Government and Green Citizenry as Key Enablers

SG GREEN

City in Nature	>640K	>43 ha of nature habitats	380km park connectors
Sustainable Living	50-80% reduction	15% reduction	Recycling in 72% households
Energy Reset	H_2 ready powerplant	>1GWp solar	30% new registrations
Green Economy	1.6 – 5x green jobs by 2027		> 100 firms offering carbon services
Resilient Future	Long Island planning on track		Lim Choo Kang Agri-Park in progress

ADKAR Change Model – by Prosci



Barriers to change are real ...

Constraints of Recycling at Workplace :

Cost – Unjustifiable for recycling

Low Quantity – Load unable to justify recycling carbon footprint

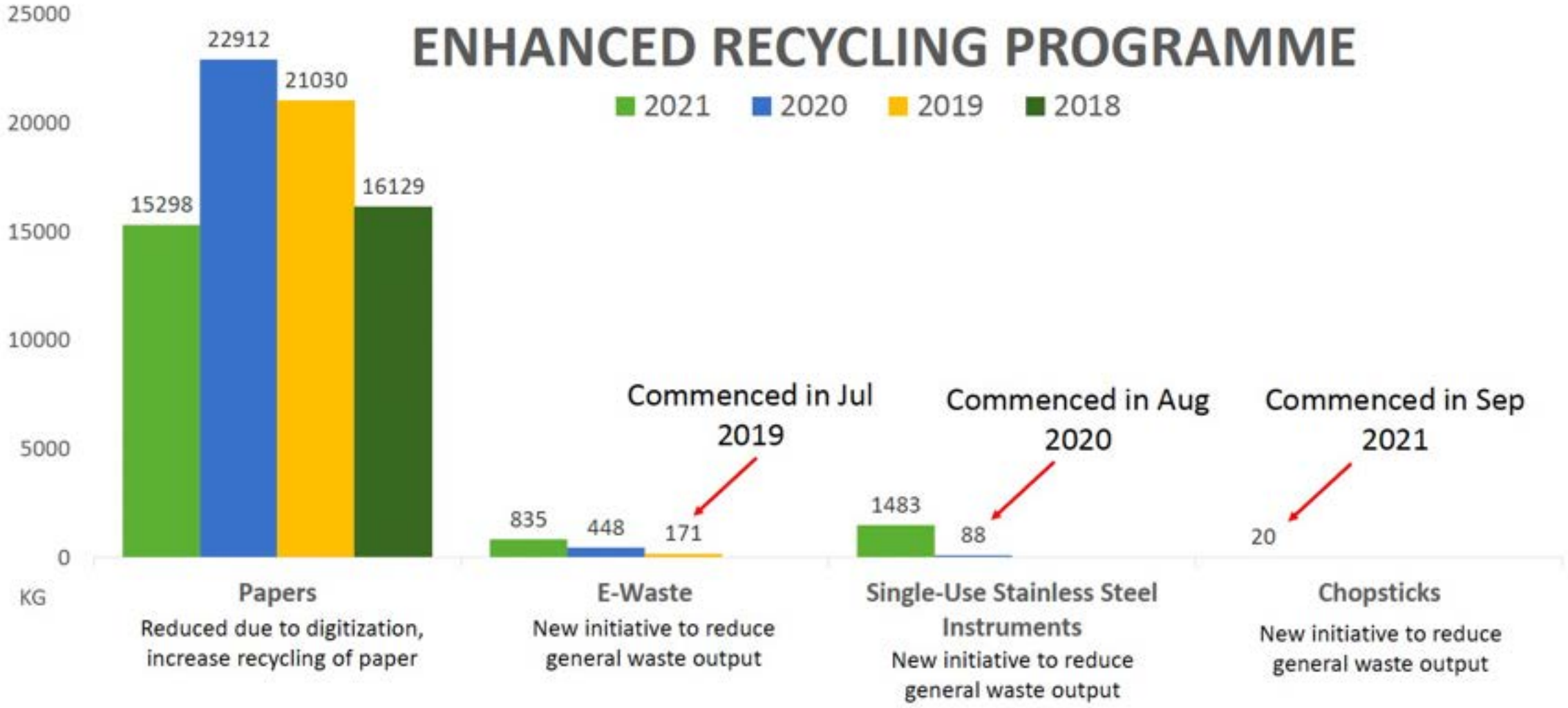
Contaminates – Wrongly discarded into recycle bins

Mixed-Material – Item is with more than 1 form of materials

Resource Limitation – Space and manpower constraint

Human Behaviour – Reluctant for change, limited or wrong knowledge on recycling

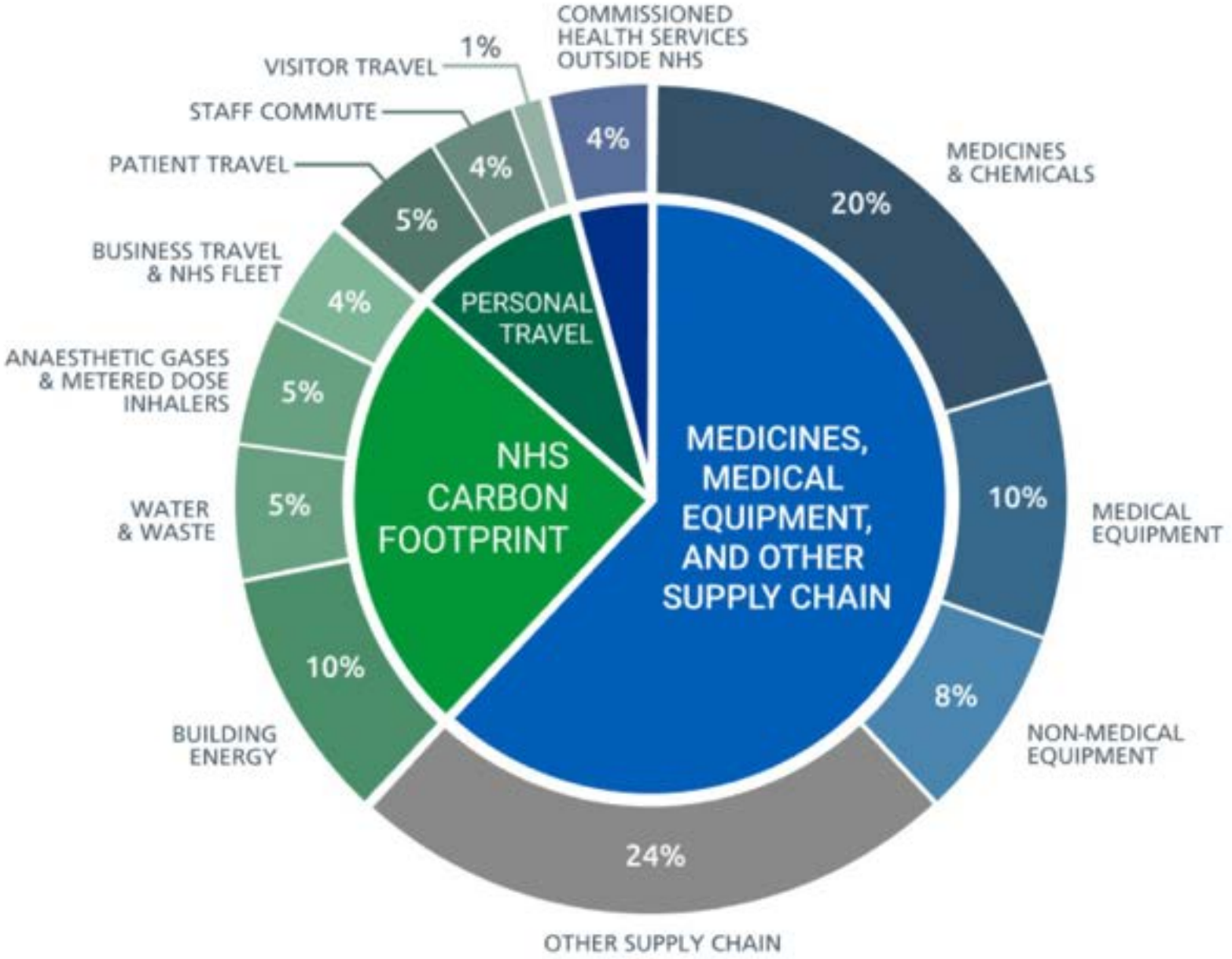
… but SGH overcame these barriers



Enhanced Recycling Programme to Reduce and Minimise Waste Generated in SGH Campus

Know Your Footprint

Sources of carbon emissions by proportion of NHS Carbon Footprint Plus



Physician's Pledge

I solemnly pledge to:
dedicate my life to the ***service of humanity****;*
give due respect and gratitude to my teachers;
practise my profession with conscience and dignity …

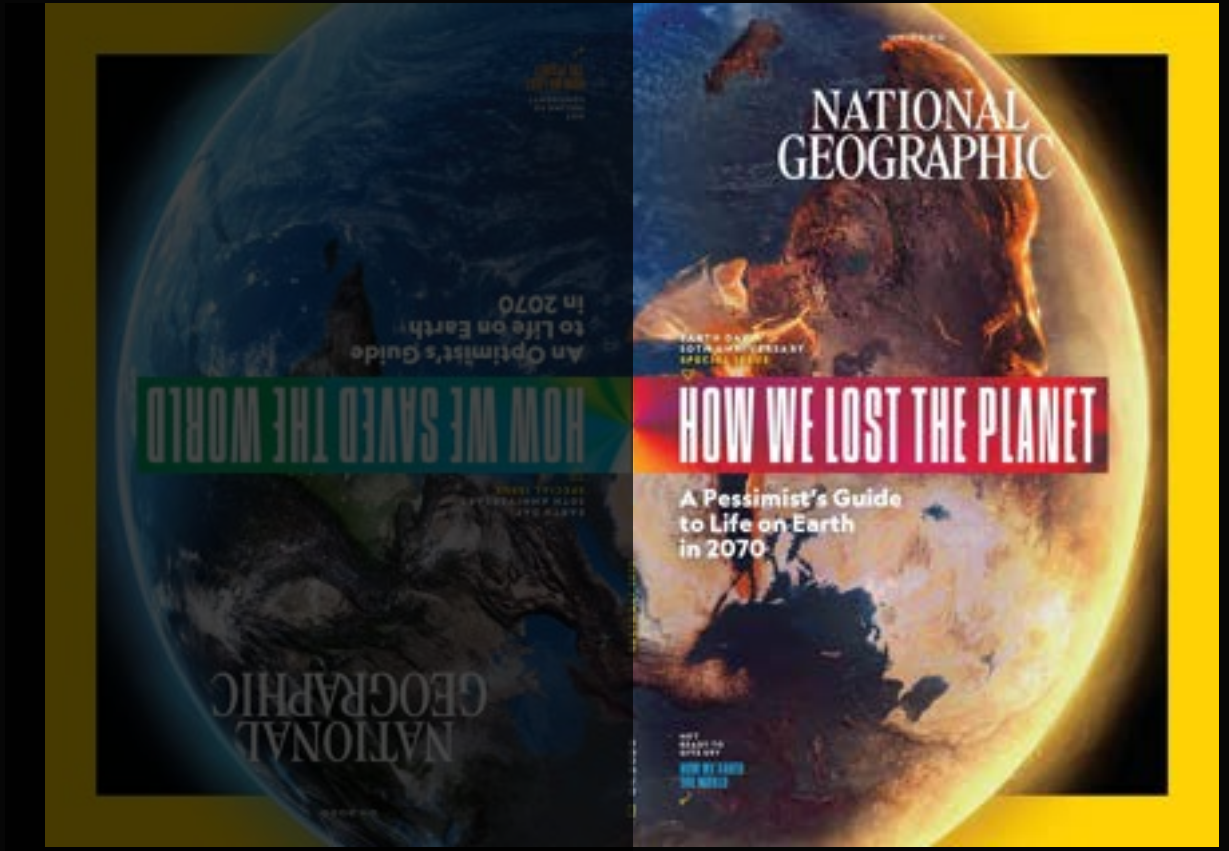
… and constantly strive to ***add to my knowledge and skill****.*

I make these promises solemnly, freely and upon my honour.

Thank You

BUSINESS AS USUAL

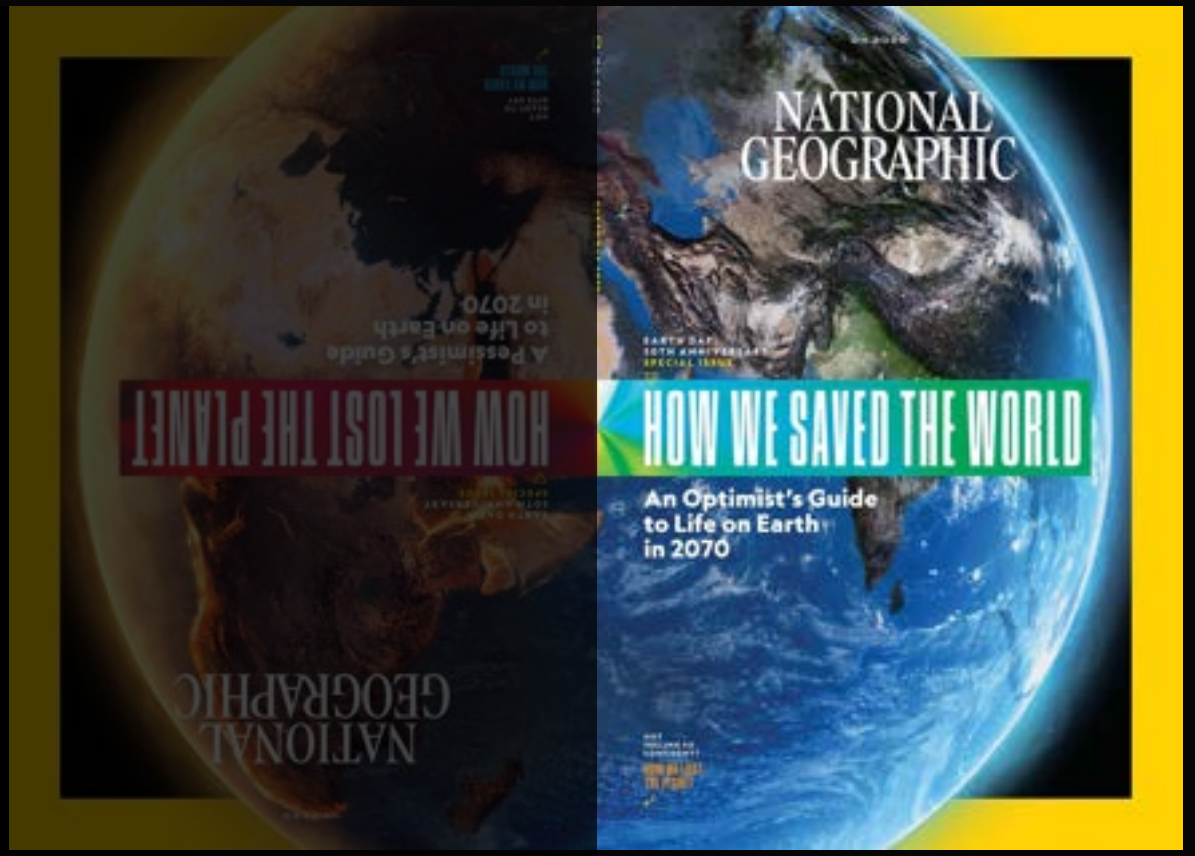
前人种树　当人乘凉



当人砍树　后人遭殃

BUSINESS *UNUSUAL*

前人种树



后人乘凉