



# Resilienza e sostenibilità del servizio sanitario

Francesca de' Donato

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*Ministero della Salute*

Direzione Generale della Prevenzione Sanitaria

## Macro obiettivi

- Malattie croniche non trasmissibili
- Dipendenze e problemi correlati
- Incidenti domestici e stradali
- Infortuni e incidenti sul lavoro, malattie professionali
- Ambiente, clima e salute
- Malattie infettive prioritarie

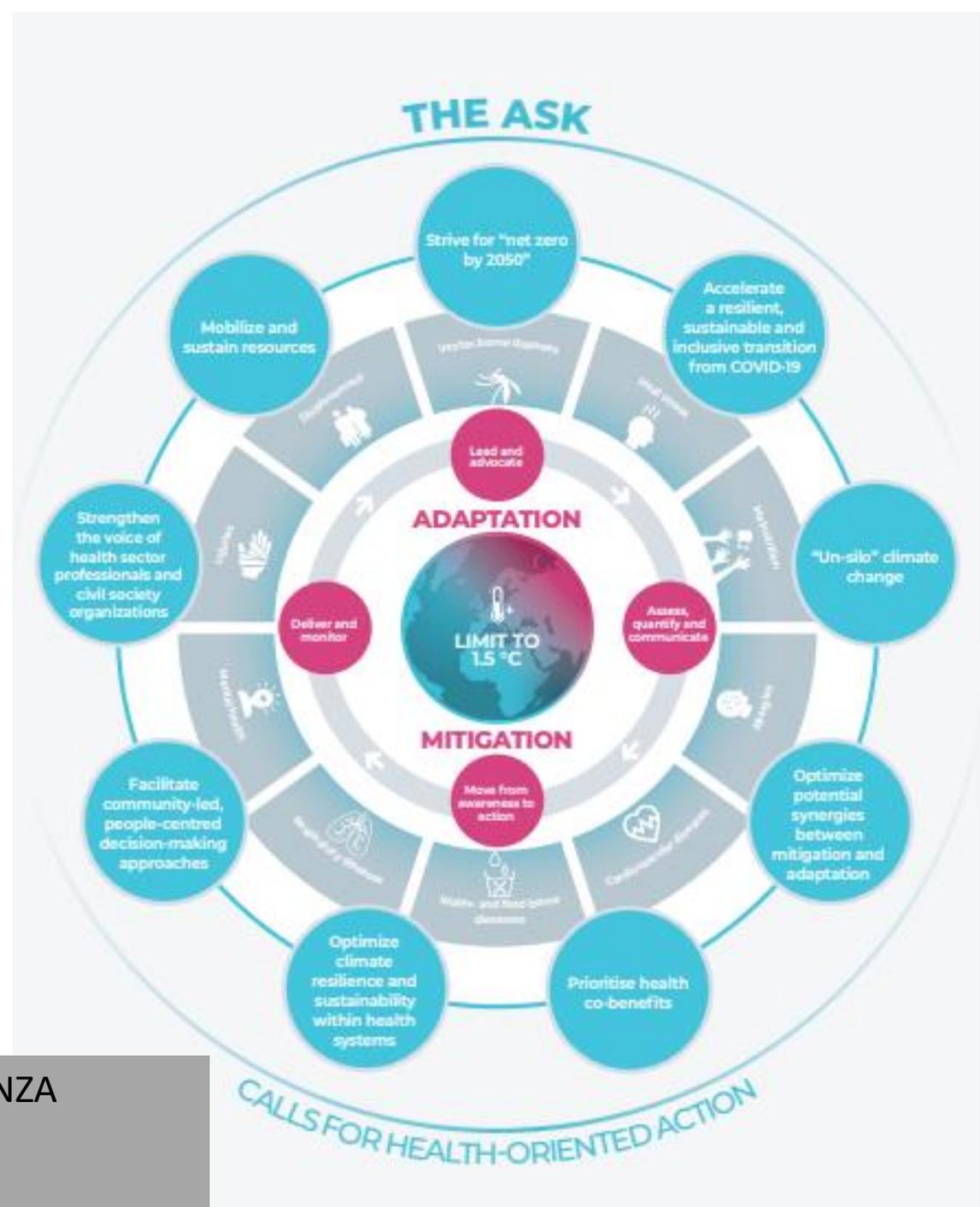
## Piano Nazionale della Prevenzione 2020-2025

# ZERO REGRETS

## SCALING UP ACTION ON CLIMATE CHANGE MITIGATION AND ADAPTATION FOR HEALTH IN THE WHO EUROPEAN REGION

Key messages from the Working Group on Health in Climate Change

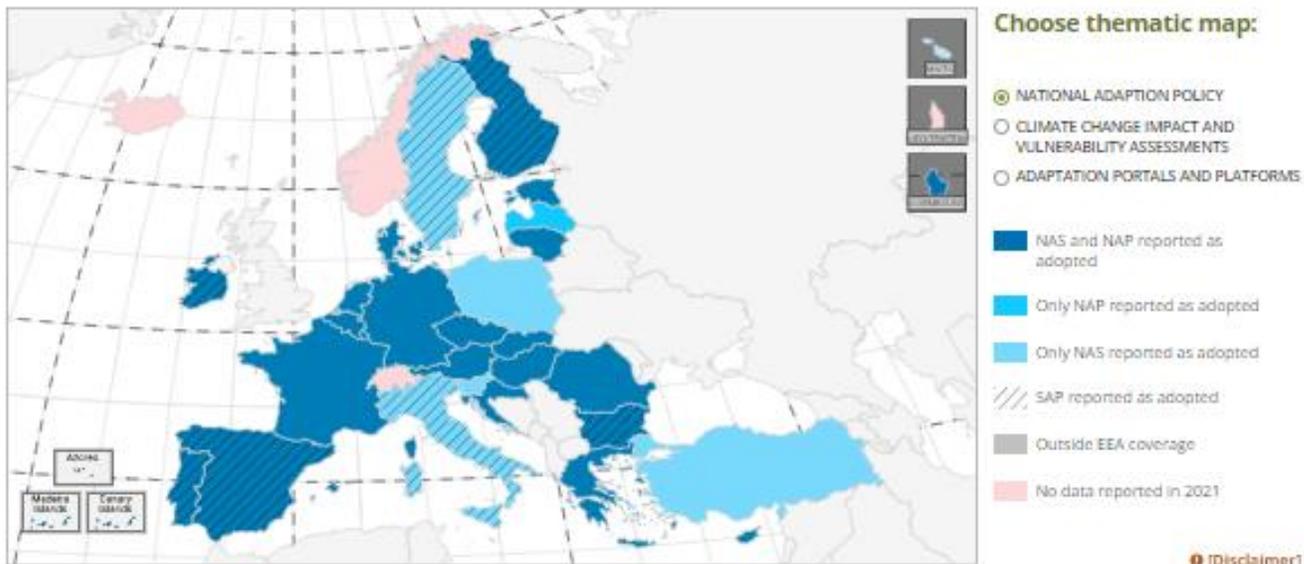
IN FASE DI AGGIORNAMENTO PER LA CONFERENZA MINISTERIALE AMBIENTE SALUTE DI BUDAPEST



# Health Adaptation Policy – the role of Health



SHARING ADAPTATION  
KNOWLEDGE FOR A  
CLIMATE-RESILIENT EUROPE



Oct 18, 2021

Mapping of stakeholders in Europe working on adaptation

**4** out of EEA member states have a climate adaptation plan/strategy for the health sector

Ireland, Sweden, Finland, N. Macedonia

<https://climate-adapt.eea.europa.eu/>

<https://www.enbel-project.eu/>

# Come contrastare gli effetti dei cambiamenti climatici sulla salute?

## **Misure di ADATTAMENTO:**

- Rafforzare riposta SSN multi hazard\multi settoriale
- Identificazione precoce del rischio (climate Info services, sistemi di allerta)
- Ricerca e formazione
- Awareness della popolazione (rischi e adattamento)
- Interventi di prevenzione sui sottogruppi vulnerabili
- Monitoraggio degli effetti sulla salute
- Tecnologie e infrastrutture resilienti e sostenibili

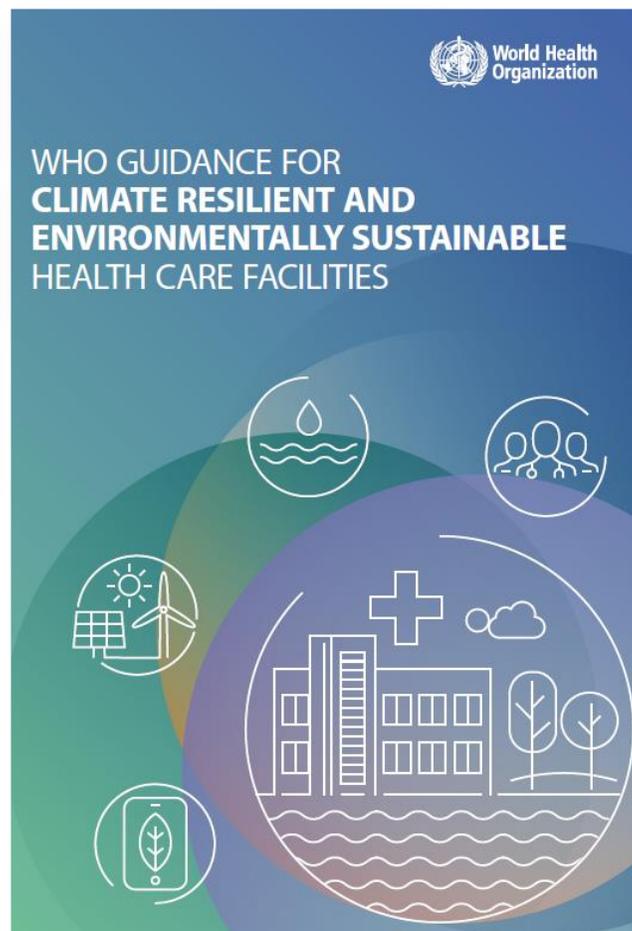
**Promozione di politiche di MITIGAZIONE** dei cambiamenti climatici che hanno maggiori CO-BENEFICI in termini di salute.

# Framework WHO per un Sistema sanitario resiliente ai Cambiamenti climatici

## WHO Operational framework for building climate-resilient health systems

WHO supports countries to increase the climate-resilience of their health systems by providing direct support through projects on climate change and health, and through the generation of guidance for multiple areas of work that contribute to the overall functioning of health systems. The wide range of guidance developed to support countries on health adaptation to climate can be generally structured under ten components outlined in the **WHO Operational framework for building climate resilient health systems**:

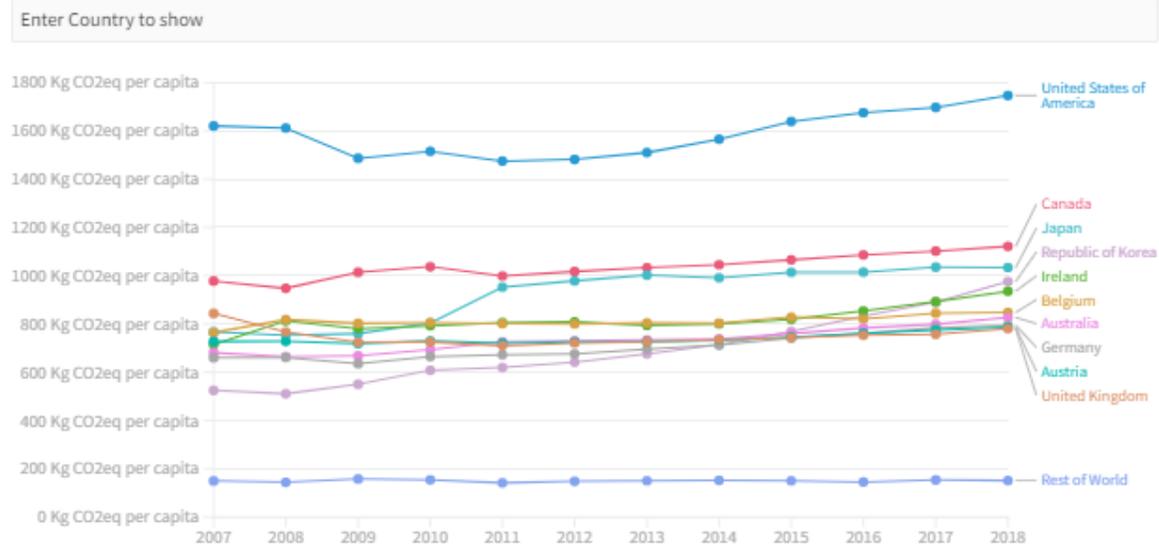
<b>Leadership and governance</b> Component 1	<b>Health workforce</b> Component 2
<b>Health and climate research</b> Component 5	<b>Climate-resilient and sustainable technologies and infrastructure</b> Component 6
<b>Emergency preparedness and management</b> Component 9	<b>Climate and health financing</b> Component 10
<b>Vulnerability, capacity and adaptation assessment</b> Component 3	<b>Integrated risk monitoring and early warning</b> Component 4
<b>Management of environmental determinants of health</b> Component 7	<b>Climate-informed health programmes</b> Component 8



# Emissioni GHG settore sanità

## Healthcare Sector Greenhouse Gas Emissions

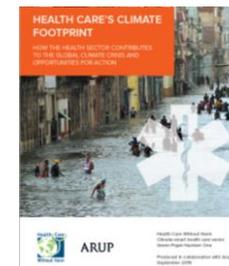
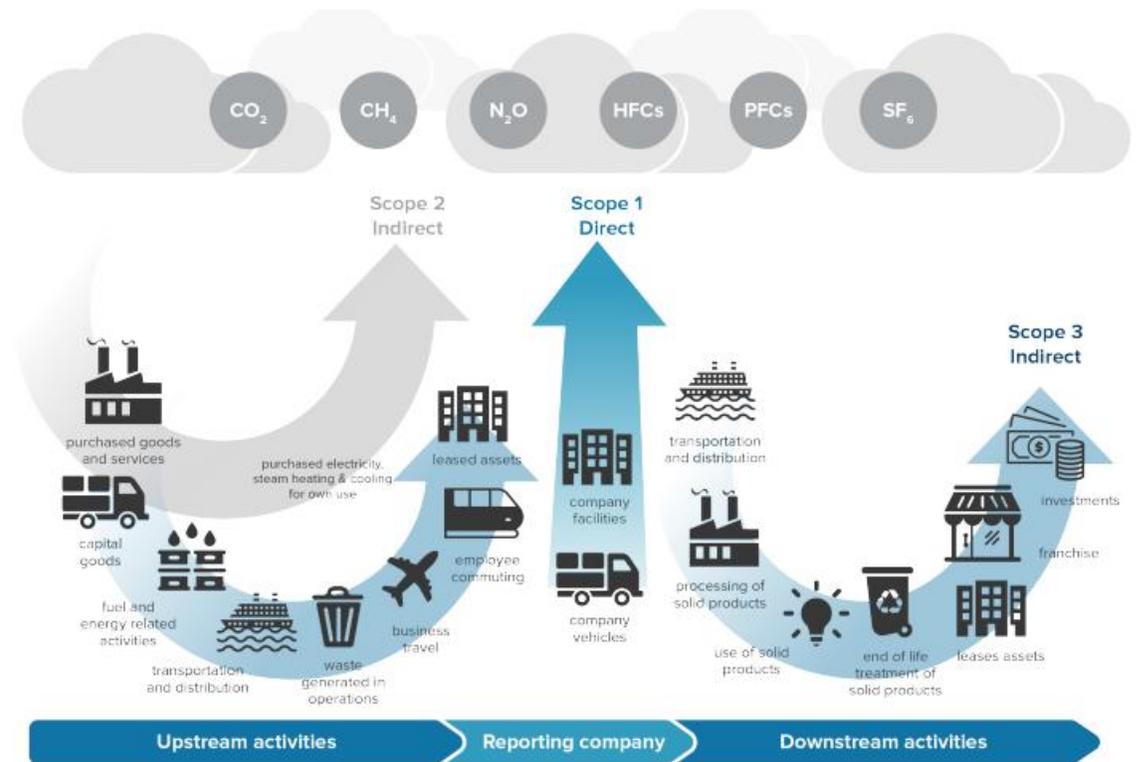
Per capita carbon footprint of different health systems around the world



Please reference the 2021 Report of the Lancet Countdown if using this data •  
For a full description of the indicator, see the 2021 report of the Lancet Countdown at [lancetcountdown.org](https://www.lancetcountdown.org)



[www.lancetcountdown.org/data-platform/](https://www.lancetcountdown.org/data-platform/)



<https://noharm-europe.org/>

# Carbon footprint settore sanità in Italia



**Italy**

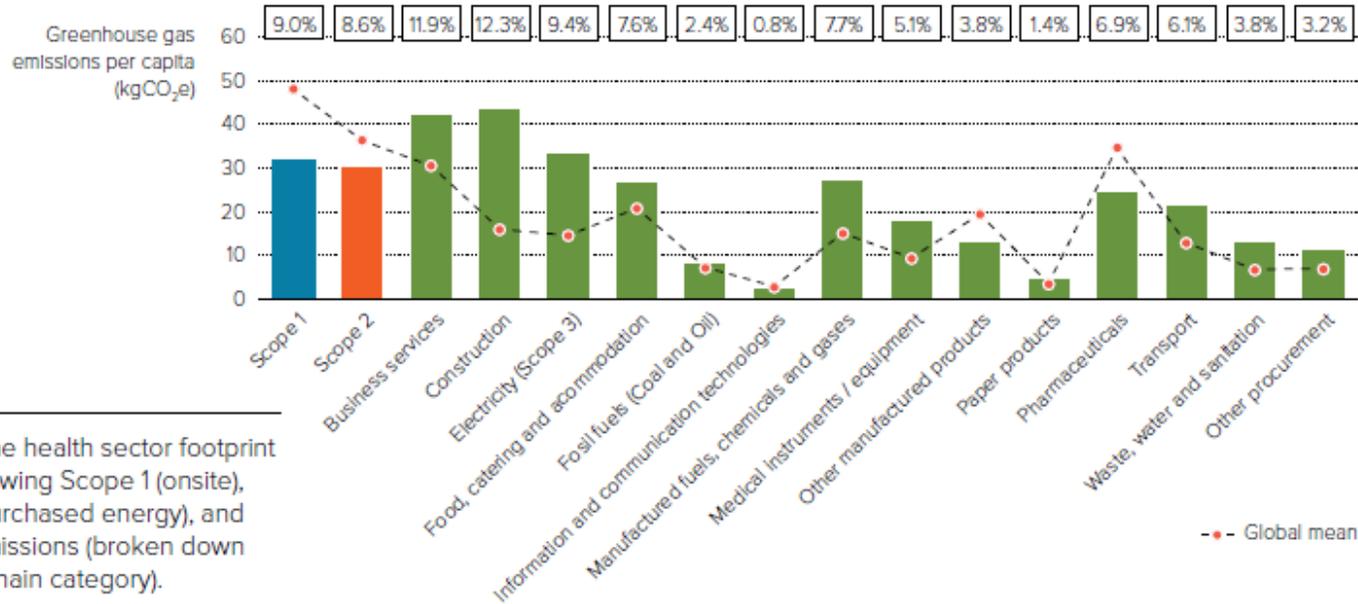
HEALTH SECTOR EMISSIONS FACT SHEET

## Global Road Map for Health Care Decarbonization

### Key facts (2014)

Health care spending as % of GDP:	<b>9.0%</b>	Health care emissions as % of national total:	<b>4.0%</b>
Health care gross emissions (MMtCO <sub>2</sub> e) <sup>1</sup> :	<b>21.3</b>	Health care per capita emissions (tCO <sub>2</sub> e) <sup>1</sup> :	<b>0.35</b>
Rank among 68 nations in study, gross emissions:	<b>15</b>	Rank among 68 nations in study, per capita emissions:	<b>38</b>
Proportion of emissions from domestic economy:	<b>50.8%</b>		

### Topography: Italy's health care climate footprint



**Figure 1.** The health sector footprint in 2014, showing Scope 1 (onsite), Scope 2 (purchased energy), and Scope 3 emissions (broken down by supply-chain category).

HealthCare Without Harm  
ARUP

DESIGNING A NET ZERO ROADMAP FOR HEALTHCARE  
TECHNICAL METHODOLOGY AND GUIDANCE

# Resilienza climatica SSN deve essere legata alla sostenibilità ambientale

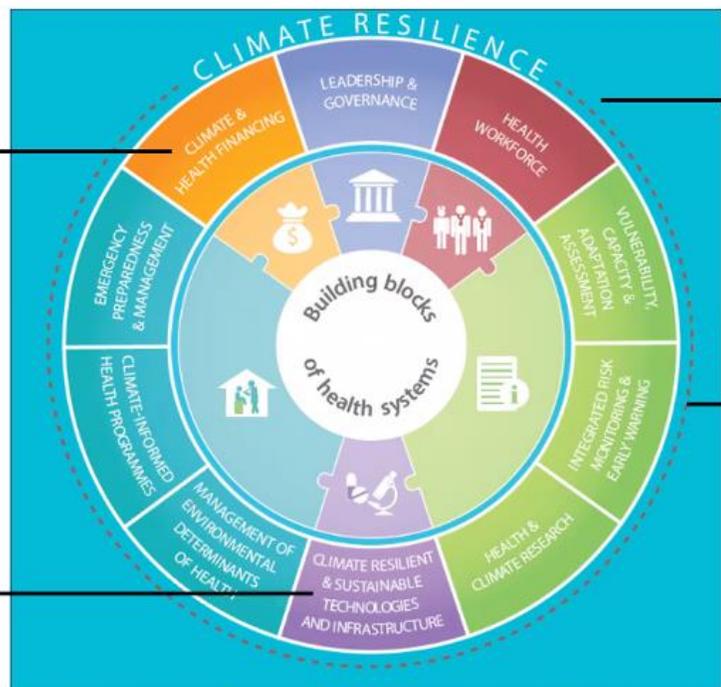
## Strengthen health system resilience to climate change



GREEN CLIMATE FUND

Health access to climate finance

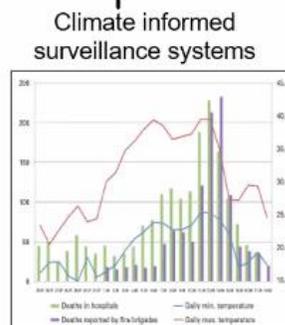
Resilient, sustainable health facilities



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



Health workers trained, engaged on climate



Climate informed surveillance systems



# LINKS to Policy and funding



NEXT generation EU funding 800 billion € in response to COVID.  
Key Digital, green, healthy, strong, equal.  
RRF recovery and resilience facility.



Green transition



Digital transformation



Smart, sustainable and inclusive growth



Social & territorial cohesion



Health, and economic, social and institutional resilience



Policies for next generation

## A European Green Deal

Striving to be the first climate-neutral continent

2021 Climate Law

2021 new EU Strategy on Adaptation to Climate Change



WHO ATACH – Alliance for transformative action on climate and health.

4 working groups: Climate resilience, Decarbonization, Finance, supply-chains



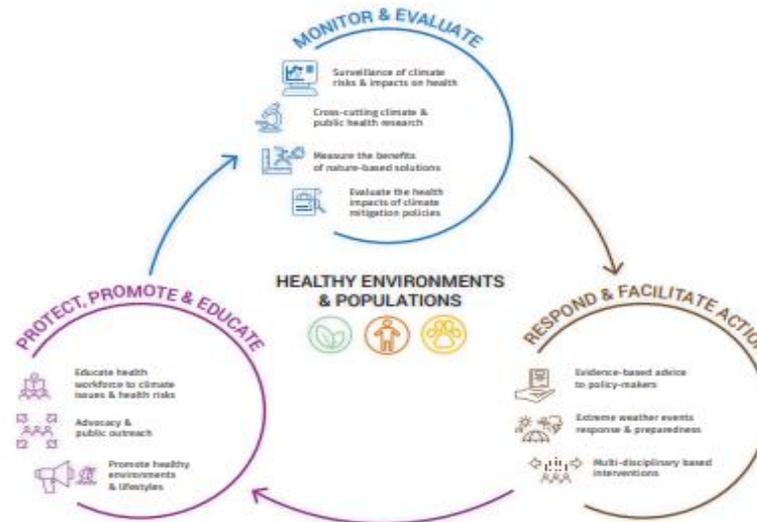


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HOW NATIONAL PUBLIC HEALTH INSTITUTES CONTRIBUTE TO CLIMATE ADAPTATION AND MITIGATION



# Contributo PNC CLIMA

- Revisione letteratura e documenti resilienza del sistema sanitario
- Stakeholder engagement per la definizione di aree prioritarie tenendo conto degli investimenti PNRR e PNC in ambito clima e salute e fonti di emissioni a cui indirizzare misure di mitigazione e sostenibilità
- Definizione di linee di indirizzo/guida per la definizione di SSN resiliente ai cambiamenti climatici e sostenibile con focus sui diversi componenti/servizi