

Opportunities for building climate resilient and low carbon sustainable health care facilities

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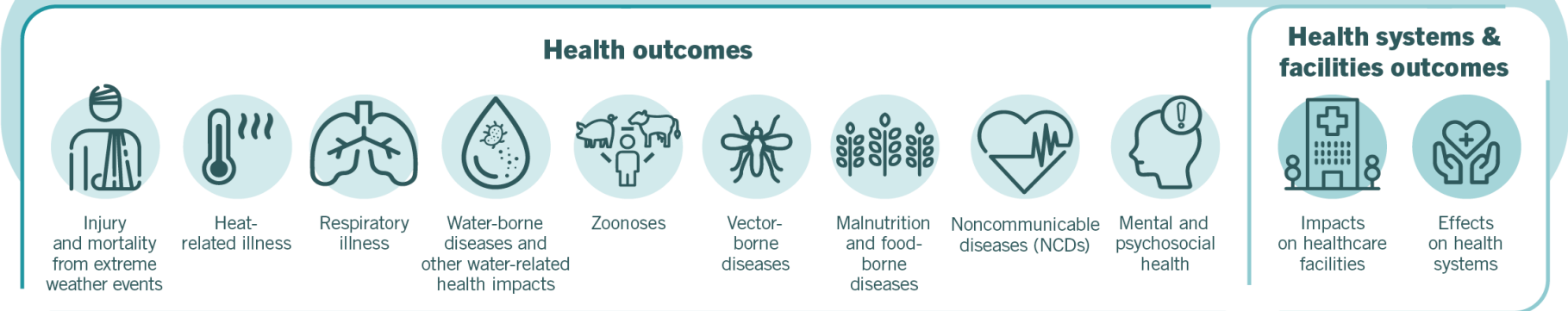
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Climate change

Vulnerability

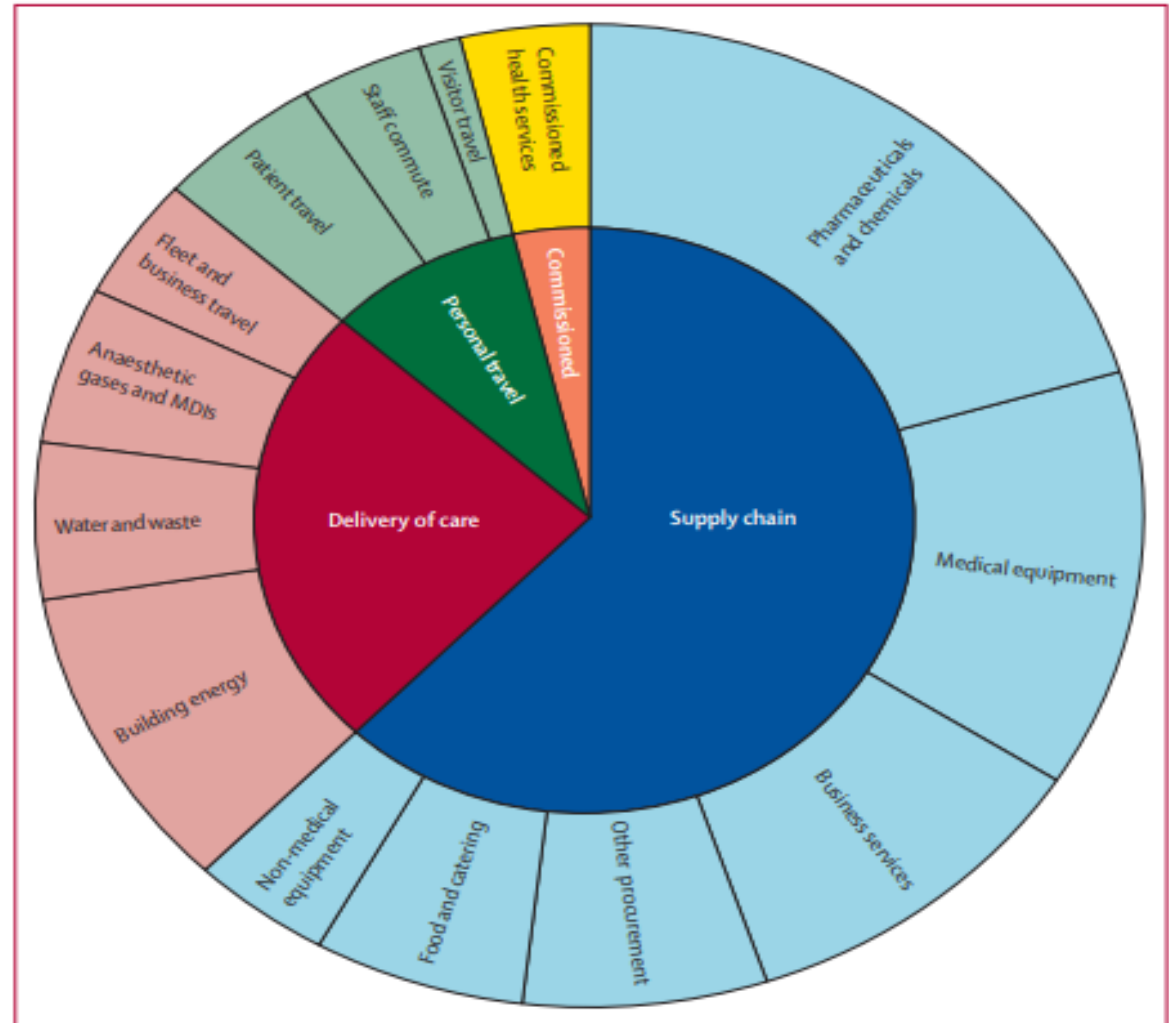


Climate-sensitive health risks



Health Care's Climate Footprint

- Between 4.4% to 5.2% of World's GHG emissions are from the Health care sector
- Emissions equal to over 500 coal gas fired thermal power plants
- Over 70% of the global climate footprint is from Supply chain procurement



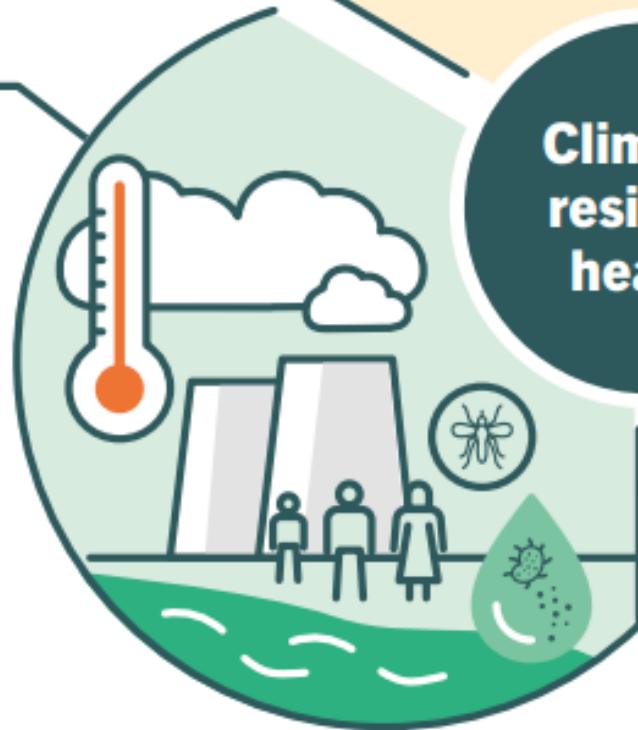
Contribution of different sectors to the greenhouse gas emissions of the NHS England, 2019

Key Focus Areas

To advance climate-resilient health, WHO works in three key focus areas:

1

Addressing the wide range of health impacts of climate change



Climate-resilient health

2

Strengthening the climate resilience and environmental sustainability of health systems and facilities



3

Promoting the health co-benefits of climate change mitigation in other sectors



World Health Organization

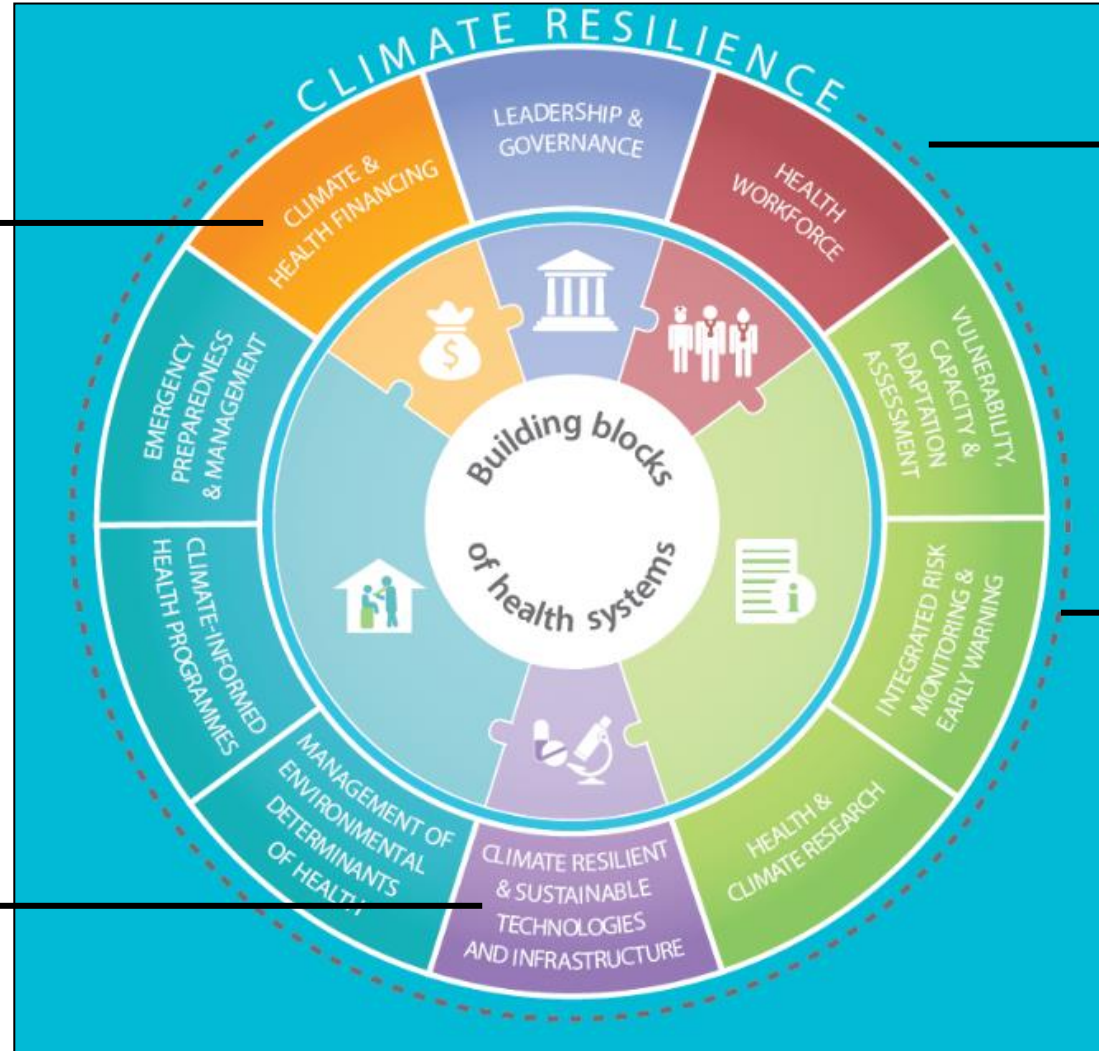
Strengthen health *system* resilience to climate change



GREEN CLIMATE FUND

Health access to climate finance

Resilient, sustainable health facilities

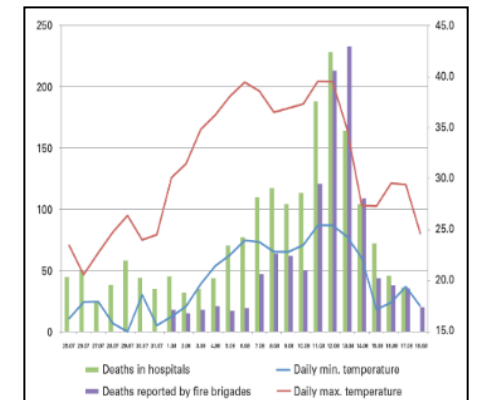


WHO Operational Framework for Building Climate-Resilient Health Systems (2015)

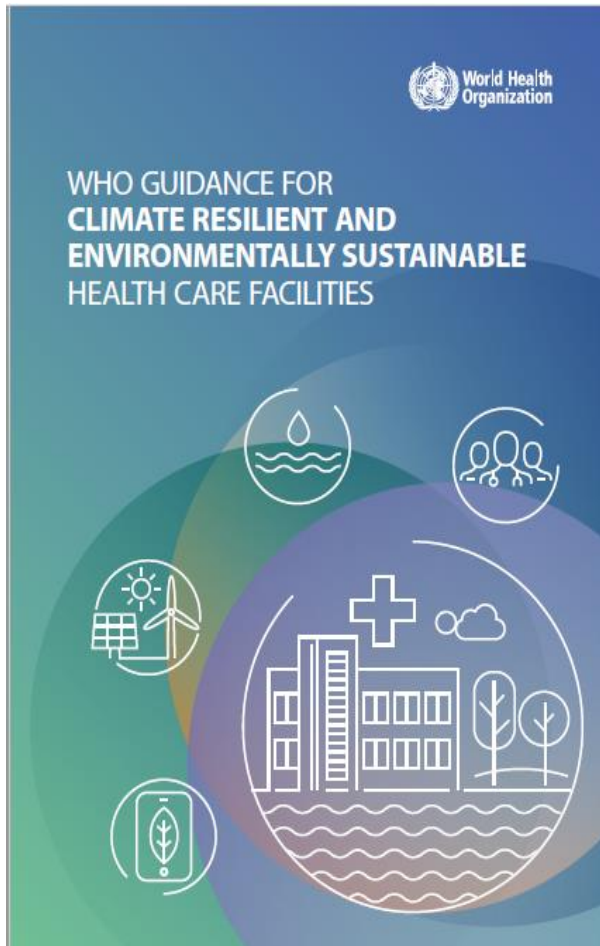


Health workers trained, engaged on climate

Climate informed surveillance systems



WHO Guidance on climate-resilient and environmentally sustainable health care facilities



GOAL: To increase the climate resilience of health care facilities to protect and improve the health of their communities in an unstable and changing climate, while optimizing the use of resources and minimizing the release of wastes by becoming environmentally sustainable.

Interventions table 4.3.1C – Health and safety regulation: Regulations on energy use and access are implemented taking into consideration climate variability and change, and environmental sustainability.

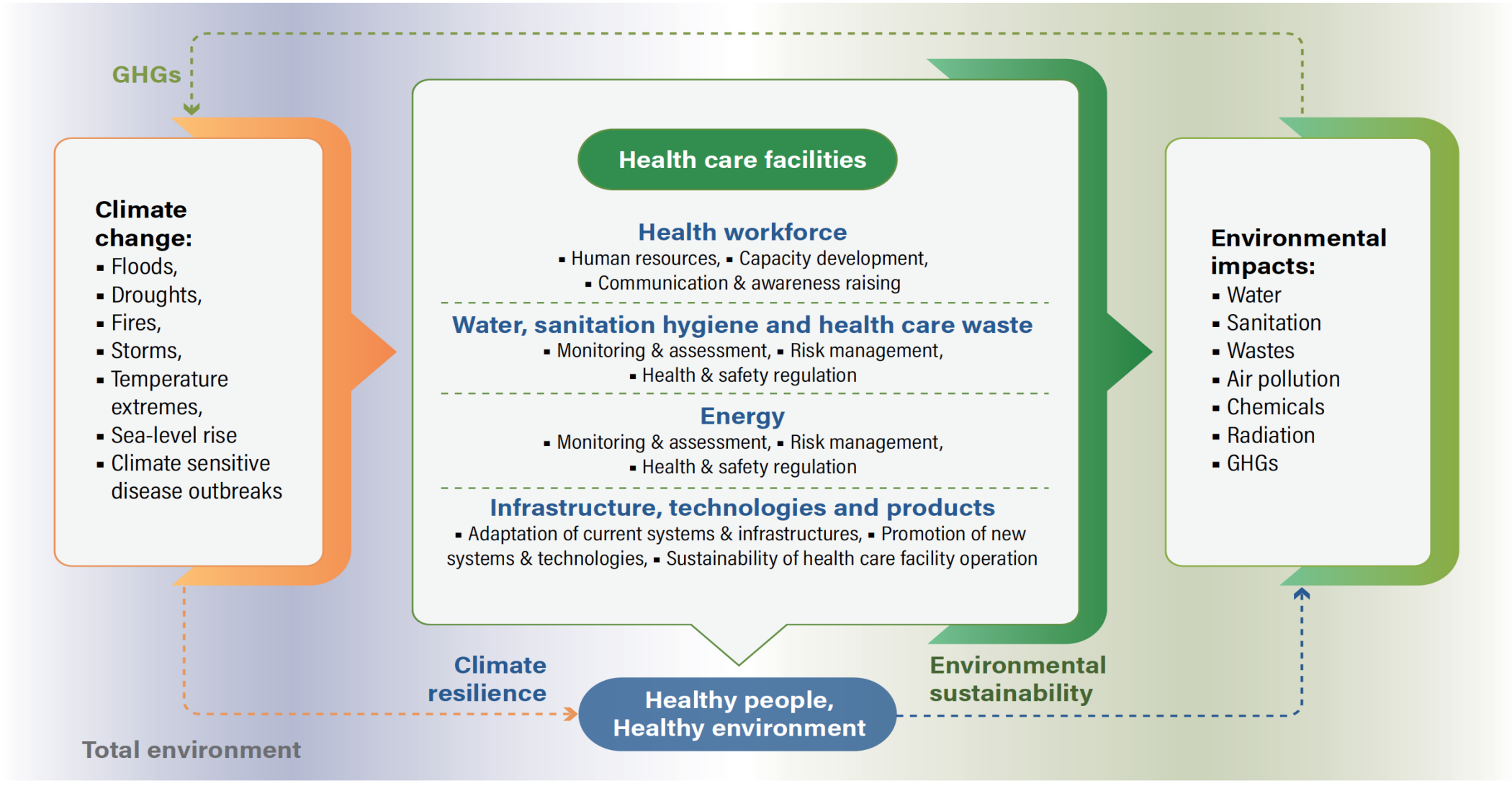
(Energy – climate resilience)

Interventions (level of achievement) ■ Low, unavailable, unable ■ Medium, in progress, incomplete ■ High, completed, achieved	Action level			Observations
	■	■	■	
Updated building insulation and windows to comply with energy codes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency electricity generators available to provide required electrical power if the municipal grid, or if the internal normal electrical system fails*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Critical back-up power supplies available for building infrastructure (such as electrical power, heating and cooling)*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Solar water heaters available for health care facility's hot water needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Backup energy equipment sufficiently elevated in areas prone to floods and anchored in areas prone to strong winds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate backup energy source is available if the main source fails during an extreme weather event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate lighting, communications, refrigeration and sterilization equipment are available during climate related disasters or emergencies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

(Energy – environmental sustainability)

Interventions (level of achievement) ■ Low, unavailable, unable ■ Medium, in progress, incomplete ■ High, completed, achieved	Action level			Observations
	■	■	■	
Established education and awareness campaigns to reduce energy use with the participation of all staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Developed system of good practices of energy use conservation with incentives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Developed a culture of energy saving by turning off office lights, computers and other equipment, and unplugging electronic devices when not in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Established strategies to lower energy use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Designed features that maximize natural ventilation such as high ceilings, large windows and skylights (without compromising the structural integrity of the building)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Developed an energy management plan to measure energy consumption*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Optimized the use of on-site renewable energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Renewable energy powers energy efficient lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Framework for building climate resilient and environmentally sustainable health care facilities



Climate-resilient health systems

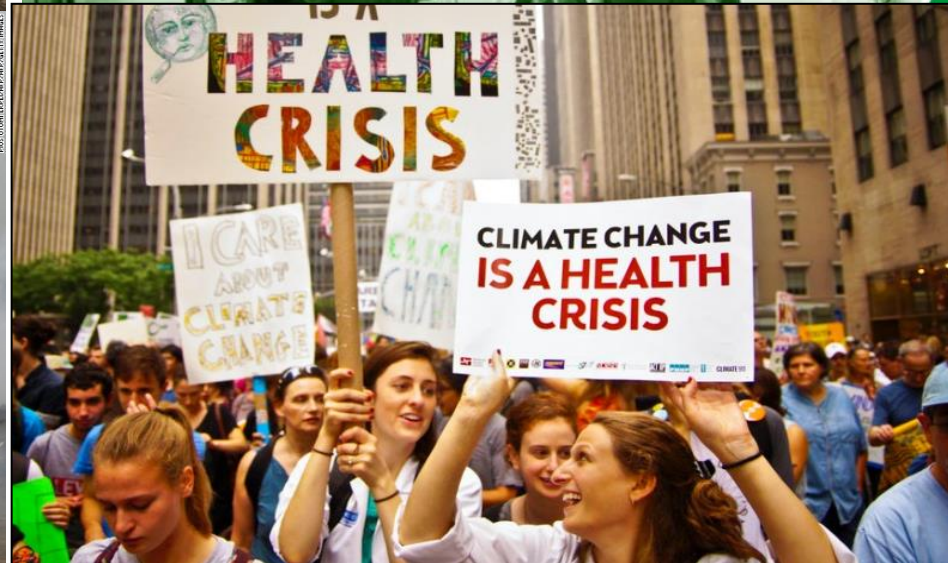


Promoting healthy NDCs

Health Leadership in Emissions Reduction



Delivering a 'Net Zero' National Health Service



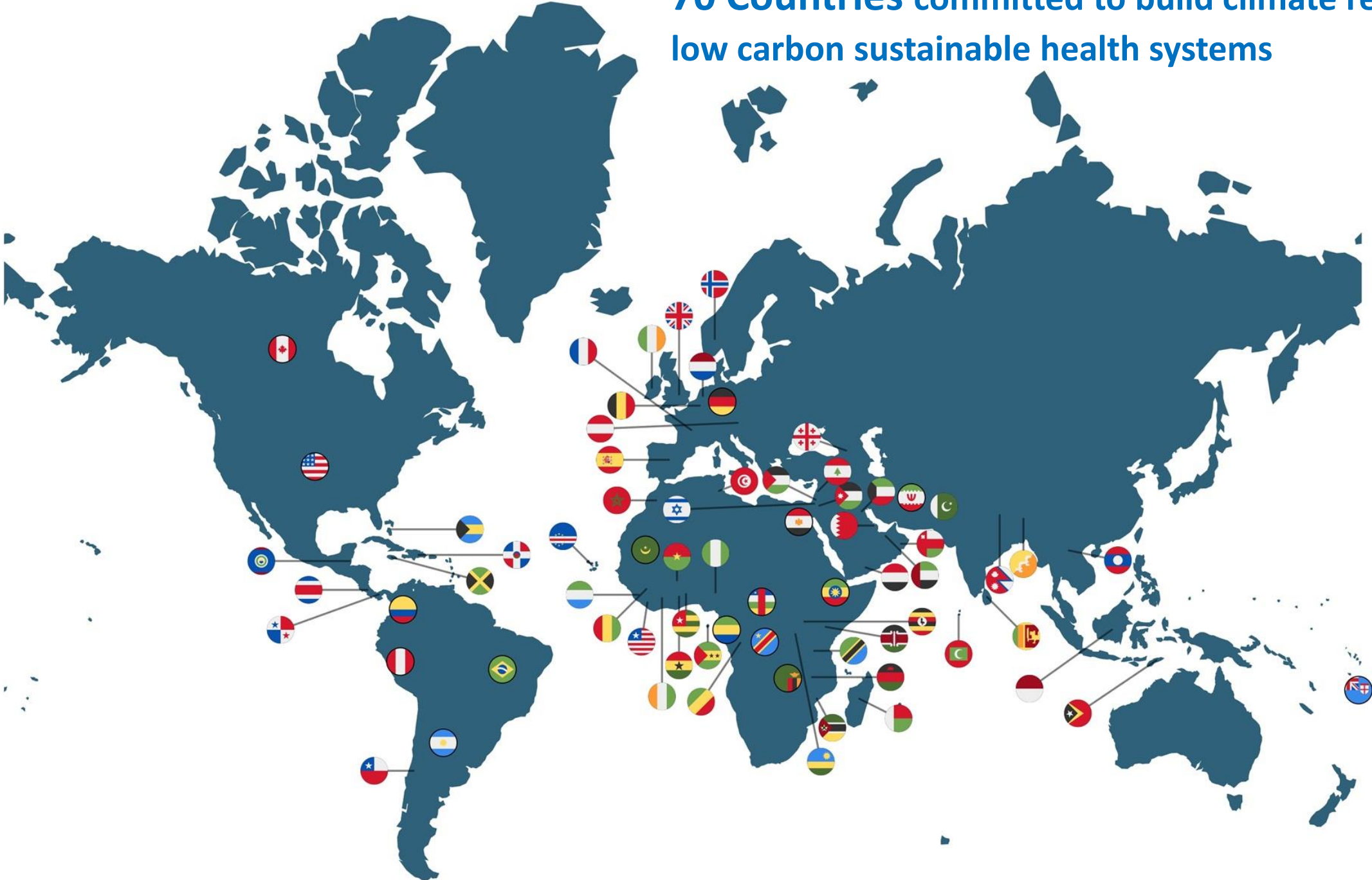
Mobilizing health voices for climate action

COP26

Health

Programme

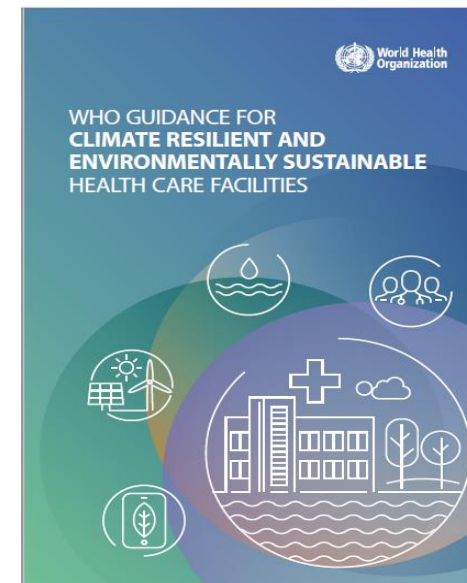
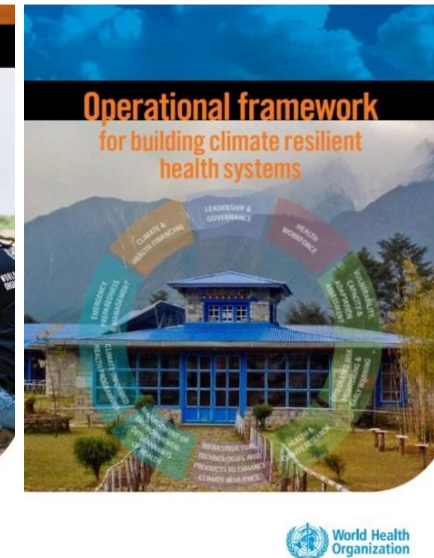
70 Countries committed to build climate resilient & low carbon sustainable health systems



COP26 Health Initiatives and Alliance on Transformative Action on Climate and Health (ATACH)

Countries commit to:

- Conduct climate change and health vulnerability and adaptation assessments (V&As) at population and/or HCF level;
- Develop a Health National Adaptation Plan (HNAP) informed by the V&A;
- Use the V&A and HNAP to facilitate health access to climate change funding;
- High ambition/high emitters: Commitment to set a target date by which to achieve health system net zero emissions (ideally by 2050).
- All countries: Commitment to deliver a baseline assessment of GHG emissions of the health system (including supply chains)
- All countries: Commitment to develop an action plan or roadmap by a set date to develop a sustainable low carbon health system.



What do countries need? **Political ambition**



COP26/27 Presidency Health Initiatives.

70 countries committed to

- Strengthen health resilience to climate risks
- Build climate resilient, low-carbon health systems



ATACH brings together:

Countries, UN Agencies, MDBs, NGOs, technical experts

To support delivery through:

Advocacy, technical support, knowledge sharing, monitoring and access to finance



Thank you!!

[WHO Climate Change and Health website](#)

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