

# Building climate resilience into WASH and cholera control

**Dr. Diarmid Campbell-Lendrum,  
Climate Change and Health Team Leader**



**World Health  
Organization**



## WHO Director-General



Biography



News and speeches

## Priorities

Health for all

Health emergencies

Women, children, adolescents

Climate, environmental change

A transformed WHO

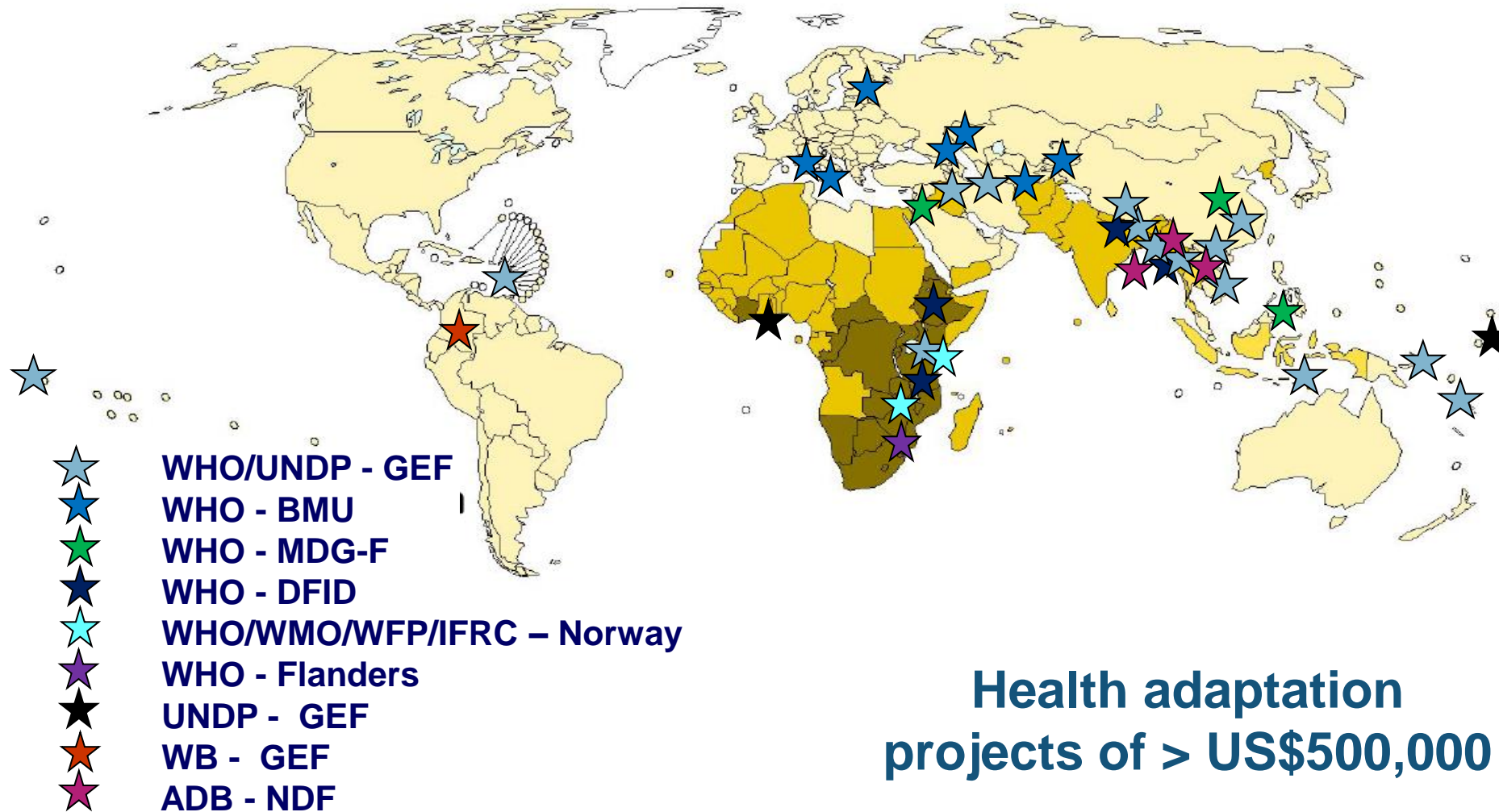


# The health impacts of climate and environmental change

Climate and environmental change impact many aspects of life that are inextricably linked to health – food security, economic livelihoods, air safety and water and sanitation systems – and WHO estimates that 12.6 million people die each year as a result of living or working in an unhealthy environment. To address this, WHO has a key role to play advancing both mitigation and adaptation strategies for climate and environmental change, working in close partnership with other UN agencies and stakeholders.

[Read more](#)

# Climate and health adaptation projects





# Example: Building adaptation to climate change in health through resilient WASH

1. International level guidance to establish coherent climate resilient international health policy

2. Definition and implementation of national climate resilient and health-promoting water and sanitation policies

3. Utility level management / Climate Resilient Water Safety Plans (CR-WSPs)

4. Household / community level interventions in reducing health vulnerability to climate change

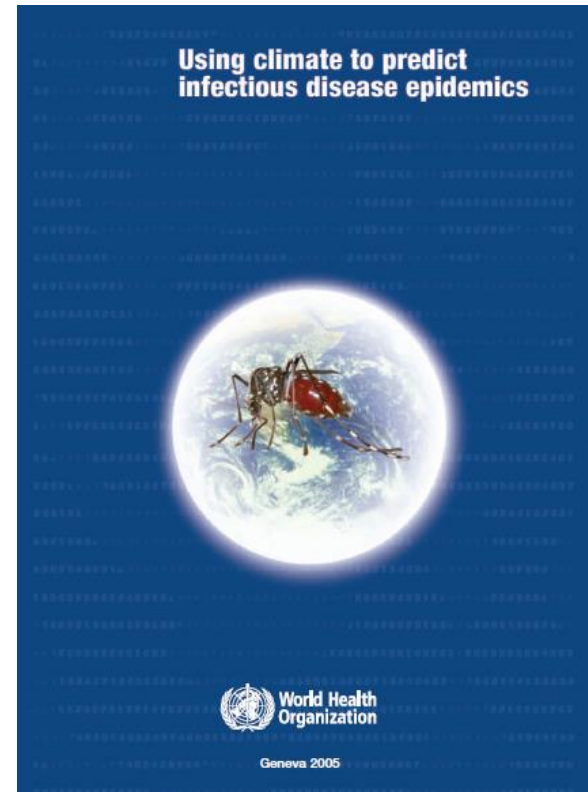
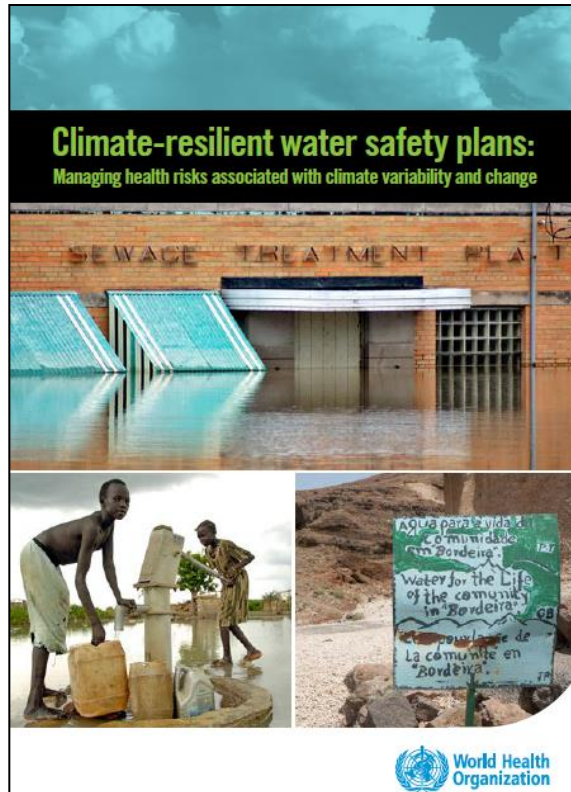


# From projects to comprehensive health system resilience





# New Programme: Delivering climate resilient water and sanitation in Africa and Asia



Ethiopia (including climate-resilient WASH infrastructure);  
Mozambique, Malawi, Bangladesh, Nepal

# Conclusions

- *The big picture:* not whether to invest in cholera control, or WASH, or climate change - it is all of the above.
- *Aim:* Investments in WASH and cholera control should be resilient to climate risks (and supported by climate finance).
- *Opportunity:* Use weather and climate information to support current surveillance and control practice.
- *Suggestion:* to refer to increased resilience to climate risks as an added value of WASH component of business case.
- *Request:* Continue conversation on integration of climate into WASH and cholera control.