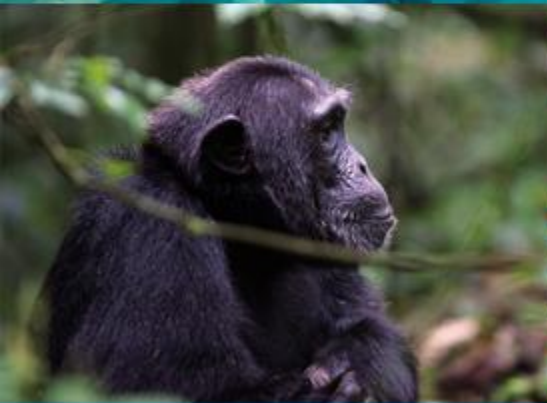




Escaping the 'Era of Pandemics'

Hien Ngo
Prev. IPBES Secretariat
UN FAO Biodiversity and Pollination expert



www.ipbes.net



The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)

To strengthen knowledge foundations for better policy through science, for the conservation and sustainable use of biodiversity, long-term human well-being and sustainable development

An independent intergovernmental body, established in 2012 by Governments, with currently 137 Members

IPBES' first work programme (2014 - 2018), currently implementing its second work programme (2019 – 2030)

Collaborative partnership arrangement with UNESCO, FAO and UNDP

Secretariat hosted by Germany, in Bonn



Indicative timeline of assessments

We are here



Year 1	Year 2	Year 3
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Year 1	Year 2	Year 3
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Year 1	Year 2	Year 3
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Scoping	Year 1	Year 2	Year 3	Year 4
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Scoping	Year 1	Year 2	Year 3
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Scoping	Year 1	Year 2
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Sustainable use of wild species

Values

Invasive alien species

Nexus

Transformative change

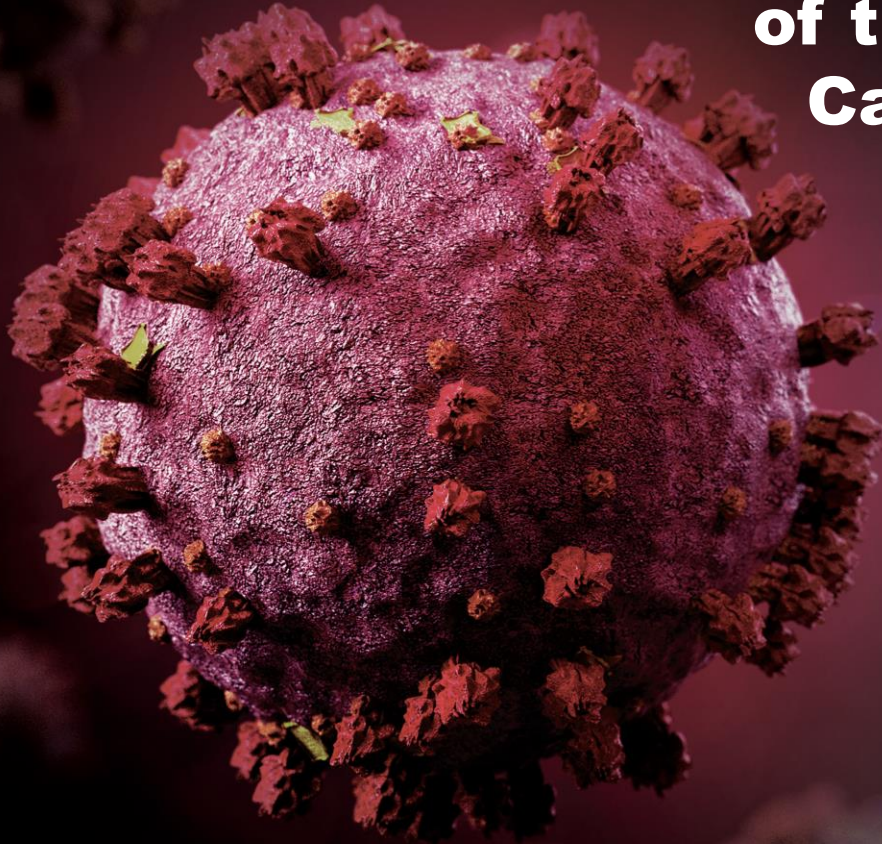
Business and



**We can escape the
Pandemic Era, but it
will require a
seismic shift
from reaction
to prevention.**



Almost All Pandemics of the Modern Era Are Caused by Zoonoses



- **COVID-19**
- **HIV/AIDS**
 - **Ebola**
 - **Zika**

- **Influenza A (H1N1)**



Drivers of Disease

- Land-use change
 - Deforestation
 - Urbanization

- Agricultural expansion and intensification

- Wildlife conservation





There are as many as **1.7 million** undiscovered viruses circulating in the wild right now. Between **631,000–827,000** could have the ability to infect humans.



We Can Identify and Address Pathogen Threats **Before** They Spread

- **Intergovernmental council on pandemic prevention**
 - Policy-relevant scientific information on disease emergence
 - Coordinate a monitoring framework
- **One Health approach**
 - Build pandemic preparedness programs
 - Enhance ability to investigate and control outbreaks
- **Incorporate pandemic risk into planning**
 - Factor pandemic cost into consumption, production, government policies and budgets
 - Enacting taxes or levies on high pandemic-risk





**Our business-as-usual
approach **does not** work.**

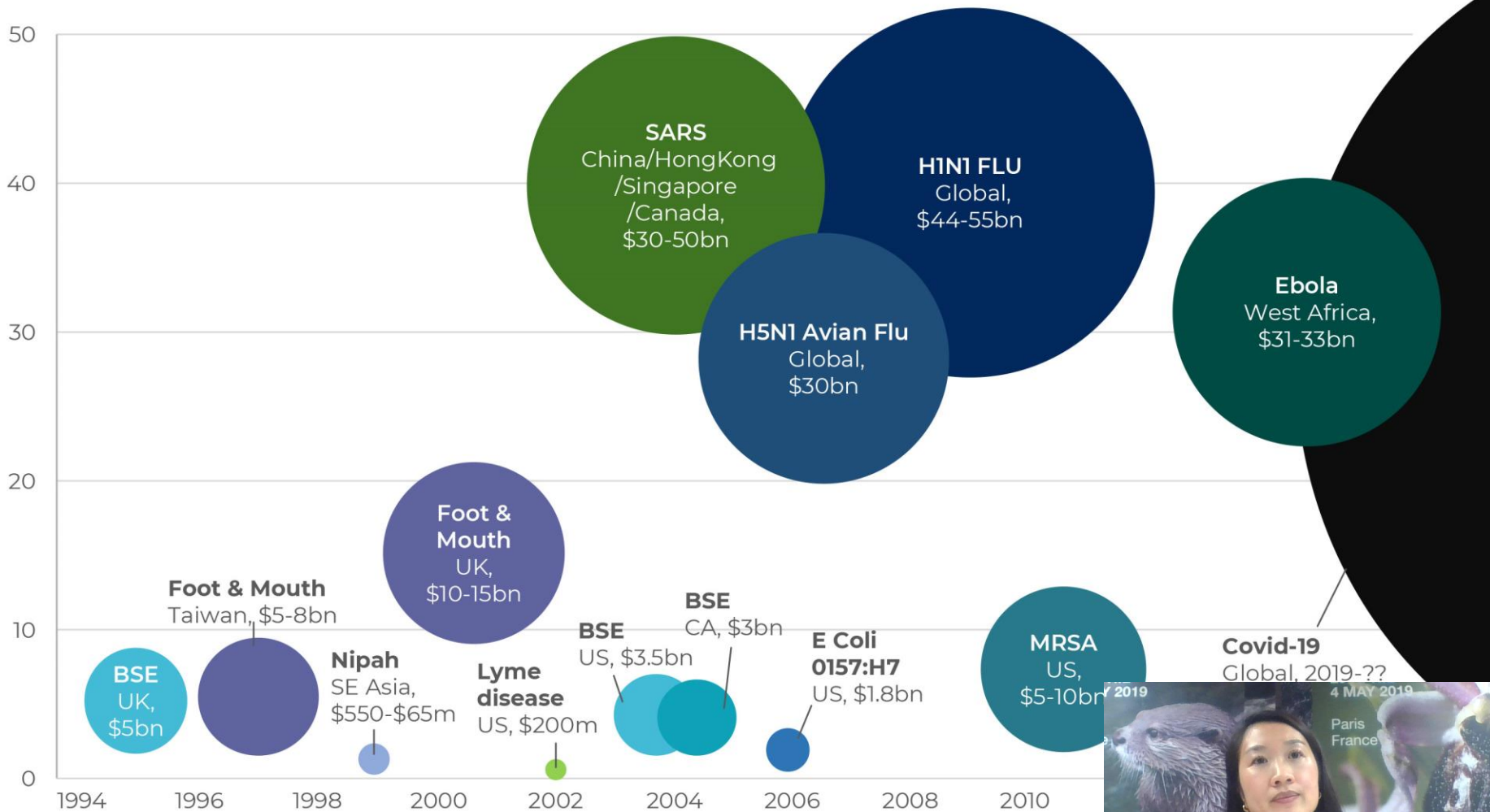


As We Wait for a Vaccine...

- **44 million cases of COVID-19 worldwide**
 - 1.1 million deaths
- **Exacerbating existing inequalities**
 - Gaps in care
 - Economic impact more severe for women, people in poverty, and Indigenous Peoples
 - Pandemic control policies can and should be inclusive
- **Trillions of dollars lost**
 - The cost of preventing pandemics pales in comparison to the impact of just one



Estimated Cost (Billions)





Strong economic incentives for **transformative change to reduce the risk of pandemics**

- Pandemics and other emerging zoonoses = **> \$1 trillion** in economic damages annually



- Global strategy to reduce the magnitude of pandemics ~ annually magnitude less than the 1918 influenza pandemic





Thank you!

