

TRANSFORMANDO LA SALUD PUBLICA PARA EL SIGLO XXI

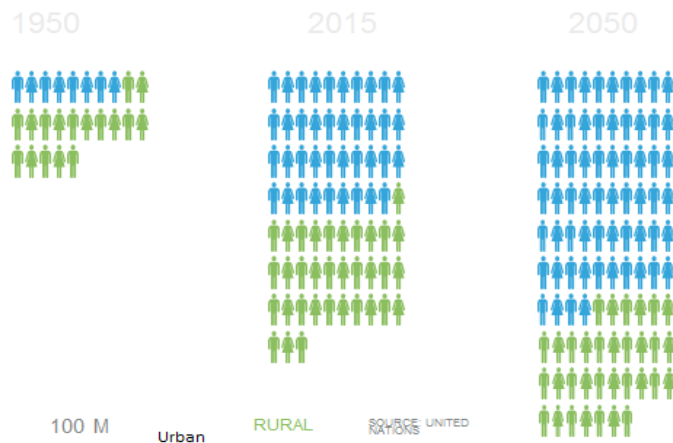
Dr Maria Neira

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Environmental and Social Determinants of Health**

1-DINAMICAS DEMOGRAFICAS



**Poblacion mundial
en el 2050: 9.7 mil
millones**



2-DESARROLLO URBANO

**60 millones
adicionales por/a
de residentes
urbanos en el
mundo**



Data: UN-Habitat



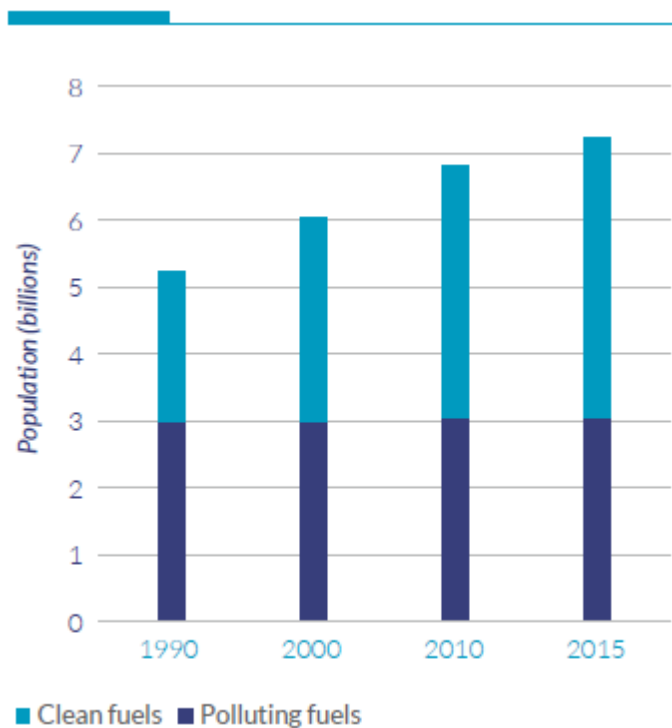
**Uno de cada 3
residentes en
zonas urbanas,
esta en fabelas, o
asentamientos no
planificados**



3-Fuentes ENERGIA



Acceso a diferentes fuentes de energía



Source: WHO Household energy database 2016

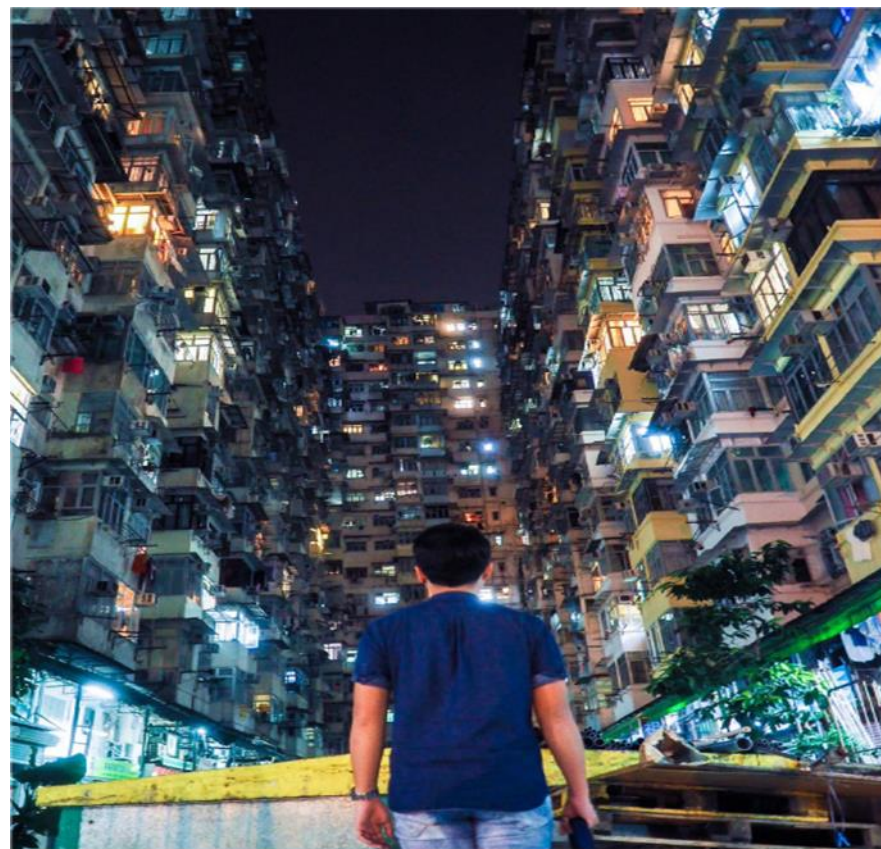
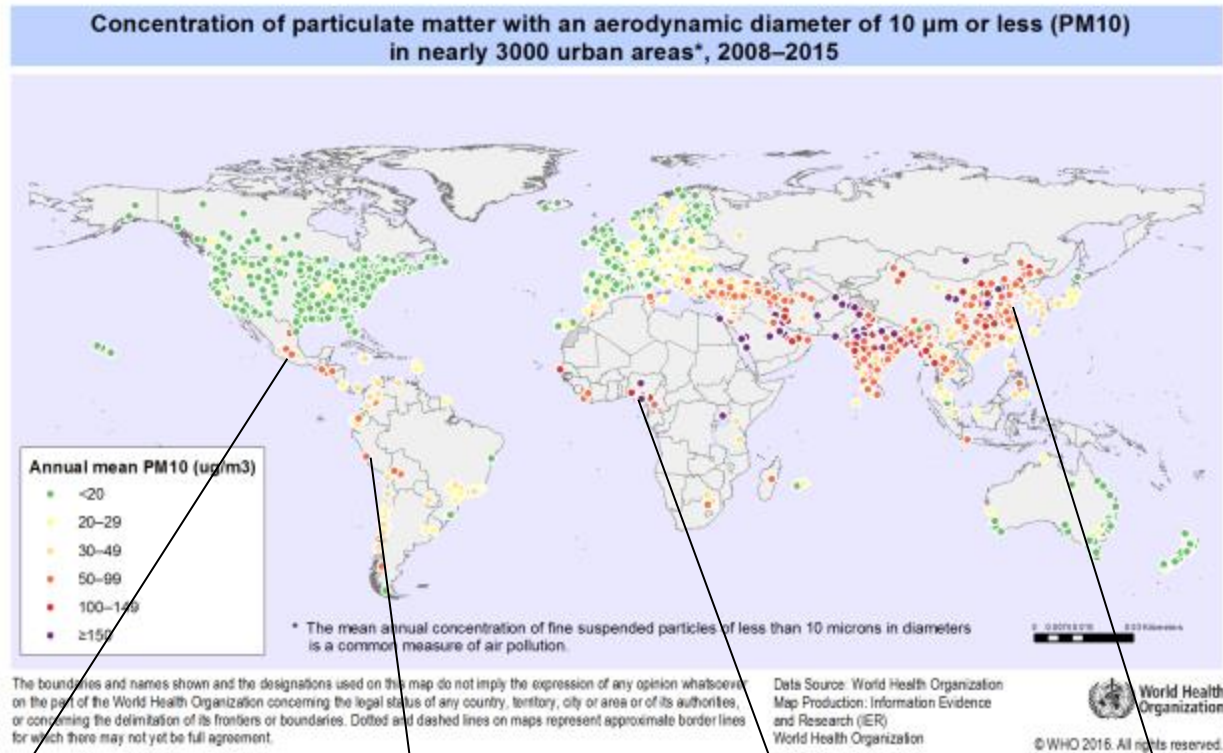


Photo courtesy of Siu Yee Ki

Crisis urbana



Mexico City, Mexico

Lima, Peru

Lagos, Nigeria

Beijing, China





Data: WHO, Global Health Observatory

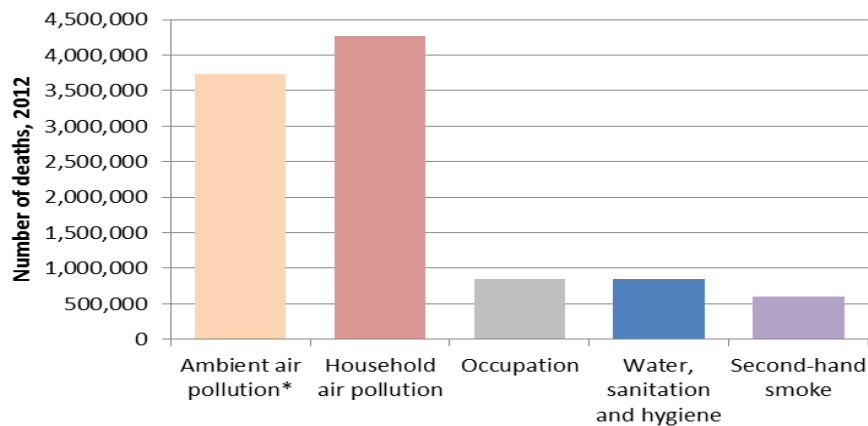
4-ESTILOS DE VIDA



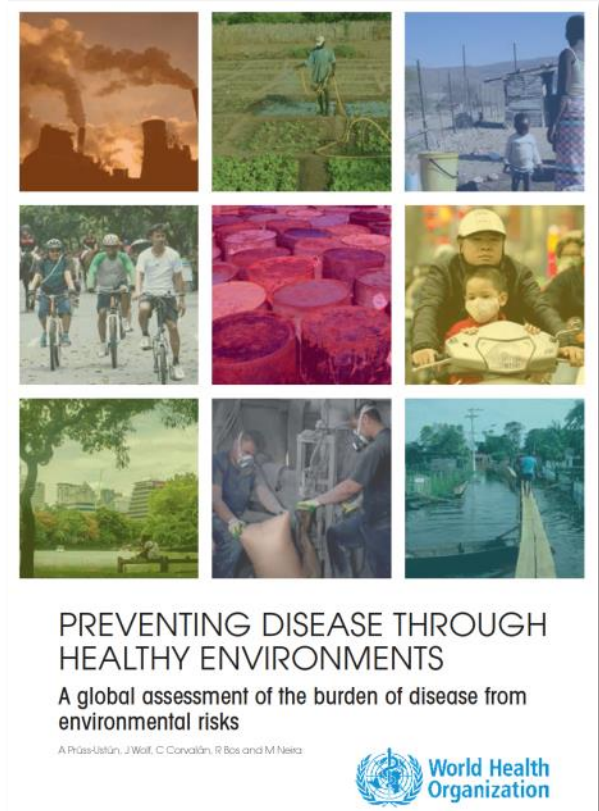
39% de adultos a nivel mundial tenían sobre peso en 2014 –
(representa casi 2 mil millones de personas)



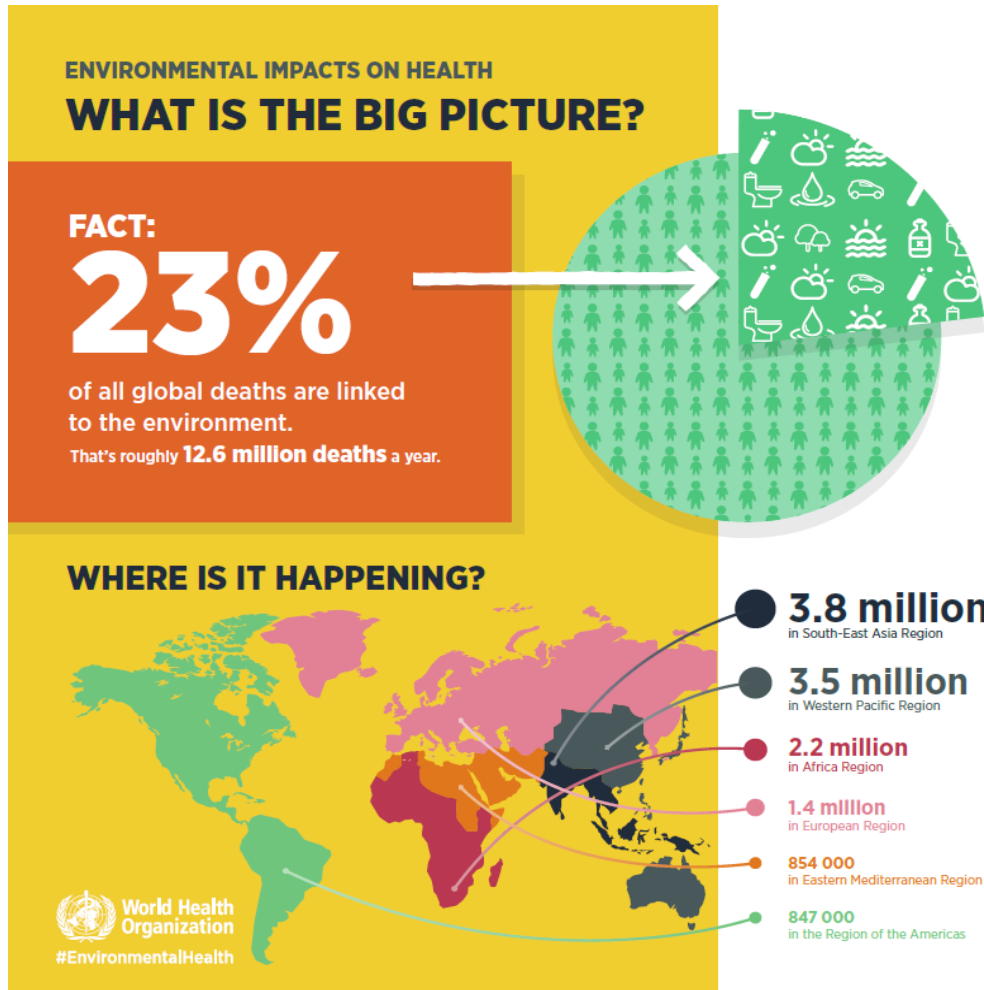
5-FACTORES DE RIESGO AMBIENTALES



12.6 million muertos/a
atribuibles a factores de riesgo
ambientales
596 million DALYs/a

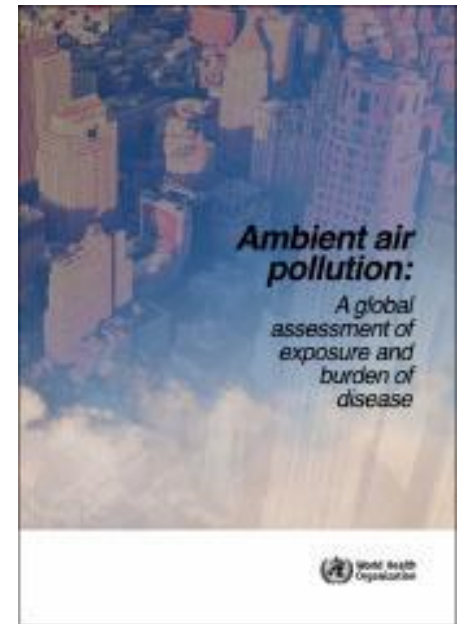
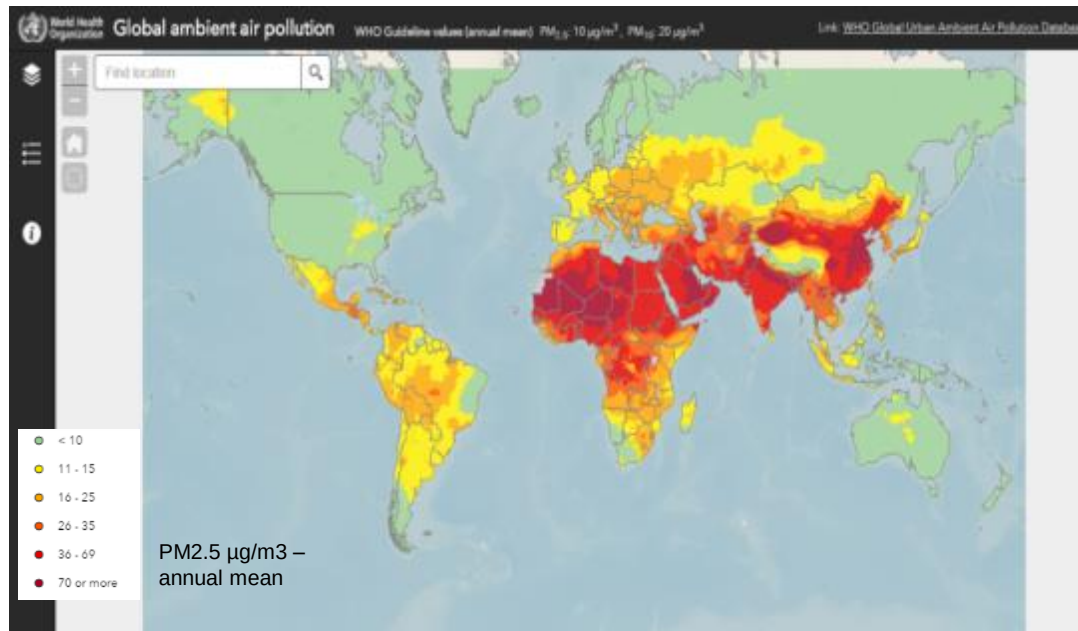


Global and environmental health



Many of the global health challenges we face today are linked to the decline of biodiversity and ecosystems.

Contaminacion urbana: Una emergencia?



Deaths due to ambient air pollution: **3 million/year**

Water, sanitation, hygiene

842 000

Diarrhoeal diseases deaths per year resulting from lack of safe drinking-water and inadequate sanitation and hygiene

58%

Proportion of the total diarrhoeal deaths that could be averted through safe drinking-water, sanitation and hygiene

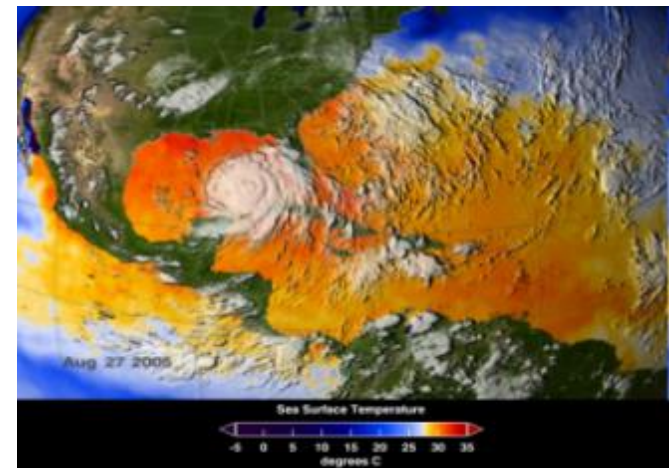
Open defecation perpetuates a vicious cycle of disease and poverty.



Cambio Climatico

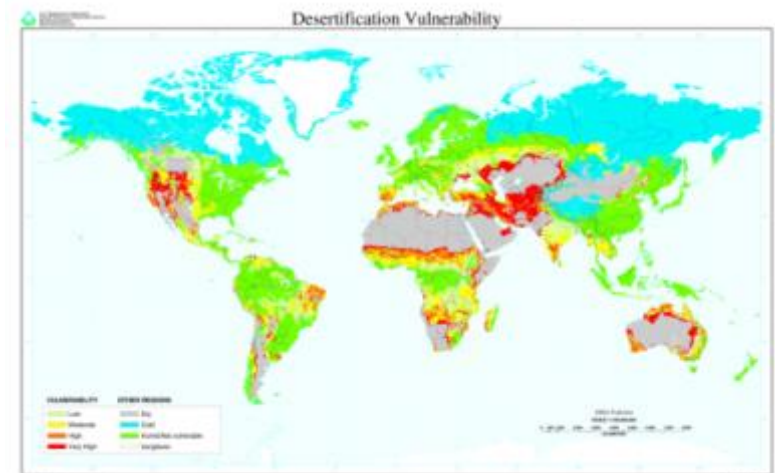


El Cambio Climatico puede poner en peligro todos los esfuerzos y logros de las ultimas decadas en salud y desarrollo.

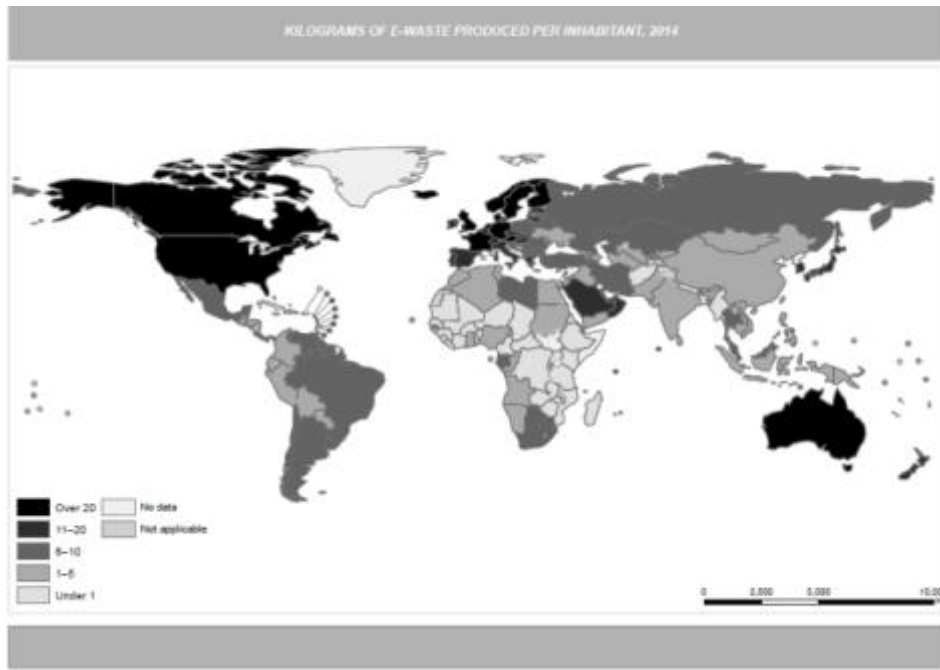


Desertificacion y seguridad alimentaria

- Mayores amenazas de **malnutricion debido a reduccion de acceso a recursos hidricos y produccion agricola.**
- Debido a la falta de acceso a agua potable, mayor riesgo de enfermedades diarreicas.
- **Aumento de Enfermedades Respiratorias** causadas por contaminacion atmosferica.
- **Desplazamientos masivos de poblaciones**



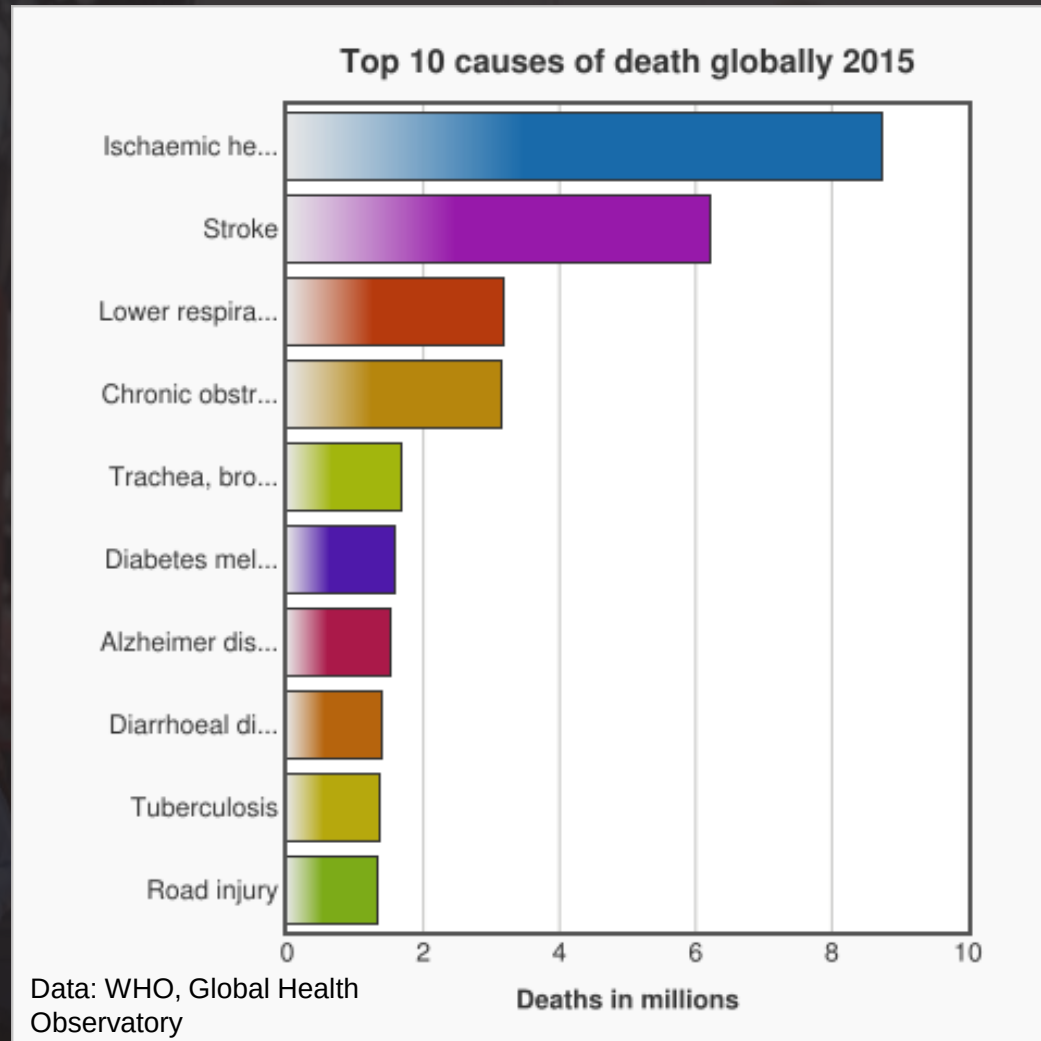
La basura electronica

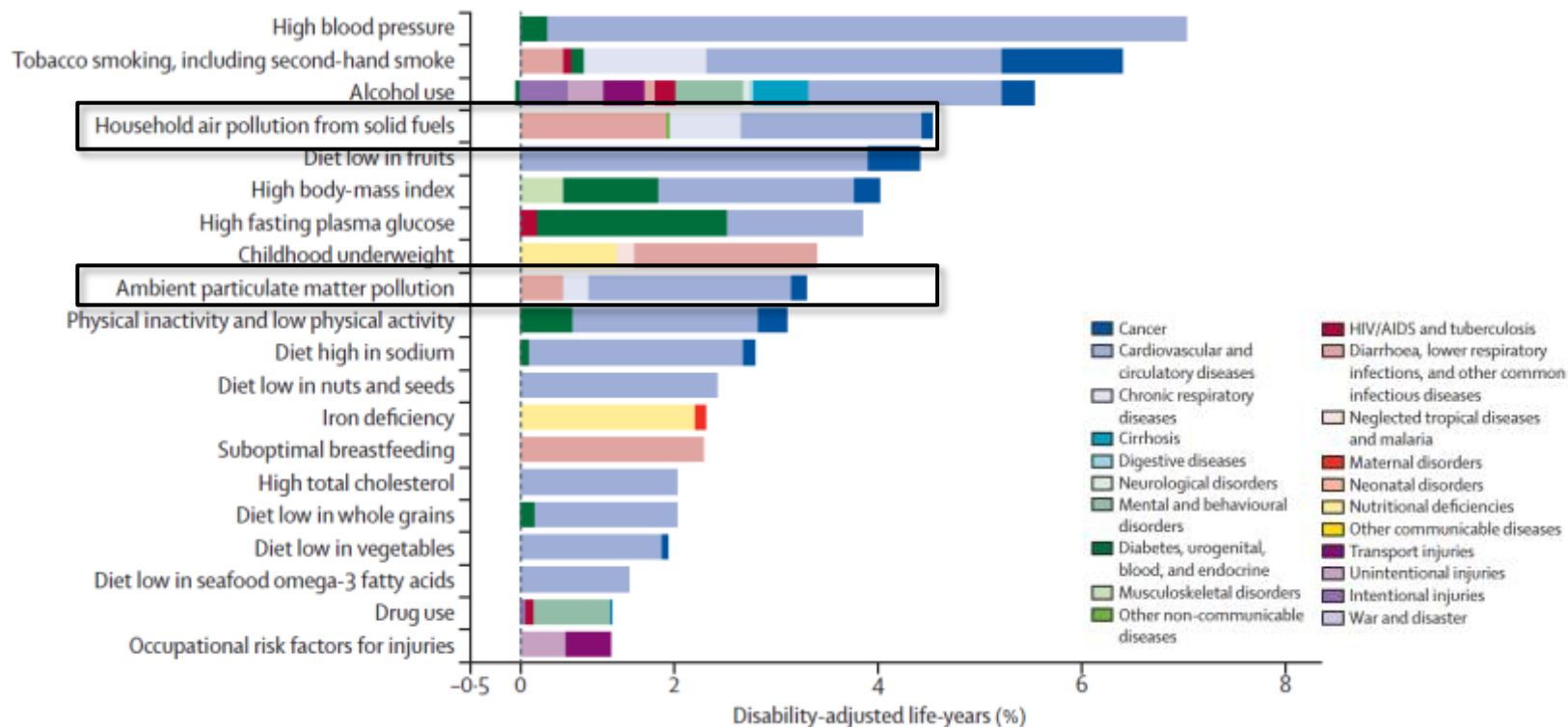


E-waste se espera que aumente en un 19% entre el 2014 and 2018.



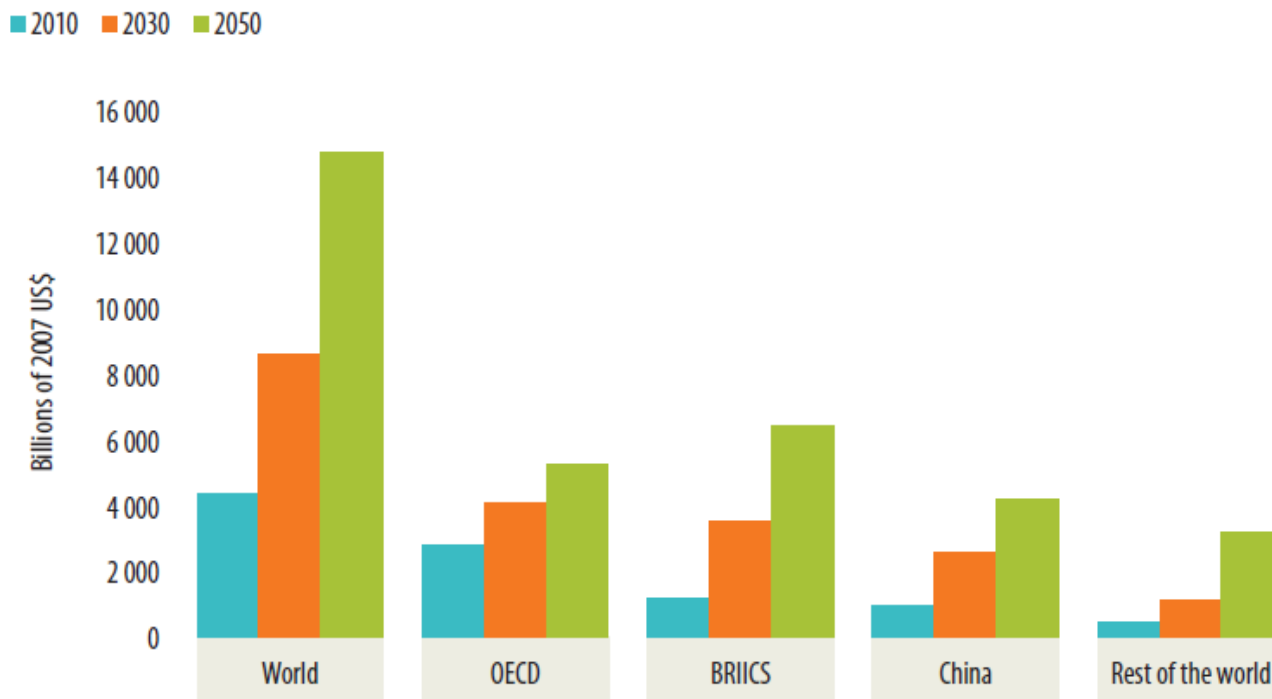
6-Top 10 causes of death





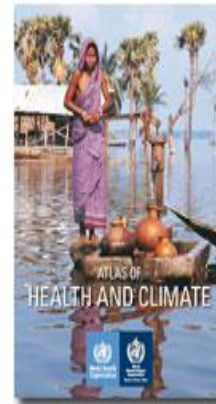
Exposicion a quimicos esta aumentando

Source: OECD Environmental Outlook to 2050: The Consequences of Inaction, (Chapter 6: Health and Environment)



Que papel para los responsables de Salud Publica?

- Evidencia cientifica
- Investigacion
- Trabajo con otros sectores
- Proponer politicas de SP y definir intervenciones
- Comunicacion, sensibilizacion, mobilizacion de recursos

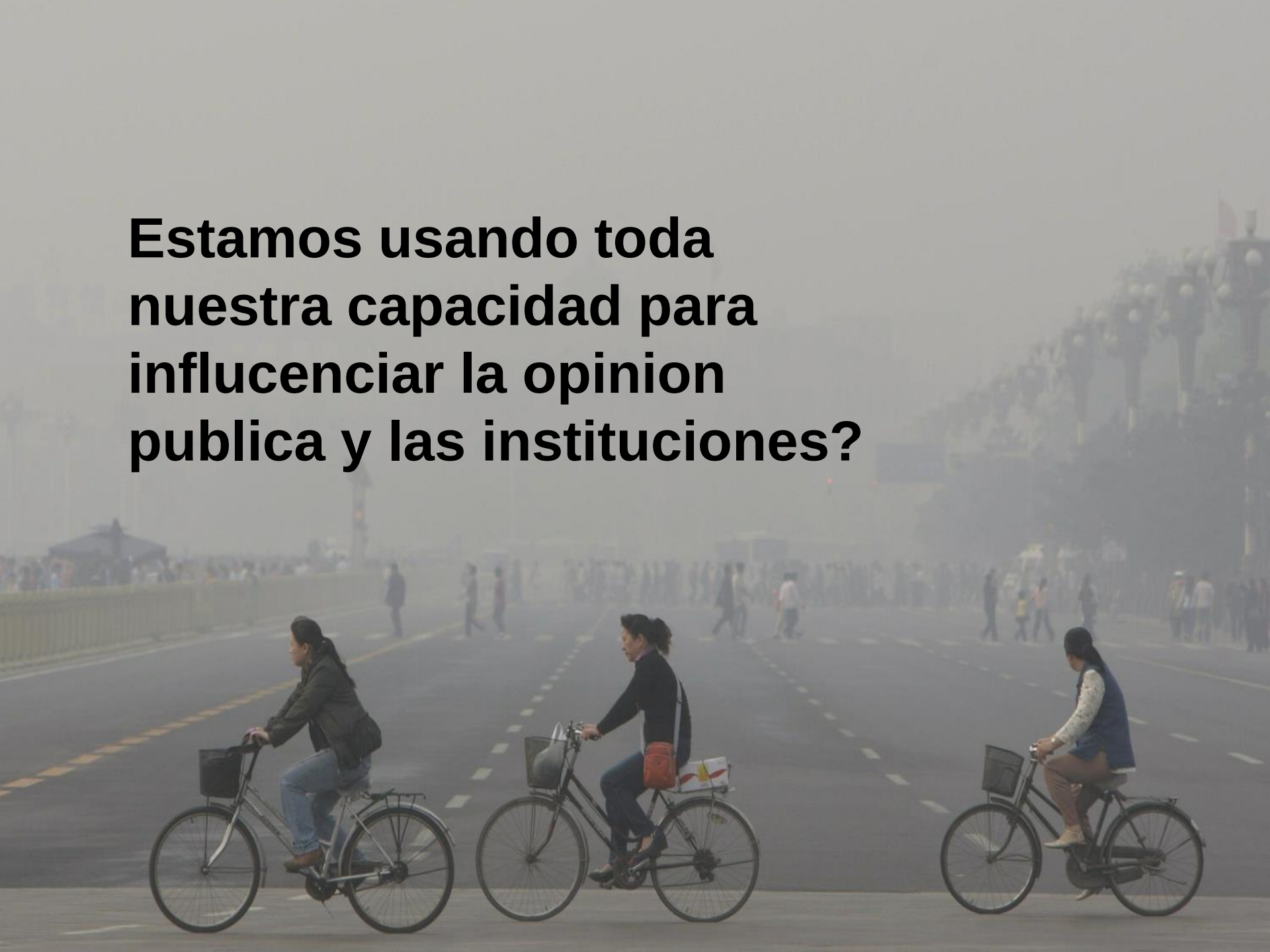


Un papel de influencia o conformarnos con el tradicional



World Health
Organization

**Estamos usando toda
nuestra capacidad para
influcnciar la opinion
publica y las instituciones?**



**Estamos trabajando con
otros sectores, ministros de
finanzas, energía, transporte
responsables locales,
municipales....?**



An aerial photograph of a city skyline during sunrise or sunset. The sun is a large, bright yellow-orange orb in the upper right quadrant, casting a warm glow over the scene. The sky transitions from a pale blue at the top to a hazy orange near the horizon. In the foreground and middle ground, several tall, modern skyscrapers are visible, their facades reflecting the ambient light. Some buildings have distinctive architectural features, like a grid-like facade on the left and a more complex, multi-colored facade in the center. The city extends into the distance, with more buildings and greenery visible under the hazy sky. The overall atmosphere is one of a bustling urban environment at the start or end of a day.

Donde estan las oportunidades?

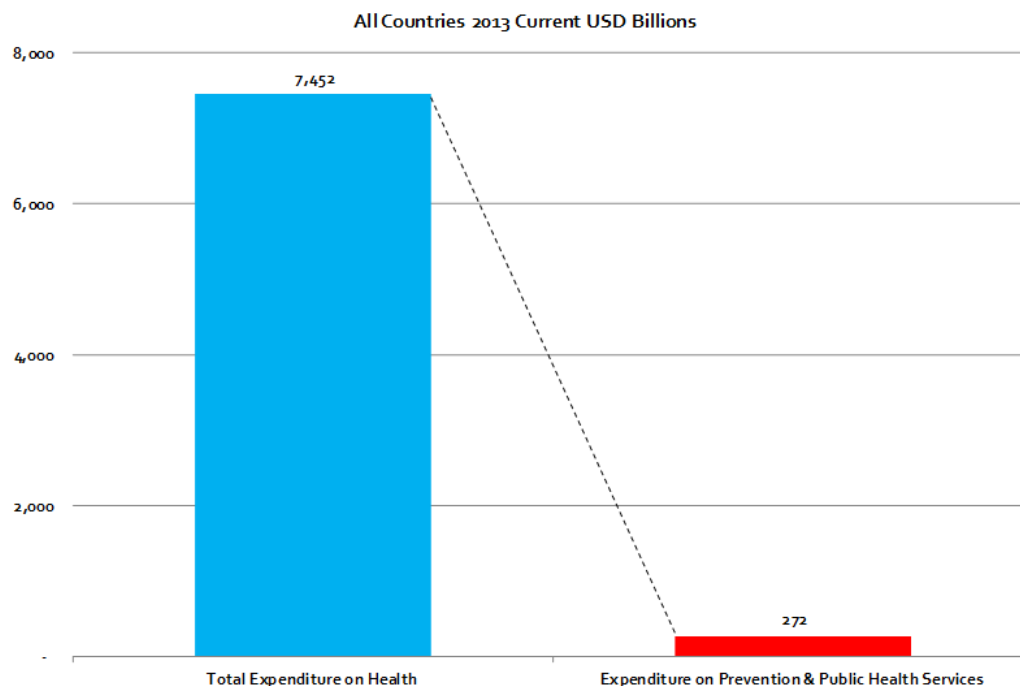
Policy Solution = Ultimate Solution

A formula for tackling air pollution problems in China:

Based on the lessons learned from the developed world:

Legislations + Technology +
Enforcement = Clean Air

El potencial poco explotado de la prevencion primaria



Expenditure on Prevention and Public Health Services accounted for an estimated 3.6% of total health expenditures worldwide in 2013

Source: WHO GHO, OECD, UK NHS, EIU, PHE Estimates

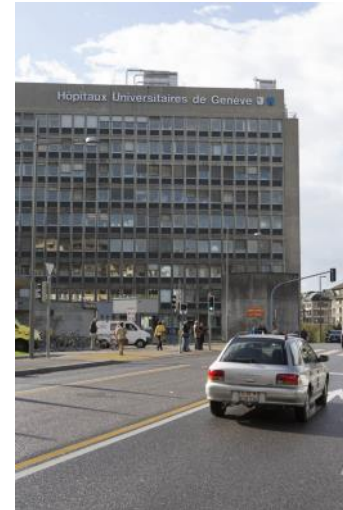
Los Objetivos de Desarrollo Sostenible ODD



Energia, el "game changer" para la SP



El sector salud: liderar con el ejemplo



A low-angle, night-time photograph of the Eiffel Tower in Paris. The tower's intricate lattice structure is illuminated with warm, golden-yellow lights. A large, bright blue projection of the text "PARIS CLIMAT 2015" is visible on the tower's facade. The sky is dark, and the overall atmosphere is one of a significant international event.

PARIS CLIMAT 2015

**Usar los tratados internacionales de forma
estrategica**

Recent cases of governments sued for inaction on air pollution and climate change

Parties	Case	Ruling		Year	Source
Urgenda vs. Dutch Government	Climate change/ Government ordered to cut carbon emissions	Dutch court orders state to reduce emissions by 25% within five years		2015	https://www.theguardian.com/environment/2015/jun/24/dutch-government-ordered-cut-carbon-emissions-landmark-ruling
Childrens Trust/21 youth plaintiffs vs. US Federal Government	Climate Change	„On November 10, 2016 Judge Ann Aiken issued an opinion and order denying the U.S. government and fossil fuel industry’s motions to dismiss a constitutional climate change lawsuit filed by 21 youth. The decision means that the youth, age 9 to 20 and from all over the U.S., now have standing because their rights are at stake, and now their case is headed to trial.“	US District Court Oregon	2016	http://www.businessinsider.com/kids-suing-government-for-climate-change-2016-11
Client Earth vs. UK Government	Air pollution	Court rules for second time in 18 months that the government is not doing enough to combat the national air pollution crisis	High Court	2016	https://www.theguardian.com/environment/2016/nov/02/high-court-rules-uk-government-plans-to-tackle-air-pollution-are-illegal
Environment Pollution Control Authority vs. Delhi/Indian States	Air pollution	The Supreme Court gives the Union government two days to chalk out a plan to tackle alarming levels of smog in Delhi after the Diwali festival	Supreme Court	2017	http://www.livemint.com/Politics/q389EW5hdOJ4achLNDTajP/Delhi-air-pollution-Supreme-Court-demands-antismog-plan-in.html
Milieudefensie vs. Dutch Government	Air pollution	Pending		2016	http://www.dutchnews.nl/news/archives/2016/08/93834-2/
Li Guixin vs. Shijiazhuang Municipal Environmental Protection Bureau (China)	Air pollution	Case withdrawn in mid-2014		2014	http://thediplomat.com/2014/02/chinese-man-sues-local-government-over-smog/ http://www.clapv.org/english_lvshi/ZhiChiAnJian_content.asp?id=68&title=Support%20cases&titlecontent=PD_zhichianjian
Deutsche Umwelthilfe	Air pollution	The city Munich had to develop an air quality management plan to comply with the EU Directive		2008	http://legal.cleanair-



Gracias

Mas informacion:

World Health Organization

<http://www.who.int/>

Public Health and Environment

<http://www.who.int/phe/en/>

Climate Change

<http://www.who.int/globalchange/climate/>

Health in Sustainable Development/Green Economy

http://www.who.int/hia/green_economy/en/

http://www.who.int/hia/health_indicators/en/index.html