



# Action on Health and Climate Change that Counts

RACP Congress 2018  
Sydney, Australia

Dr Nick Watts | Executive Director  
@LancetCountdown



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# Lancet Countdown Partners

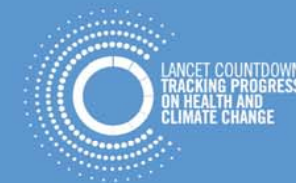


# Indicators of Progress

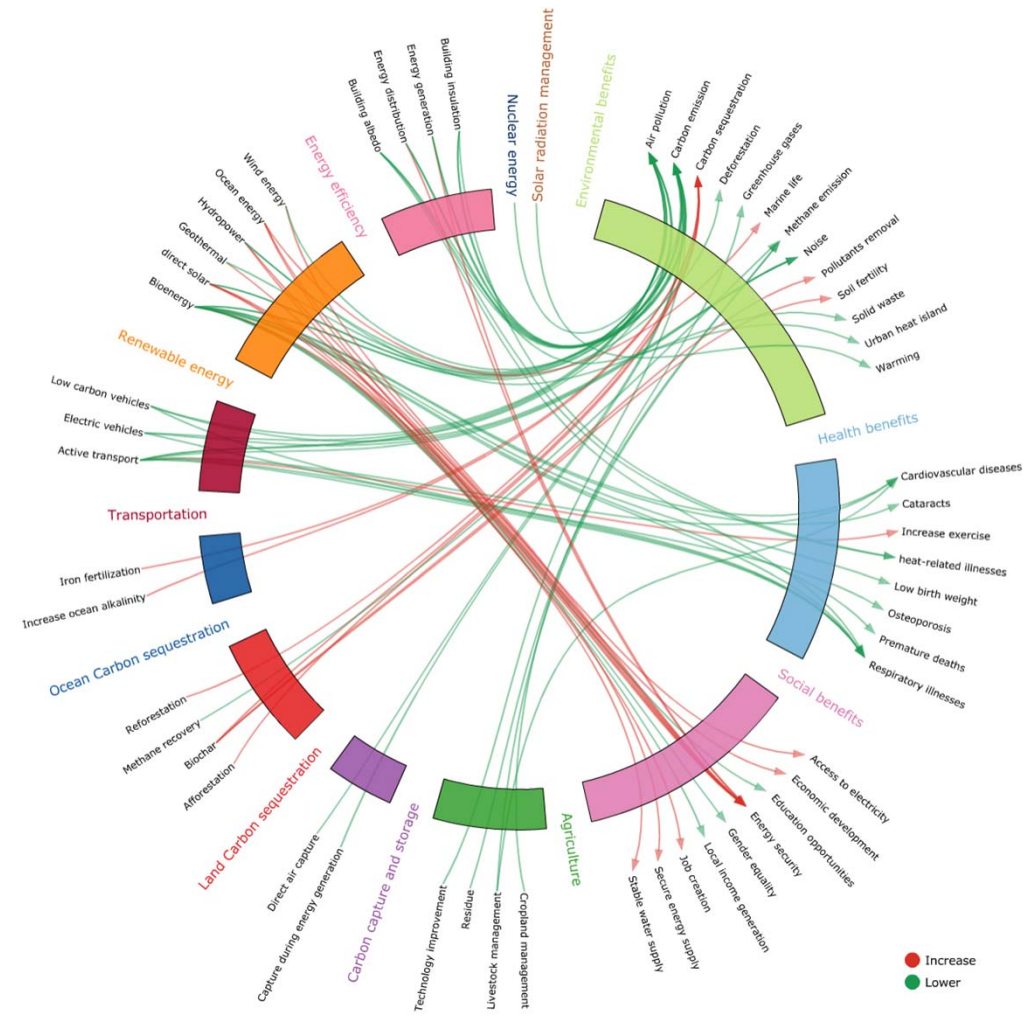


Thematic Group	Indicators	
<b>1. Climate Change Impacts, Exposures and Vulnerability</b>	1.1. Health effects of temperature change	
	1.2. Health effects of heatwaves	
	1.3. Change in labour capacity	
	1.4. Lethality of weather-related disasters	
	1.5. Global health trends in climate-sensitive diseases	
	1.6. Climate-sensitive infectious diseases	
	1.7. Food security and undernutrition	1.7.1. Vulnerability to undernutrition 1.7.2. Marine primary productivity
	1.8. Migration and population displacement	
<b>2. Adaptation Planning and Resilience for Health</b>	2.1. National adaptation plans for health	
	2.2. City-level climate change risk assessments	
	2.3. Detection, preparedness, and response to health emergencies	
	2.4. Climate information services for health	
	2.5. National assessment of vulnerability, impacts and adaptation for health	
	2.6. Climate-resilient health infrastructure	
<b>3. Mitigation Actions and Health Co-Benefits</b>	3.1. Carbon intensity of the energy system	
	3.2. Coal phase-out	
	3.3. Zero-carbon emission electricity	
	3.4. Access to clean energy	
	3.5. Exposure to ambient air pollution	3.5.1. Exposure to air pollution in cities 3.5.2. Sectoral contributions to air pollution 3.5.3. Premature mortality from ambient air pollution by sector
	3.6. Clean fuel use for transport	
	3.7. Sustainable travel infrastructure and uptake	
	3.8. Ruminant meat for human consumption	
	3.9. Healthcare sector emissions	

# Indicators of Progress



<b>4. Economics and Finance</b>	4.1. Investments in zero-carbon energy and energy efficiency	
	4.2. Investment in coal capacity	
	4.3. Funds divested from fossil fuels	
	4.4. Economic losses due to climate-related extreme events	
	4.5. Employment in low-carbon and high-carbon industries	
	4.6. Fossil fuel subsidies	
	4.7. Coverage and strength of carbon pricing	
	4.8. Use of carbon pricing revenues	
	4.9. Spending on adaptation for health and health-related activities	
	4.10. Health adaptation funding from global climate financing mechanisms	
<b>5. Public and Political Engagement</b>	5.1. Media coverage of health and climate change	5.1.1. Global newspaper reporting on health and climate change
		5.1.2. In-depth analysis of newspaper coverage on health and climate change
	5.2. Health and climate change in scientific journals	
	5.3. Health and climate change in the United Nations General Assembly	



# Counting Health and Climate Change



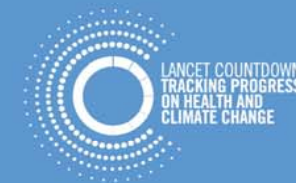
## Counting Health and Climate Change:

- Interacts with almost all of the environmental and social determinants of health
- Attribution to climate change is complex
- Attribution to health outcome is even more challenging
- Climate change indicators must move across temporal and geographical scales
- Inherently global drivers, with interest in local outcomes

## Counting in Small Island Developing States:

1. Limited resources available to support National Statistical Offices
2. Technical complexities in Small Island Developing States
3. There's a serious lack of data available
4. Producing timely, policy-relevant information is costly
5. We're not very good at communicating

# New Capacity for Health and Climate



**World Health  
Organization**



**wellcome**



**Nordic  
Development  
Fund**



# New Data for Health and Climate



## New data sources

- UN Sustainable Development Goals' Indicators
- Sendai Framework for Disaster Risk Reduction Annual Codex
- UN Framework Convention on Climate Change's Global Stocktaking Process



**UNISDR**

The United Nations Office for Disaster Risk Reduction



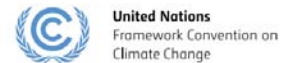
**United Nations**  
Framework Convention on  
Climate Change

# Policy-Relevant Information



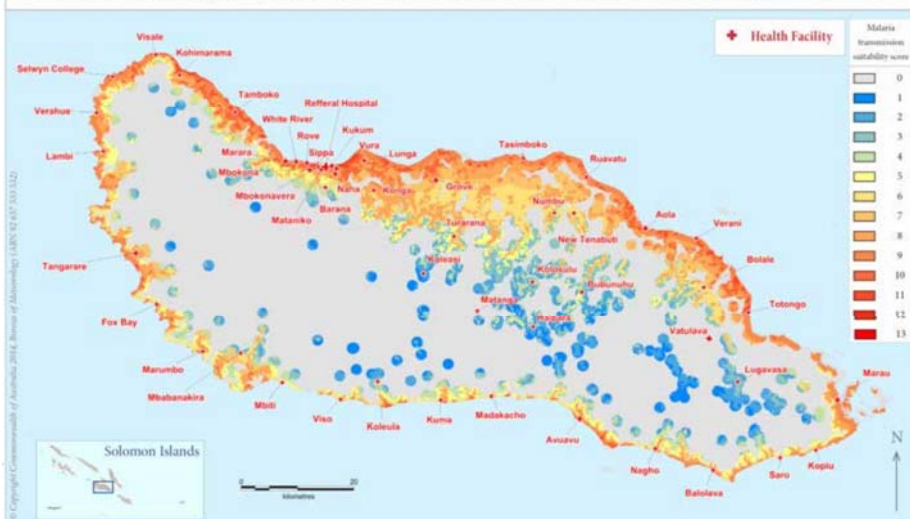
JOINT OFFICE FOR CLIMATE AND HEALTH

## CLIMATE AND HEALTH COUNTRY PROFILE – 2015 Fiji

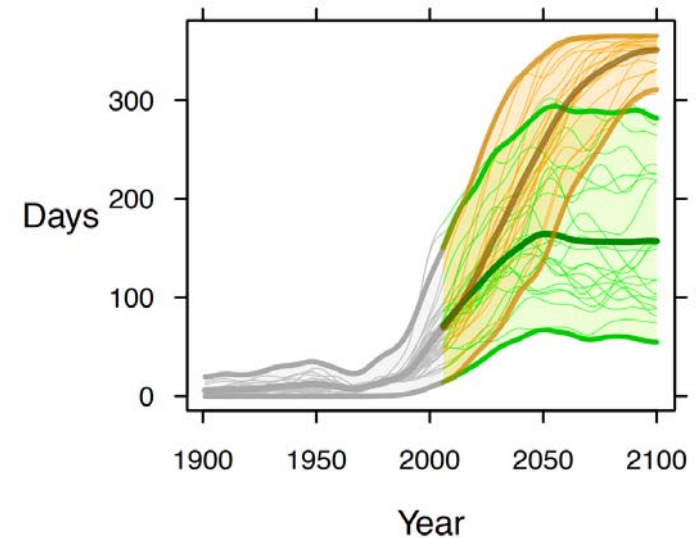


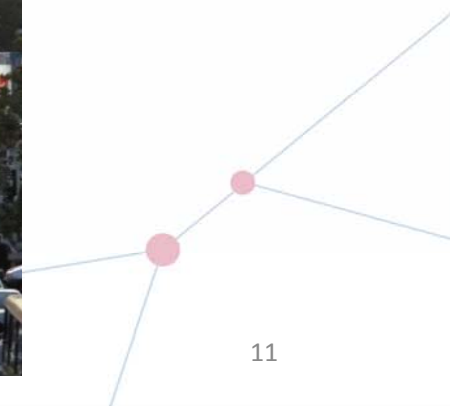
### Guadalcanal Malaria parasites transmission suitability map From ecological preferences of *Anopheles farauti* and settlements

Methods and Source: Malaria parasites transmission suitability score was obtained by adding three scores: distance to coastline (score 0 to 5), elevation (score 0 to 5), presence of water (score 0 to 5). These three scores were obtained after image processing from the sources: SRTM v4, Globcover 2009, Solomon Islands administrative layers from Ministry of Lands and settlements from 2009 census.

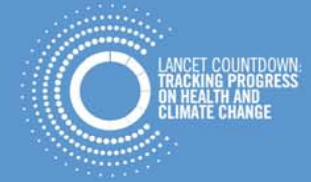


### DAYS OF WARM SPELL ('HEAT WAVES')





# Communicating Climate Impact & Action



## The New York Times

### Climate Change Is Bad for Your Health

By JEFF NESBIT OCT. 30, 2017




**Catherine McKenna** [@cathmckenna](#)  
 Mom, Swimmer, Ottawa Centre MP/Députée | Minister of Environment & Climate Change/Ministre de l'Environnement et Changement climatique #betterispossible 🇨🇦



**Mark Ruffalo** [@MarkRuffalo](#)  
 I'm a husband, father, actor, director, and a climate change advocate with an eye on a better, brighter, cleaner, more hopeful future for all of us.



**Patricia Espinosa C.** [@PEspinosaC](#)  
 Executive Secretary of UN Climate Change @UNFCCC (also in Spanish @CMNUCC, French @CCNUCC and German @UNGlima)

# TRACKING THE CONNECTIONS BETWEEN PUBLIC HEALTH AND CLIMATE CHANGE



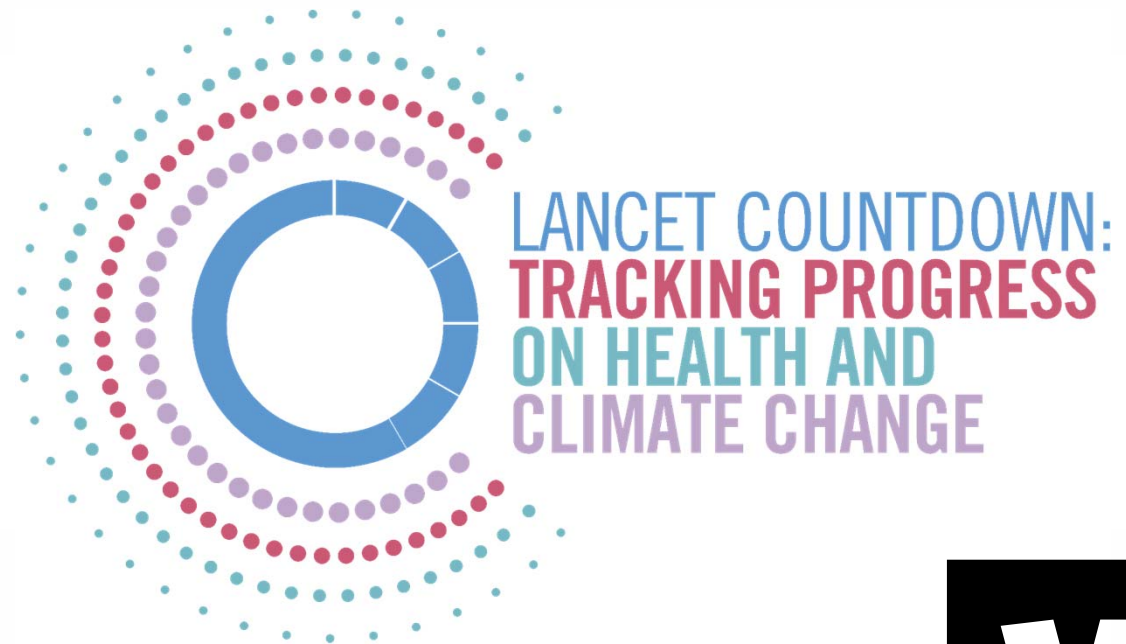
# Thank You



**Dr Nick Watts**

Executive Director

[www.lancetcountdown.org](http://www.lancetcountdown.org)  
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THE LANCET

