# Climate change, environment and health work for a green COVID-19 recovery

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### WHO in the Western Pacific Region



- 37 countries and areas
- Nearly 1.9 billion people
- $> \frac{1}{4}$  of the world's population
- Big and small countries prone to disasters
- High-, middle- and low-income countries
- Stretches across 7 time zones

Pitcairn Islands

#### How we work:

- 1 of 6 WHO Regions
- Regional Office in Manila
- 15 WHO Country Offices
- More than 600 staff





### ENVIRONMENTAL IMPACTS ON HEALTH WHAT IS THE BIG PICTURE?

FACT: 23%

of all global deaths are linked to the environment. That's roughly **12.6 million deaths** a year.

#### WHERE IS IT HAPPENING?





**3.5 million** in Western Pacific Region

**2.2 million** in Africa Region

**1.4 million** in European Region

854 000 in Eastern Mediterranean Region

**847 000** in the Region of the Americas



World Health Organization Western Pacific Region **For the Future** Towards the Healthiest and Safest Region A vision for WHO work with Member States and partners in the Western Pacific

Vision for public health in WPRO, 2020-24:

Acting today to address the challenges of tomorrow, with the goals of making the WHO Western Pacific Region the healthiest and safest region.





#### Figure ES7. Deaths per capita attributable to the environment, by region and disease group, 2012

Infectious, parasitic, neonatal and nutritional diseases Noncommunicable diseases Injuries



Western Pacific Region

### **Air pollution in cities**







Figure 8: Number of deaths per 100 000 people that are attributable to all forms of pollution, 2015 GBD Study, 2016.<sup>42</sup>



## Proportion of population using drinking-water piped into their households, 2015







due to malaria, malnutrition, diarrhoea and heat stress.

World Health Organization n Pacific Region

World Health Organization

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#### Human survival and the global commons



25% of animals and plants are threatened with extinction (nearly 1 million species), many in the coming decades

75% of our crops are at risk due to loss of pollinators

#### UN, The Future is Now, 2019



### **Climate, environment and COVID-19**

- Land use, agriculture, food systems
- Biodiversity and ecosystems integrity
- Dicreasing "dilution effects" and buffer zones of pathogen carriers (M Everard, 2020)
- Bushmeat and wet markets
- Lack of access to water and sanitation





- 1. Protect and preserve the source of human health: Nature.
- 2. Invest in essential services, from water and sanitation to clean energy in healthcare facilities.
- 3. Ensure a quick healthy energy transition.
- 4. Promote healthy, sustainable food systems.
- 5. Build healthy, liveable cities.
- 6. Stop using taxpayers money to fund pollution.



Prescriptions and Actionables for a Healthy and Green Recovery





### 감사합니다





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