



# Preparedness and eye health for climate change and environmental sustainability

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In health, why is IAPB in the forefront on climate change and environmental sustainability?

# 13 CLIMATE ACTION



**Human activities :  
carbon emissions,  
carbon non  
absorption:  
earth warming, floods,  
drought, hurricanes**

## **Number 13 of 17 SDGs**

All SDGs are integrated, a call together to, by 2030

- End poverty,
- Protect the planet
- Enjoy peace and prosperity.

## **Environmental sustainability**

- Today's activities do not destroy tomorrow's
- Do not damage the environment
- Do not deplete resources which cannot be replaced/renewed.



**Climate change** is the greatest public health emergency of our time



Particularly harmful to foetuses, infants, children, and adolescents.”



Greatest threat to our future

Destroying the planet  
Depleting the resources



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## Sawmills of Lagos



# Deforestation and plantations



Courtesy of Robert Koch  
gallery





**Oil  
bunkering  
and the  
Niger delta**



The global health care  
climate footprint is equivalent  
to the annual greenhouse  
gas emissions from  
**514 coal fired power plants.**

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a new report:

## HEALTH CARE'S CLIMATE FOOTPRINT



[noharm.org/ClimateFootprintReport](http://noharm.org/ClimateFootprintReport)

# Travel and mobility and carbon emissions



Providers or Patients  
Outreach services  
Meetings, conferences





71%: Supply chain-  
production, transport and  
disposal of goods and  
services



17% : Facilities and vehicles



12% : energy consumption in  
service delivery, heating and  
cooling









Disabled

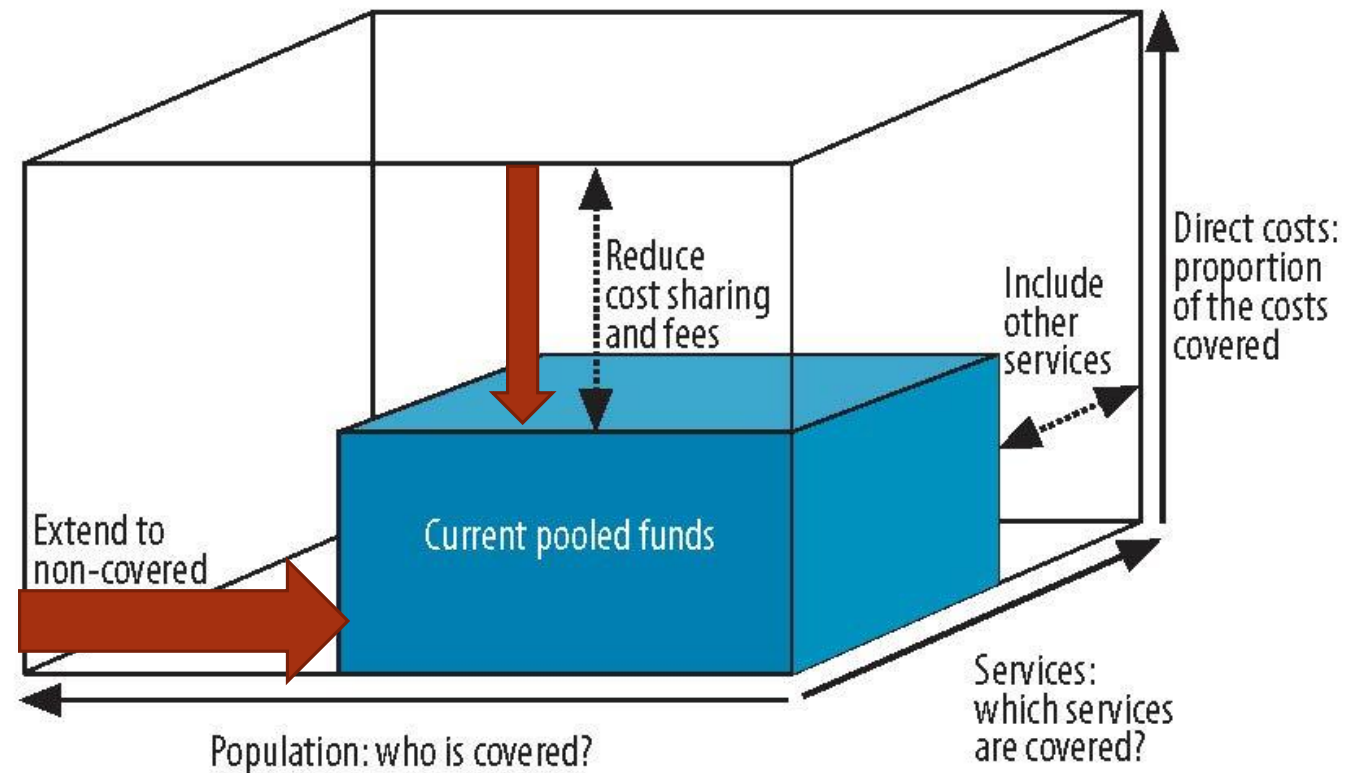


## Pushed into extreme poverty

- Vulnerable and marginalized communities; existing and new from climate change—100 million
- Cannot access health or care
- Pushed into out of pocket catastrophic expenditure.

## Universal health coverage

Fig. 1. Three dimensions to consider when moving towards universal coverage





Primary health care facilities around the world should **become shining examples** of renewable energy and sustainable development.

a new report:

## HEALTH CARE'S CLIMATE FOOTPRINT



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mobile microgrids

suitcase solar panel for power at the  
smallest health facility

solar panels on roof of outreach vehicles for  
lighting, etc at outreach points

solar suitcase— <http://www.wecaresolar.org>

acknowledgement Hannah Faal

## Renewable energy– in context



solar panel micro grid for a smaller facility

<http://powerupgambia.org/almost-a-decade-for-upgrade>



# Storage and disposal

**Batteries— store and release prn**

**Disposal with minimal environmental consequences**

**--salt water instead of lead acid**



## Architecture of facilities



Figure 4: The outpatients waiting area remains cool and pleasant, thanks to natural ventilation and shaded windows. ©CTEH







**Engage  
with/expand our  
areas of influence  
with manufacturers  
and distributors of  
every item used to  
adopt a circular  
economy**

**End of life of  
technology  
Waste  
management**

- Collect and contextualise evidence with which to advocate relentlessly within eye health and beyond
- Set and adopt environmental sustainability best practice as much as we do clinical best practice
- Above all; do no harm.



IAPB Leads on :

- ✓ **climate change**
- ✓ **environmental sustainability**
- ✓ **inclusion**

**PUSH NO ONE INTO EXTREME POVERTY  
LEAVE NO ONE BEHIND**

**PUT THE FURTHEST BEHIND IN FRONT**

**ACHIEVE UNIVERSAL EYE HEALTH AND HEALTH  
COVERAGE**

**SDG EMBEDDED EYE HEALTH**