

# Mainstreaming One Health in the Americas

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**PAHO**



Pan American  
Health  
Organization

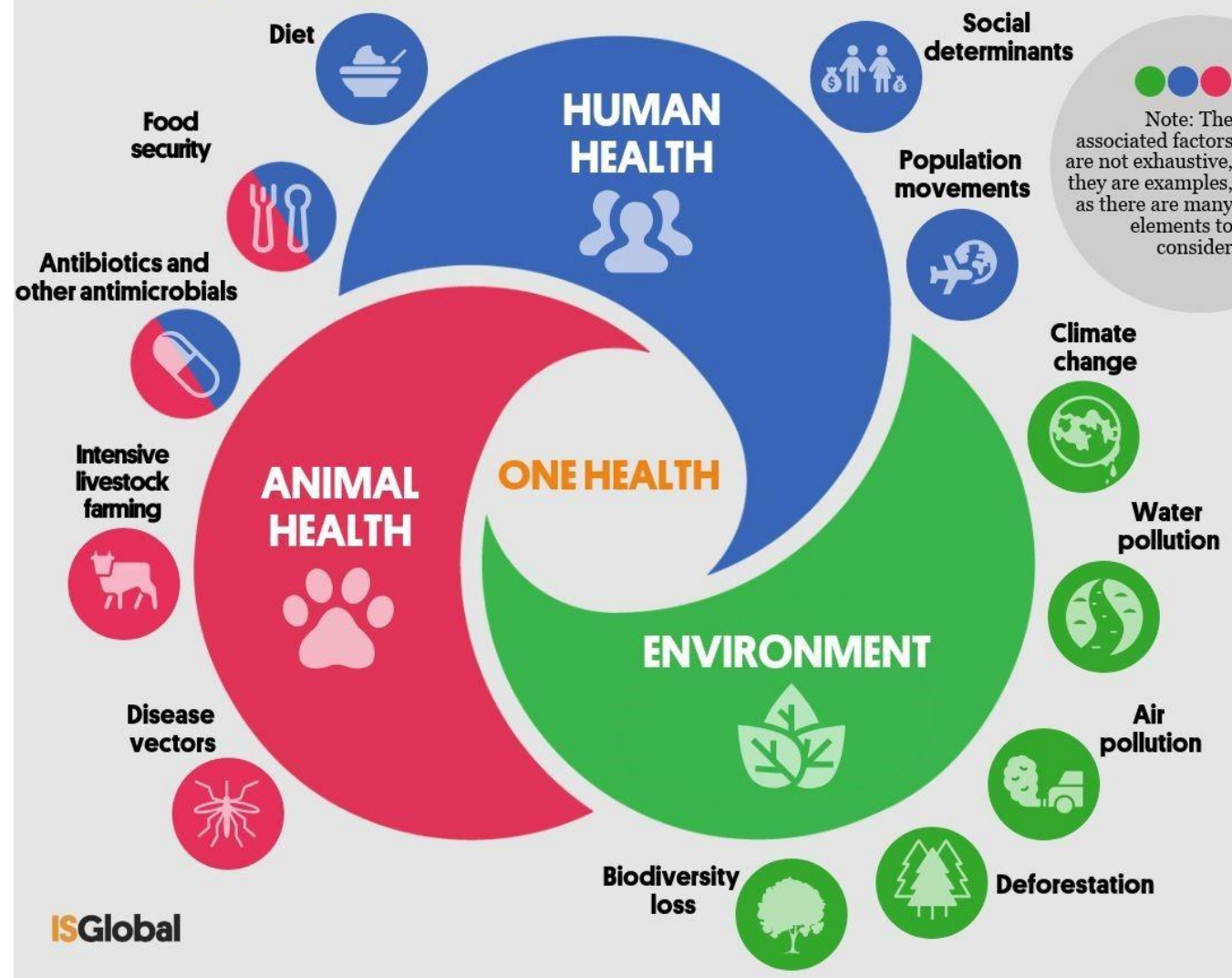


World Health  
Organization  
Americas Region



# ONE HEALTH

Human health and animal health are interdependent.  
At the same time, both depend on the environment.





**Action Track 6: Integrating the environment into One Health**

**Action Track 5: Curbing the silent pandemic of antimicrobial resistance**

**Action Track 1: Enhancing One Health capacities to strengthen health systems**



**Action Track 2: Reducing the risks from emerging and re-emerging zoonotic epidemics and pandemics**

**Action Track 3: Controlling and eliminating endemic zoonotic, neglected tropical and vector-borne diseases**

**Action Track 4: Strengthening the assessment, management and communication of food safety risks**



Focus on Action track 6

## Integrating the environment into One Health

### Objective:

Protect and restore biodiversity, prevent the degradation of ecosystems and the wider environment to jointly support the health of people, animals, plants and ecosystems, underpinning sustainable development.

#### Action 6.1.

Protect, restore and prevent the degradation of ecosystems and the wider environment

#### Action 6.2.

Mainstream the health of the environment and ecosystems into the One Health approach

#### Action 6.3.

Integrate environmental knowledge, data, and evidence in One Health decision-making

#### Action 6.4.

Create an interoperable One Health academic and in-service training programmes for the environment, medical, agriculture and veterinary sector professionals



# 59th DIRECTING COUNCIL

73rd SESSION OF THE REGIONAL COMMITTEE OF WHO FOR THE AMERICAS

Virtual Session, 20-24 September 2021

Provisional Agenda Item 4.6

CD59/9  
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## ONE HEALTH: A COMPREHENSIVE APPROACH FOR ADDRESSING HEALTH THREATS AT THE HUMAN-ANIMAL-ENVIRONMENT INTERFACE

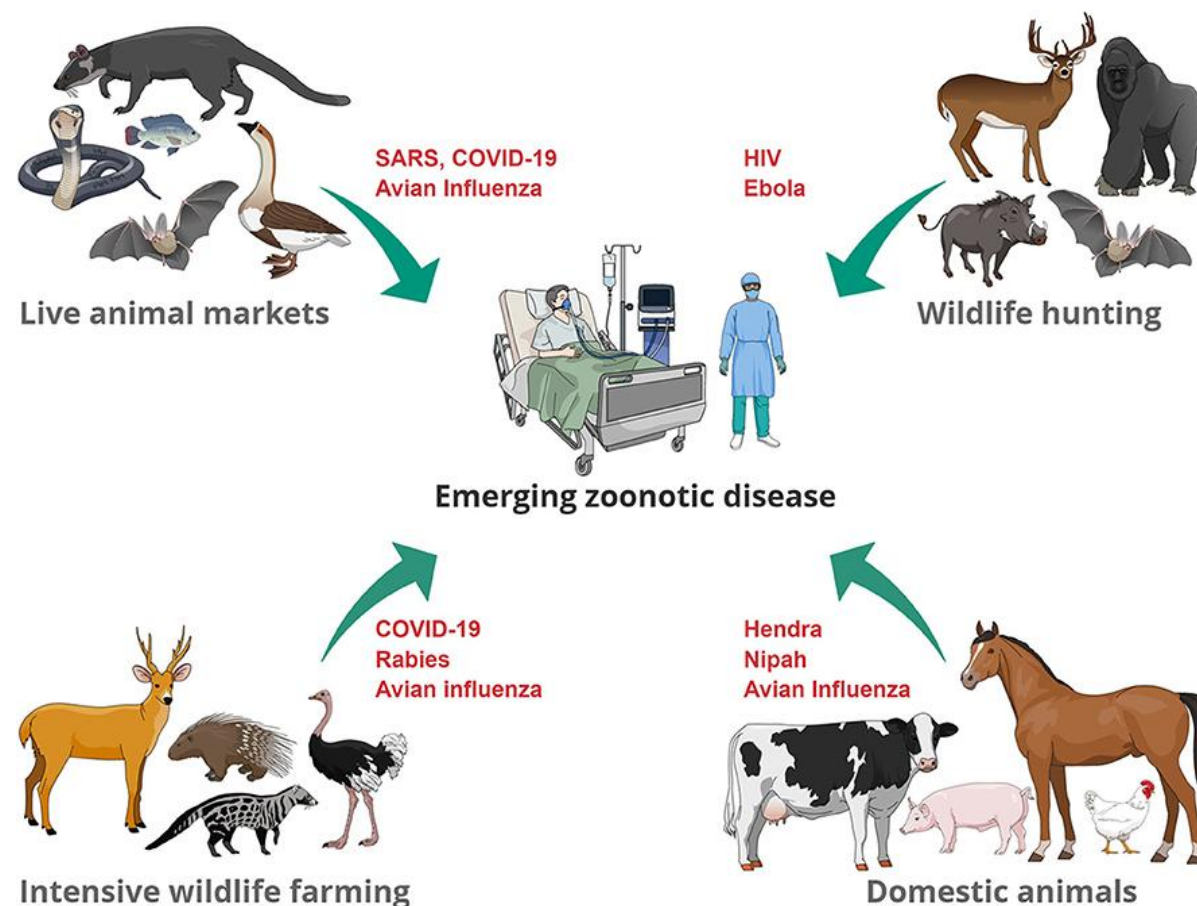
### Introduction

1. The aim of this policy on One Health is to foster coordination and collaboration among the different governance frameworks of human, animal, plant, and environmental health programs in order to better prevent and prepare for current and future health challenges at the human-animal-environment interface. Of priority concern for One Health are risks that affect the systems on which society depends—health, agriculture/animal production, and environment. The policy includes six strategic lines of action that can provide valuable guidance for the actions of national health authorities and for the technical cooperation activities of the Pan American Sanitary Bureau (PASB or the Bureau).

2. Population growth, unplanned urbanization, deforestation, and forest encroachment have blurred the boundaries between the human and animal populations, together with the globalization of travel and trade, affecting the whole ecosystem. These challenges influence the relationships between humans, animals, and the environment, and require strategic and cross-cutting One Health approaches. Solutions to these challenges can only be properly understood through interdisciplinary and multisectoral strategies addressing the health of people, animals, and our shared environments. The links between human, animal and environmental health, and agriculture, along with the implications of globalization and the impact of humans on the environment, have exacerbated the risks at the human-animal-environment interface.

3. Health challenges at the human-animal-environment interface that could be addressed by the adoption and implementation of this policy include, among others, diseases of zoonotic origin, antimicrobial resistance (AMR), and food safety. Worldwide, about 60% of the infectious organisms known to be pathogenic to humans are zoonotic, having an animal source or origin (1, 2). Moreover, over 70% of emerging human pathogens are zoonotic. Zoonotic pathogens are twice as likely to be associated with emerging diseases as non-zoonotic pathogens. They impose high financial and societal costs globally. The most recent high-impact example is COVID-19, caused by

- 60% of the ~1400 infectious diseases affecting humans are zoonoses
- International Health Regulations mandatory reporting: Zoonotic diseases and food safety



## Actions to advance One Health in the Americas

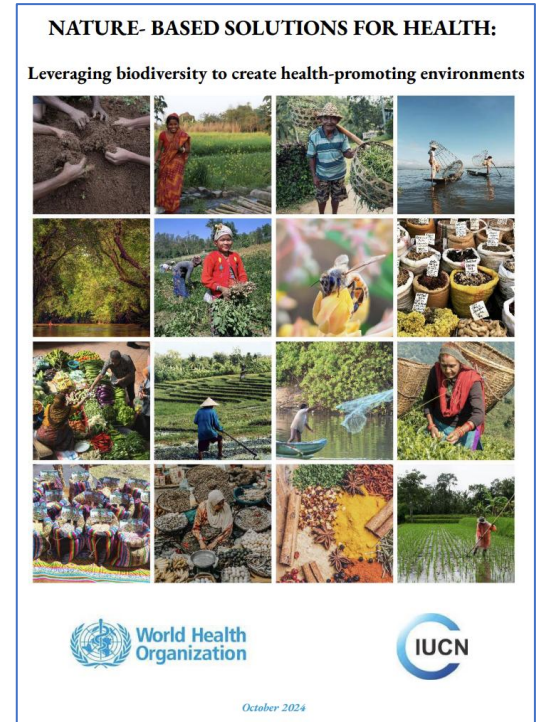
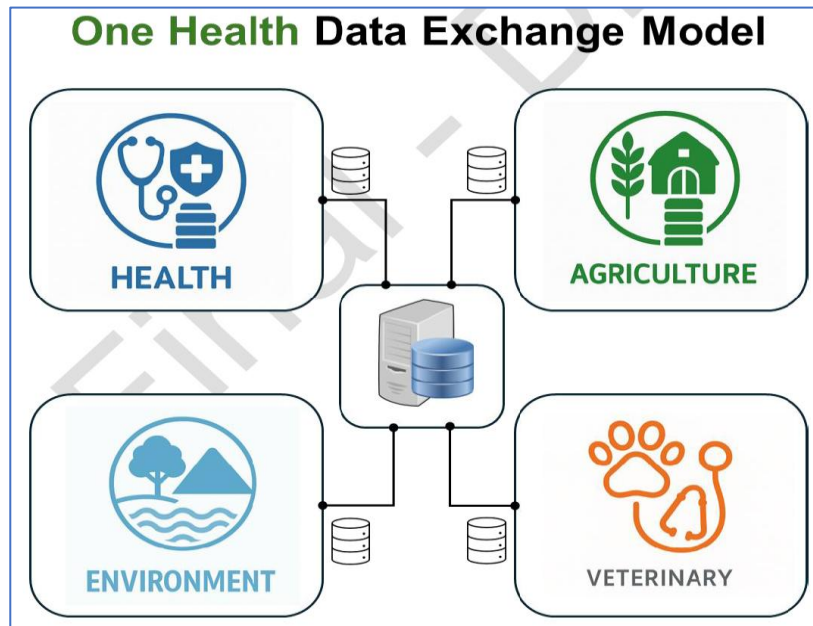
### Integrated lab networks in LAC supported by PAHO and partners

- LAC Network for Antimicrobial Resistance Surveillance (ReLAVRA+)
- Regional Network of Genomic Surveillance (PAHOGen)
- Interamerican Network of Food Analysis Laboratories (RILAA/INFAL)
- Network of Public Laboratories Producing Antivenoms (RELAPA)
- LAC Environmental Health Laboratories Network
- Network of Toxicological Information and Advisory Centres
- ...



## Actions to advance One Health in the Americas

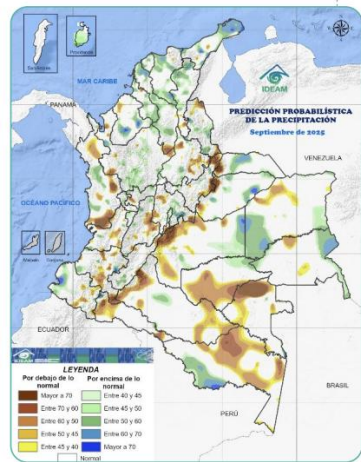
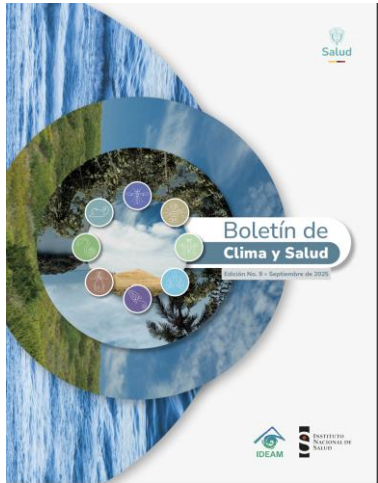
- Biodiversity, Traditional Knowledge, Health and Well-being
- Medicinal plants and biodiversity ABS
- Pesticide use and intoxications
- Deforestation / LULUCF
- Harmful algal blooms monitoring
- Health equity outcomes
- ...





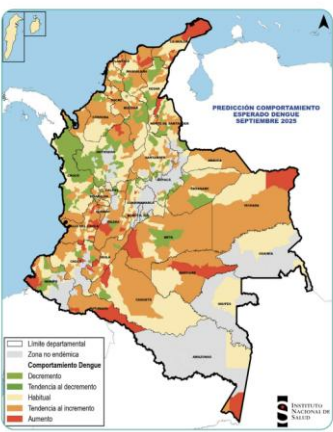
# Actions to advance One Health in the Americas

## Climate and Health Observatories

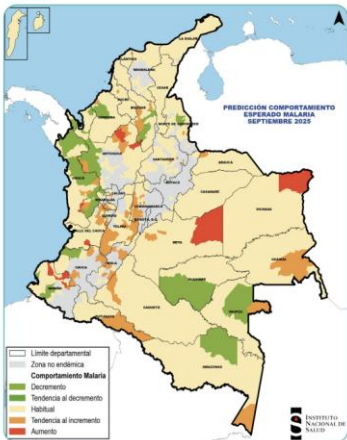


tes de septiembre y el mapa de predicción

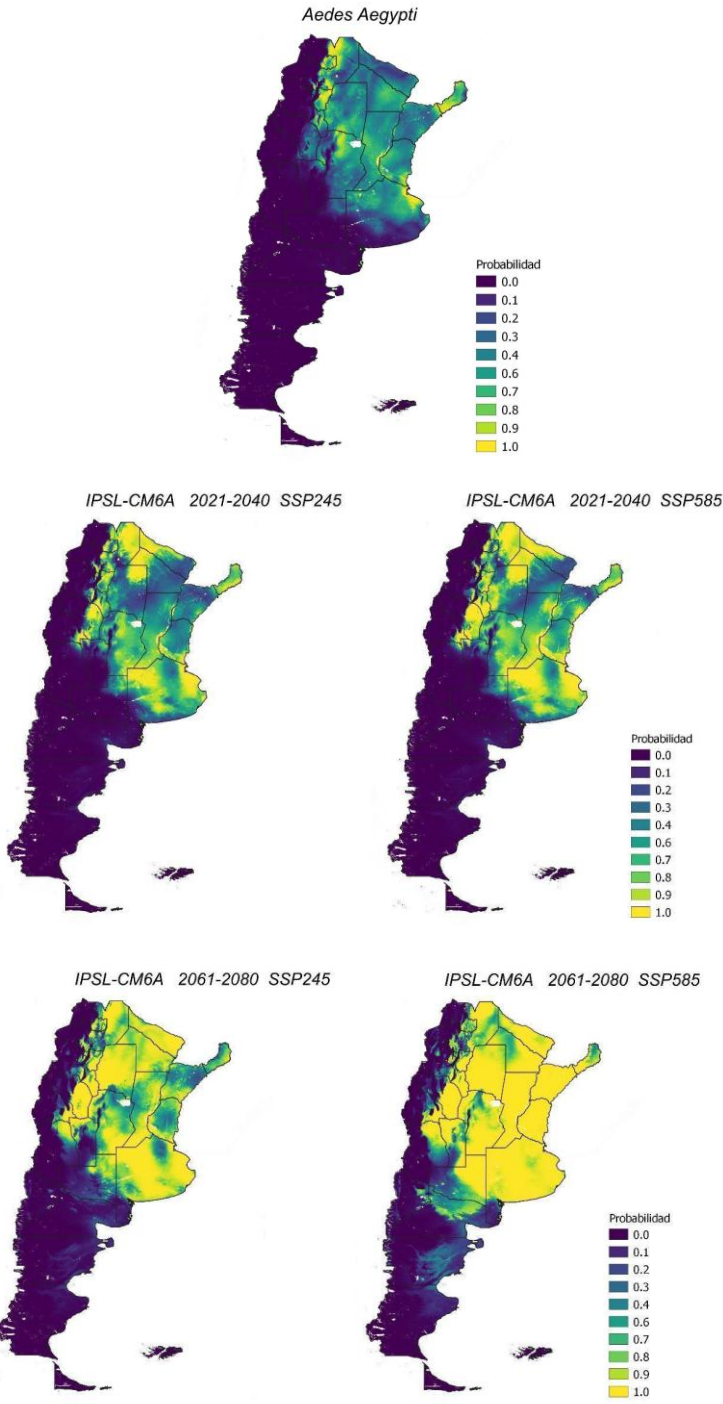
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Nota. La información presentada en la sección anterior se presenta a nivel de departamento. En la sección 5. Anexo de municipios, se puede ver la información detallada en relación con los municipios.




Nota. La información dispuesta en la sección anterior se presenta a nivel de departamento. En la sección 5. Anexo de municipios, se puede ver la información detallada en relación con los municipios. El mapa presenta los municipios que implementan la estrategia de colaboradores voluntarios. Con la inclusión de estos voluntarios se espera un aumento en la notificación de casos.







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THE CARIBBEAN HEALTH CLIMATIC BULLETIN

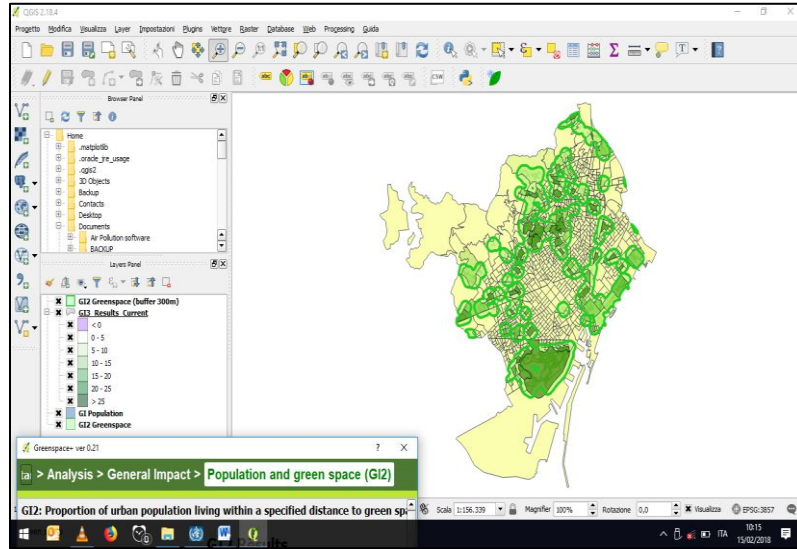
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Welcome to the Caribbean Health Climatic Bulletin. This quarterly tool assists in guiding strategic and operational decisions related to health interventions and the management of health care systems. More specifically, the information provided in this bulletin can help healthcare professionals identify and prepare health interventions for favorable or inclement climate conditions in the Caribbean region.



# Actions to advance One Health in the Americas

## Green spaces and health benefits

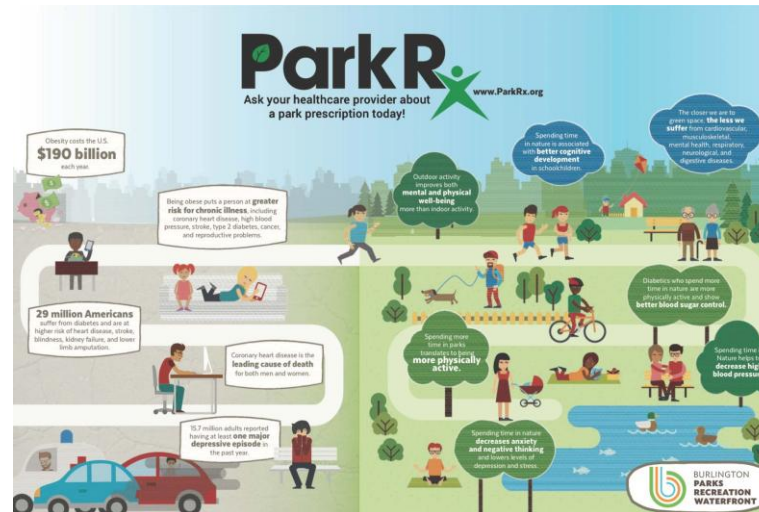


### Green spaces

- Mental Health Benefits
- Improved air quality
- Promotes social interactions
- Improves the immune system
- Promotion of physical activities, reduction of obesity
- Noise reduction
- Reduction of urban "heat islands"

### Green UR tool: quantifiable health benefits

- Mental health
- Cardiovascular Accident Morbidity/Mortality
- Type 2 Diabetes



# PAHO



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Organization



World Health  
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REGIONAL OFFICE FOR THE  
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# OPS



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Panamericana  
de la Salud



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Mundial de la Salud  
OFICINA REGIONAL PARA LAS  
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Organização  
Mundial da Saúde  
ESCRITÓRIO REGIONAL PARA AS  
Américas

Thank  
you!

Gracias!

Merci!

Obrigado!

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