



Global Health Security 2022

Suntec Convention & Exhibition Centre
Singapore 28 June - 1 July 2022

Conference Program 2022

Welcome to GHS2022!

We are thrilled that you have been able to join us in Singapore to be part of an emerging health security community of practitioners, leaders, scholars, policymakers, scientists, implementers, and advocates dedicated to making the world healthier and safer for all.

As we come together at our second event it is worth reflecting on our inaugural conference held in Sydney in June 2019. Amongst other achievements, GHS2019 witnessed the adoption of the Sydney Statement that established a set of principles for achieving global health security. As the COVID-19 pandemic has amply demonstrated though, we still have a long road ahead of us to achieving these ideals.

Even as we pause to acknowledge the human tragedy and loss of loved ones, it is important we turn our attention to now developing innovative solutions and new ways of working so our communities are better prepared and capable of responding to the next disease event, irrespective of its origin or source.

Indeed aside from many existing diseases that have fallen off the radar during the pandemic, there are a raft of new challenges arising from microbially resistant pathogens even as we must start preparing for the challenges we face from a changing climate.

To meet these challenges ahead will mean building and strengthening not only our technical capacity, but as the pandemic has starkly shown, we also need better social, economic and political capacities as well.

We believe building these capacities and new methods of working is best accomplished by bringing people together, across disciplines and communities, to meet, interact, think-through, discuss, and plan for what needs to happen next.

In this endeavour, we are fully committed to elevating women and people from low-income countries to be part of the global conversation. Through our sponsors for GHS2022 we have been able to offer over 100 delegates full travel bursaries so they can join us in Singapore along with more than 700 delegates from 78 countries.

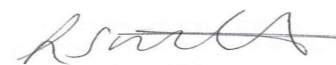
The fact that you are here and able to participate in GHS2022 is for us an achievement in itself. We have provided the venue and the forum. The rest is up to you.

Join with us in this endeavour, and let's build a better, more equitable world for everyone.



Professor Adam Kamradt-Scott
Convenor, GHS2022

Chair, Board of Directors, Global Health Security Network



Rebecca Smith
Conference Manager, GHS2022

Executive Manager,
Global Health Security Network



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TUESDAY 28 JUNE 2022
GHS2022 CONFERENCE

	Room 309	Room 310	Room 311	Room 323	Room 324	Room 325	Room 326	Room 327	Room 328
0830 Start	Strengthening Public Health Intelligence for Viral Respiratory Diseases through implementation of Event-based Surveillance	Whether the Global Health Security Agenda?	Strengthening Community Preparedness & Resilience to epidemic disease threats in the Asia-Pacific region	Science and Communication – pandemic friend or foe?	GHS Surveillance Action Package Workshop: Country Experiences, Challenges, and Solutions in using National Surveillance System for Detection of Emerging Infectious Diseases	Biorisk Communications: Practical Lessons from Multiple Settings	Countering mis/disinformation: when, how and with what means?	Strengthening Biosafety and Biosecurity Capacities Globally	Development of a Legal Preparedness Framework Guide to Help Support Country-Driven Action to Bolster Legal Preparedness
	Workshop organised by US Centers for Disease Control and Prevention	Workshop organised by the Pandemic Action Network	Workshop organised by the Red Cross and Red Crescent Movement	Workshop organised by FHI 360	Workshop organised by US Centers for Disease Control and Prevention	Workshop organised by CRDF Global	Workshop organised by Harvard TH Chan School of Public Health	Workshop organised by GHS Consortium	Workshop organised by US Centers for Disease Control and Prevention
1030-1100	Coffee Break								
1100 Start	[Workshop continued]	Augmenting global biothreat detection, verification & assessment with open-source intelligence	[Workshop continued]	[Workshop continued]	7-1-7: A Global Goal for Early Detection & Early Response	[Workshop continued]	[Workshop continued]	Strengthening Legal Preparedness and Promoting Equity in Vaccine Access through Liability Risk Management: Building on COVID-19 Lessons Learned	[Workshop continued]
		Workshop organised by BlueDot Global		Workshop organised by Resolve to Save Lives				Workshop organised by Office of Global Affairs, US Department of Health and Human Services	
BREAK 1300-1400	Lunch Break								
	Room 311 Stockpiling of Medical Countermeasures: considerations for strengthening global health security Organised by Meridian in partnership with Chatham House								
	Room 308	Room 323	Room 324	Room 325	Room 326	Room 327	Room 328	Room Nicoll 1	
Session 1 1400-1450	Urban Preparedness & Emergency Management	Building One Health Capacity	GHS Investments Supporting Multisector Collaborations to Strengthen Pandemic Preparedness in India	The Internet-Of-Things & Healthcare	COVID-19 Law Lab	Global Health Security Ethics	The Role of the GHS in the Global Health Security Architecture	AMR	Side Meetings
Title Speaker	Matt Boyce	Ratanaporn Tangwangvivat	Meghna Desai	Gemma Bowsher	Katherine Ginsbach	Frances Butcher	Soawapak Hinjoy	Nma Bida Alhaji	
Title Speaker	Olukayode Faleye	Md Zakul Hassan	Mayank Dwivedi	Rose Bernard	Olohikhaue Egbokhare	Leandro Viegas	Jose Fernandez	Wanwisa Kaewhankhaeng	

	Room 308	Room 323	Room 324	Room 325	Room 326	Room 327	Room 328	Room Nicoll 1	
Title Speaker	Public health and social measures: an integral part of the health emergency management cycle	Implementation of an acceptable, sustainable and cost-effective system of vector monitoring in Papua New Guinea	Utilizing GHS-Supported Workforce Development and Emergency Management Advancements to Respond to a Mass Gathering, Kumbh Mela 2021, Uttarakhand, India – April 2021	How telemedicine is helping in reducing the complications of TB, Hepatitis and HIV patients during covid-19 in Pakistan: An observational study	Measuring and Evaluating Epidemic Response Laws and Policies	Addressing health inequities through health system strengthening to advance pandemic preparedness	Late Withdrawal	Using the Center of Excellence model to improve infection prevention and control for antimicrobial containment and service delivery: Experiences from Uganda	
Moderator	Tanja Schmidt	Enoch Waipeli	Daniel Vanderende	Ghulam Mustafa Halepota	Kashish Aneja	Patricia Richter	Late Withdrawal	Reuben Kiggundu	
Session 2 1500-1550	Room Nicoll 2 & 3 Ending Neglected Diseases & Diseases of At-Risk Populations Lady Roslyn Morauta, Vice Chair of the Global Fund to Fight AIDS, Tuberculosis and Malaria Dr Sarthak Das, Chief Executive Officer, Asia Pacific Leaders Malaria Alliance Dr Daniel Bausch, Director, Emerging Threats and Global Health Security, FIND Moderated by: Professor David L. Heymann								
1600-1730	Room Summit 1 GHS2022 Welcome Drinks Dr Vernon Lee, Ministry of Health, Singapore Dr Stephanie Williams, Ambassador for Regional Health Security (Australia) Dr Scott Becker, Chief Executive Officer, Association of Public Health Laboratories Moderated by: Professor Adam Kamradt-Scott, Convenor GHS2022								
1730-1900	Room Summit 1 The Next Generation of Health Security Leaders Networking Event - The Importance of the Views of Young Scientists and Leaders Organised by Nuclear Threat Initiative								



WEDNESDAY 29 JUNE 2022

GHS2022 CONFERENCE

Room 328-329
Experience an interactive demonstration of an integrated, open-source eHealth ecosystem - Tamanu, Tupala, mSupply
Organised by Beyond Essential Systems

Room 406
Official GHS2022 Opening
Welcome by Professor Adam Kamradt-Scott, GHS2022 Convenor
Professor Yik Ying Teo, Dean, Saw Swee Hock School of Public Health, National University of Singapore
Opening Address by the Hon. Mr Ong Ye Kung, Minister for Health, Singapore

Room 406
Multilateralism & the Future of Global Health Cooperation
Mr Antony Blinken, 71st Secretary of State, United States (recorded address)
The Hon. Mr Ong Ye Kung, Minister for Health, Singapore
The Hon. Dr Joe Phaahla, Minister for Health, Republic of South Africa
The Hon. Dr Jane Ruth Aceng, Minister for Health, Republic of Uganda
Moderated by: Dr Stephanie Williams, Ambassador for Regional Health Security, Australia

BREAK
1020-1045
Coffee Break

Room 406
Women in Global Health Security
Her Excellency Tarja Halonen, President of Finland (former)
Ms Precious Matsoso, Director General of Health, National Department of Health, Republic of South Africa (former)
Associate Professor Clare Wenham, London School of Economics
Professor Michelle Williams, Dean, Harvard TH Chan School of Public Health
Mr Robin Davies, First Assistant Secretary, Department of Foreign Affairs and Trade, Australia
Moderated by: Professor Rebecca Katz, Georgetown University

	Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Session 6 1210-1300	Financing Preparedness: New Approaches	Disinformation and the Impact on Health Emergencies: a Growing Threat	Global Law on Pandemic Prevention	Multisectoral Capacity Building	Data-driven Tools for Evaluating Global Health Security	The Global Health Security Network: Reaching Policy Communities	Climate-sensitive and pandemic-prone diseases: are we destined to fail in equitable access to innovation?
Title Speaker	Addressing the Communication Gap: Using a Preparedness Financing Visualization as a Policy Tool for Consensus-Building Vivian Wang, Shuen Chai	Discommunication: tracking the impact of scientific communication from dis- and mis-information and misrepresentation Rose Bernard	The International Law and Governance of 'One Health' Ayelet Berman	Enhancing health security through public, private, and civil society multi-sectoral partnership Edward Booty	2021 Global Health Security Index Jessica Bell	The COVID-19 Pandemic vs Post-Truth Jennifer Hunt	Leadership from LMICs to address regional needs Muhammad Radzi
Title Speaker	The potential of multisectoral funding agreements for increasing equitable access to global health security intervention Julia Barnes-Weise	Russian biodisinformation in 2018: The very real security implications of fabrication Filippa Lentzos	Whose Global Health Security? Aeyal Gross	Developing aspiring laboratory leaders: novel ways of International Health Regulation strengthening Jessica Moll	AA New "Joint Assessment Mechanism" for Investing High-Consequence Biological Events of Unknown Origin Jaime Yassif, Angela Kane	COVID-19 Vaccines and Intellectual Property Sam Halabi	Addressing challenges in current biomedical innovation systems Kavita Singh
Title Speaker	Budget advocacy for epidemic preparedness - Lessons from Nigeria Emmanuel Alhassan	Disinformation and the Cyber-bionexus Gemma Bowsher	Pandemic Risk Reduction: Towards a Preventive Legal Approach Pedro A. Villarreal	Exploring context – a practical application of implementation science theory to strengthening and development of multisectoral coordination capacities and capabilities Christopher Cartwright	The UNDRR/ISC Hazard Terminology and Classification Review Hazard Information Profile (HIP) Supplement: a novel contribution to Global Health Security's adoption of the all hazards approach Kanza Ahmed	The Drivers of COVID-19 Vaccine Uptake and Strategies to Increase Vaccination Rates Kerrie Wiley	Advancing medical research for tropical infectious diseases Pattarachai Kiratisin
Moderator	Mukesh Chawla	Matthew Lim	Clare Wenham	Tim Nguyen	Adam Dunn	Yanzhong Huang	Joan Herbert

Lunch Break

Room 331
Monkeypox
Organised by Bavarian Nordic

Room Nicoll 3
Connecting global data in an age of distrust
Organised by Rockefeller Foundation

BREAK
1300-1400

	Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Session 7 1400-1450	Communicating Risk to the General Public	WHO Global Guidance Framework on the Responsible Use of the Life Sciences	Tackling 21st Century Biothreats	Citizen science to drive a more responsive and inclusive digitally-enabled pandemic preparedness and response scheme	Parliament's role in strengthening health security preparedness: the International Health Regulations	Multisectoral Collaboration	Enhancing Preparedness & Response via Data
Title Speaker	Predictors of satisfactory public knowledge of the COVID-19 pandemic among a cross-section of Africans and non-Africans Ismail Odetokun	Guiding values and principles for the safe, secure and responsible use of life sciences Filippa Lentzos	Indonesia's Preparedness in Facing Bioterrorism: A Policy Triangle Analysis Raden Roro Mega Utami	Multidisciplinary and participatory approaches in data collection or more e-ecti e data-driven responsive pandemic surveillance Mariana Recamonde-Mendoza	Parliaments as agents of change Sanjay Jaiswal	Acceleration teams: A model for strengthening governance for preparedness Rahel Lemma Yemanaberhan	Web Scraping for rapid data generation to improve public health emergency preparedness and response reports Meredith Pinto
Title Speaker	Infodemic, Ignorance, or Imagination? COVID-19, Ebola, and the politics of expertise in global health emergencies Jessica Kirk	Tools and mechanisms for biorisk management Anita Cicero	Establishing the International Biosecurity and Biosafety Initiative for Science Jaime Yassif, Hayley Severance	Participatory modelling for public health decision-making Marc Choisy	Fostering multisectoral coordination for health emergency preparedness Ludy Suryantoro	Deploying Coordinating Mechanisms to Mobilize Non-Health Sectors During Public Health Emergencies Olaloluwa Akinloluwa	Dynamic preparedness metric – a paradigm shift in measuring preparedness Nirmal Kandel
Title Speaker	Communicating Uncertainty: a journalists' perspective Jason Gale	Awareness-raising, education and capacity building to for the responsible use of life sciences Halima Benbouza	One Health Approach for Biological Threat Reduction in Ukraine Lida Anestidou	Citizen Engagement in Pandemic Preparedness and Response Scheme through Civil Society Representation: Case and Experience of the Provincial Government of Tarlac (PGT) and Wireless Access for Health (WAH) Felipe Canlas	Strengthening parliamentary institutions to build resilience Oral Ataniyazova	Towards greater health security, one choice at a time Heather Brindley	Harnessing Human Mobility Data to Rapidly Predict & Track Emerging Infectious Diseases Threats Isaac Bogoch
Moderator	Carmen Huckel Schneider	Anna-Laura Ross	Trevor Smith	Carolyn Reynolds	Wilmot James	Andrew Nerlinger	Rachael Piltch-Loeb

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Session 8 1500-1550	Critical reflections on the Pandemic Treaty	Multilateralism, COVID-19 & R&D	AMR	Strengthening National Legal Preparedness in the wake of COVID-19	Disinformation as a Health Security Threat	Sustaining Genomic Sequencing and Bioinformatics Capabilities for the Post-COVID World	Preparedness & Global Monitoring Frameworks
Title Speaker	The Pandemic Treaty: fragmenting an already fragmented system? Mark Eccleston-Turner	Intellectual Property Barriers to COVID-19 Vaccines Sam Halabi	A point prevalence survey of antibiotic use across 13 hospitals in Uganda Waswa John Paul	Enhancing national legal preparedness: A framework for rapid analysis, sensitization and remediation Cedric Aperce	Disinformation as Information warfare: Long term implications of the post-truth pandemic Jennifer Hunt	Genomic Sequencing and Bioinformatics Capabilities for Early Detection of Zoonotic Diseases in Animals and the Environment Gerald Parker	Evolution of the Global Health Security Index Mukesh Chawla
Title Speaker	The Pandemic Treaty: a cosmopolitan solution? Clare Wenham	WHO global health foresight for emerging technologies Anna-Laura Ross	Mapping access to pharmacy services in Vietnam: distribution of drug outlets and the sociodemographic characteristics of the communities that serve Justin Beardsley	What is 'essential' during a pandemic? A legal study of national responses to COVID-19 in 40 countries Pedro A Villarreal	Strategies and tactics: an inside look at disinformation campaigns Kacper Gradon	Sustaining Genomic Sequencing and Bioinformatics Capabilities Identifying Common and Priority Technical Needs Noah Hull	Analysis of Preparedness Measures for COVID-19 and Other Major Epidemics and Pandemics John Ssenkusu
Title Speaker	The Pandemic Treaty as a Framework Convention: lessons from the FCTC Ngazi Erondu	A decade of R&D funding for platform technologies Joelle Tan	Curriculum Development for Antimicrobial Resistance: The Kenyan National Action Plan Implementation Experience Sheilla Chebore	COVID Analysis and Mapping of Policies: A comprehensive resource of global policy and legal measures to address pandemics Ellie Graeden	What is to be done? Ways forward in the Disinformation Crisis Saif Abed	Sustaining Genomic Sequencing and Bioinformatics Capabilities: Using Data to Inform Public Health Response Sherrie Staley	Analyzing COVID-19 outcomes in the context of the 2019 Global Health Security (GHS) Index Jennifer Nuzzo
Moderator	Precious Matsoso	Jeremy Knox	David Heymann	Sarah Steele	Matthew Lim	Judith Wong	Jessica Bell

BREAK
1550-1630
Coffee Break

Room 406
Sustainably Financing Global Health to Tackle the 'Big Killer' Diseases
The Hon. Dr Jane Ruth Aceng, Minister for Health, Republic of Uganda
The Hon. Dr Joe Phaahla, Minister for Health, Republic of South Africa
Mr Peter Sands, Executive Director, The Global Fund
Dr Lucica Ditiu, Executive Director, Stop TB partnership
Moderator: Professor Yik Ying Teo, National University of Singapore

Conference Dinner
1900-2200
Summit 1
GHS2022 Gala Dinner
(Ticketed Event)

THURSDAY 30 JUNE 2022
GHS2022 CONFERENCE

Room 328-329 Experience an interactive demonstration of an integrated, open-source eHealth ecosystem - Tamana, Tupika, mSupply Organized by Beyond Essential Systems						
Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Global One Health Governance	Financing Preparedness & Response	Developing & Implementing Health Security Frameworks	COVID-19 Vaccinations: Ethics & Challenges	African Preparedness & Response	Utilising Assessments to Improve Preparedness	Multilateralism & Health Security
OIE response to COVID-19 and current knowledge of events in animals	Financial assistance for health security: effects of international financial assistance on capacities for preventing, detecting, and responding to public health emergencies	Biological Safety Cabinet Certification, Global Workforce Development for a Sustainable Future	Household Perception Survey on COVID-19 Vaccine Acceptance	Culturally-relevant & Technology-enabled Methods for Scaling Pandemic Preparedness & Response: A Pan-African Focus	Multi-Sectoral Self-Assessment of Health Security in Uganda, May – September 2021	Assessing a potential role for the Global Fund in financing for global health security
Mariana Marrana	Matt Boyce	Lucy Maryogo-Robinson	Kemisola Agbaoye	Jonathan Dangana	Maureen Nabatanzu	Rebecca Katz
Time for a dual track approach? Animal and Human Global Health Governance	The costs of improving health emergency preparedness: a systematic review and analysis of multi-country studies	Developing the WHO global guidance framework to harness responsible use of life sciences	Massive vaccination rollout and vaccine equity: Lessons learned from Portugal	Liberia's 14 Military Hospital: A Pillar for National COVID-19 Response Success Story	Development of a subnational health security assessment tool: lessons from Nigeria	How the WHO Global Strategic Partnership Network will help strengthen Global Health Security
Sara Davies	Nirmal Kandel	Soatiana Rajatonirina	Julio Gouveia-Carvalho	Joseph Kowo Jr	Danjuma Jenom	Tina Endericks
Wet markets, unintended consequences and the COVID-19 pandemic: Lessons from Vietnam, Kenya and the Philippines	R&D expenditure for WHO Blueprint priority pathogens, including COVID-19	WHO Benchmarks for International Health Regulations Capacities, a useful framework to build sustainable One Health Antimicrobial Resistance surveillance systems in sub-Saharan African countries: Cameroon learning experience	Ethics and heterogeneous vaccination policies	Impact of Global Health Security Agenda implementation by US Centers for Disease Control and Prevention (CDC) on Uganda's COVID-19 pandemic response: case for sustaining and broadening investment	Joint External Evaluation scores and communicable disease deaths: the difference between epidemics and pandemics	Multilateral Institutions and Legal Gaps during the COVID-19 Response
Kevin Bardosh	Vanessa Candeias	Mohamed Mactar Mouloum Mouiche	Antonio Scala	The Hon. Jane Ruth Aceng	Vageesh Jain	Sam Halabi
Precious Matsoso	Shuen Chai	Rahel Lemma Yemanberhan	Kerrie Wiley	Ngozi Erondu	Elie Graeden	Simon Rushton
Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Global Health Security, Emerging Technology, and the Views of Young Scientists and Engineers	Training a global public health intelligence workforce	Urban health emergency preparedness: Building city capacities from naturally occurring, accidental, to deliberate health threats	Building Surveillance Capacity in Papua New Guinea	Exploring Zoonotic Disease Transmission Dynamics	COVID-19 Intra-Action Reviews: New models, tools, and approaches to public health emergencies	Financing & Resourcing Preparedness
IGEM's Safety & Security Program	Early warning surveillance in communities and health facilities	The increasing importance of cities in health security and health emergency preparedness	Evaluating an Electronic Real-Time Sentinel Febrile Illness Surveillance System in Papua New Guinea	MERS-CoV research, surveillance in camels, and veterinary capacity building: summarizing FAO's findings and achievements in Egypt, Ethiopia, Jordan, and Kenya since 2016	Scaling up intra-action reviews globally for course correction and improvement of national and sub-national COVID-19 control strategies	Estimating cost requirements to build global health security capacity
Piers Millet	Arun Balajee	Vernon Lee	Diana Timbi	Sophie Von Dobschuetz	Landry Ndriko Mayigane	Rebecca Katz
G-quadruplex-directed colorimetric virus detection system	The dawn of a new era for public health intelligence	Engaging the sub-national level in health security and health emergency preparedness	Strengthening antimicrobial resistance surveillance and information sharing in Papua New Guinea	Joint investigation of zoonotic source of the recent Ebola disease outbreak in Guinea	COVID-19 Intra-Action Reviews: An Opportunity to Plan for a Sustained Response	Resource Mapping for International Health Regulations Implementation in Mali
Hongda Fu	Philip AbdelMalik	Otu Kuivaniemi	Deborah Tong	Alpha Oumar Camara	Ashley Greiner	Souleymane Diarra
AmeBye: prevention and detection tools for eradication of infectious disease amebiasis	Strengthening Public Health Intelligence Networks in Brazil	The role of the WHO in supporting strengthened health security and health emergency preparedness in cities	STRIVE PNG: Using a partnership-based approach in implementation research to strengthen surveillance and health systems in PNG	Quail rearing and selling practices and the potential for transmission of avian influenza viruses from quail to humans, Dhaka, Bangladesh in 2015	The Intra-Action Review of Indonesia's Response to the COVID-19 Pandemic	Measuring and monitoring resource flows for pandemic preparedness in country budgets
Greta Zaburarte	Janalana Sallas	Ludy Suryantoro	Annie Dori	SM Murshid Hasan	Endang Budi Hastuti	Rocio Schmunis
Pelling Yap Bratschi	Diana Wong	Chong Chee Khiong	Stephanie Wheeler	Nick Harris	Christopher Lee	Carolyn Reynolds
Coffee Break						
Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Lessons Learnt from COVID-19 Pandemic to Strengthen Health Financing Systems to Meet Future Health Challenges	Tracking & Managing Misinformation	Preparedness & Response to Hazardous Events	COVID-19, Quarantine & the Impact on Healthcare Workers	Strengthening African One Health Capacity I	Enhancing Biosafety & Biosecurity Practices	AMR in the Indo-Pacific Region
Singapore's Health Financing Responses and Lessons Learnt from COVID-19 Pandemic	Building Resilient Health Systems Intelligence: Adapting Indicators of Compromise for the Cyber-Bioxenus	Building Resilience Against Agro-Crime and AgroTerrorism	Quarantine during health emergencies and respect for human dignity	Challenges to operationalizing One Health: Evidence from East Africa	Mapping biosafety-related activities and expertise within UN entities	Antimicrobial Resistance of <i>Salmonella</i> Isolated from Canal Water in Bangkok, Thailand 2016-2019
Esabelle Yam	Gemma Bowsher	Daniel Donachie	Mahesh Devnani	Ugo Pica-Ciamarra	Veronica Rovigno	Saowapa Khotchalai
China's Health Financing Responses and Lessons Learnt from COVID-19 Pandemic	Three Years of Tracking Vaccine Opposition and Misinformation: Lessons Learned from Project VCTR	A unique tool for investigation of alleged use of biological weapons: the Secretary-General's Mechanism	How a proactive approach helped to curtail the spread of COVID-19 virus in Dharavi, India	Uganda Mountain Community Health System— Perspectives and Capacities towards Emerging Infectious Disease Surveillance	A Regional Approach to Assessing Biosafety and Biosecurity in North Africa and the Middle East: Exploring Monitoring Frameworks	Causes of antimicrobial resistance among low income urban 55-years children in Bangladesh
Huang Jiyuan	Joe Smyser	Christine Uhlenhaut	Parangmalal Diwaker Madan Kumar	Siya Aggrey	Alexander Linder	Sabrina Sharmin
Indonesia's Health Financing Responses and Lessons Learnt from COVID-19 Pandemic	Managing Misinformation Using a Multimedia Approach	Event-Based Surveillance of Poisonings and Potentially Hazardous Exposures Over 12 Months of the COVID-19 Pandemic	Global mortality and morbidity of COVID-19 on healthcare workers	Can IHR-PVS national bridging workshops be used to strengthen multisectoral collaboration for health security capacities at local level? The experience of Cameroon	Action to Accelerate Biosafety and Biosecurity Capacity: A model for collaborative, sustainable development in Africa	HIV drug resistance – an AMR threat to Ending AIDS in the region
Liza Munira	Kemisola Agbaoye	Meghan Cook	Diana Wong	Viviane Fossou Ndoungue	Talkmore Maruta, et al.	Janet Gare
Andrew Nerlinger	Tina Purnat	Wilnot James	Irene Lai	Henry Kyobe	Jacob Eckles	Jason Gale

Session 13 1200-1250
Session 10 0830-0920
Session 11 0930-1020
Session 12 1100-1150
Session 13 1200-1250
Session 14 1400-1450
Session 15 1530-1620

Room 331	Room 332	Room 334				
Data & Information Systems for Preparedness/Response Challenges	Accessing the BPaL Regimen in High Burden Countries	Closing the gap for new and improved vector control tools in the Indo-Pacific and beyond				
Gaps, inertia and agility in data collection and collation systems during the Covid-19 pandemic - A cross-country comparative study	BPaL Introduction in The Philippines	IVCC's role in delivering novel Vector Control Tools (VCT) to meet global challenges				
Carmen Huckel Schneider	Irene Flores	Mathias Mondy				
Bioinformational Diplomacy: The Global Politics of Data Sharing	BPaL Introduction in South Africa	Building Vector Control Capacity to Reduce Malaria Transmission in Papua New Guinea				
Stefan Elbe	Norbert Ndjeka	Petrina Johnson				
Implementation of an Electronic Supply Chain Management System for Sentinel Site Surveillance in Papua New Guinea	Developing Regimens to Fight Drug-Resistant TB	Tools for malaria elimination - evaluation of bite prevention tools delivered in forest packs in Mondulkiri province, Cambodia				
Marie Elliott	Ana Maria Harkins	Siv Sovannaroth				
Judith Wong	Lucica Ditiu	Stephanie Wheeler				
Lunch Break						
Room 331 'How can we elevate influenza preparedness in the global health security arena?' Organised by Ready/Respond						
Room 328-329 Success Attributes From Past Epidemics and Pandemics - WhatCan Global North Learn from Global South? Organised by Jacobs						
Room 331	Room 332	Room 334				
African and Middle Eastern COVID-19 Impacts & Response	Climate, Disasters & Resilience	Stakeholder Engagement & Behavioural Interventions				
Survey to identify systems in place for COVID-19 surveillance in the Middle East and North Africa region	Hurricanes and Health: Preparing Small Island Healthcare for Climate Change	Behavioural interventions as catalyzed in reversing malaria deaths in Kisumu County, Kenya				
Sabrina Shivji	Tarinee Kucchal	Denis Ojuok				
Open-source toolkit used for Senegal SARS-CoV-2 outbreak response: from data collection to survey monitoring	Zoonotic disease dynamics in the Indus delta: climate change, environmental displacement and health outcomes	Harnessing Stakeholder Engagements for a more defined animal health strategy in the Philippines				
Jerlie Loko Roka	Dorien Braam	Carolyn Anne Benigno				
Foregone healthcare over a one-year period during the COVID-19 pandemic lockdown in Uganda	Climate, disasters, and community resilience: a Red Cross Red Crescent Perspective	Late Withdrawal				
Derrick Bary Abila	Veronica Bell	TBA				
Henry Mwebesa	Lisa Natoli	Simon Rushton				
Coffee Break						
Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Lessons Learnt from Ebola Response	Building & Maintaining an Effective Workforce	Evaluating Border Policies & Practices	Strengthening Vector Control Measures in Papua New Guinea	Capacity Strengthening for Health Security in the Middle East and Africa	Strengthening Animal Health Surveillance	The emergence of the COVID-19 infodemic: how information flows in the 21st century impacts behaviour
Examining military contributions to the 2013-2016 West Africa Ebola Epidemic in Sierra Leone	Mentor Development: The key to quality enhancement in Vietnam's Field Epidemiology Training Program	Continuous Quality Improvement as a tool of enhancing routine public health service delivery at Points of Entry	Developing evidence-based policy options to strengthen vector-borne disease surveillance and response in Papua New Guinea	Sustaining IHR in Iraq: Enhancing Multisectoral Coordination across Two Governments	Recommendations for the Epidemiological Investigation of SARS-CoV-2 in Exposed Farmed and Companion Animals	Responding to Infodemics During Public Health Emergencies
Samuel Boland	Diep Vu	Olamide Pitan-Atolagbe	Zebdee Kerry	Karim Muftin Al Zadawi	Sophie Von Dobschuetz	Tina Purnat
Responding to multiple outbreaks amid Ebola and the COVID-19 pandemic in Guinea	Improving Global Public Health Workforce Capacity: Piloting an Evaluation to Better Understand the Quality and Impact of the Field Epidemiology Training Program (FETP)	Bordering and human rights during the COVID-19 pandemic: A critical examination of public health arguments for border controls	Community and health systems acceptability of new vector control tools in Papua New Guinea	Advancing Laboratory Biosafety and Implementing Validated Waste Management Systems in Libya's Public Laboratories in the Midst of a Pandemic	United Against Rabies Forum: the One Health concept in action	Information voids and echo chambers, a fertile ground for mis- and disinformation
Bronwyn Nicol	Lauren Courtney	Simon Rushton	Kilon Manuv	Erin Sorrell, Omar Elahmer	Rachel Tidman	Syed Nazakat
A Mixed Methods Assessment of Health and Mental Health Characteristics and Barriers to Health Care for Ebola Survivors in Beni, Butembo and Katwa Health Zones of the Democratic Republic of Congo	Future proofing applied epidemiology workforce training for emergency response, 2019-2020	Strategic Contribution of Health Services in the Indonesia-Timor Leste Land Border to the National Resilience	Late Withdrawal	Assessing the management of healthcare waste for disease prevention and environment protection at selected hospitals in Kinshasa, Democratic Republic of Congo	A business approach to minimize public health risks along the livestock value chain	How do our information diets affect our behaviors?
Lynn Lawry	Amy Parry	Raden Roro Mega Utami	TBA	Gabriel Kyomba	Ugo Pica-Ciamarra	Adam Dunn
Ngozi Erondu	Amanda McClelland	David Powell	Meru Sheel	Sherrie Stanley	Rodel Jonathan Vitor	Gemma Bowsher

Nicoll 3 Theatre
Building Future Resilience for Pandemics & Climate Change
The Hon. Mr Malcolm Turnbull, 29th Prime Minister of Australia
The Hon. Professor José Manuel Barroso, Chair of Gavi, The Vaccine Alliance
Professor Michelle Williams, Dean, Harvard TH Chan School of Public Health
Moderated by: Dr Patricia Geli, Executive Director, Reform for Resilience Commission, Harvard TH Chan School of Public Health

Nicoll 3 Theatre
Genomic Governance: Risks, Challenges & Next Steps
Dr Chikwe Ihekweazu, Assistant Director-General for Health Emergency Intelligence, World Health Organization
Dr Andrea Thomas, Manager of Analytics, BlueDot Global
Dr Sebastian Maurer-Stroh, Executive Director, Bioinformatics Institute
Moderated by: Dr Judith Wong, Director of Microbiology and Molecular Epidemiology Division, Environmental Health Institute

	Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
Session 16 1630-1720	The United Nations Security Council and Health Emergencies	Strategies and Coordinated Efforts to Manage Infodemics	Critically Evaluating Preparedness & Response Frameworks	Strengthening African One Health Capacity II	Tackling AMR with One Health Strategies	National IHR Focal Points	Using Genomic Sequencing & Epidemic Intelligence to Enhance Global Health Security
	A humanitarian perspective: Keeping people and their health, not national security, at the centre	Government Capabilities in Infodemic Management	Analyzing self-evaluation capacity scores related to infectious disease control in International Health Regulations during the first year of the COVID-19 pandemic	One health workforce development on Antimicrobial Resistance in Cameroon	Opportunities for integrating Ethiopian AMR surveillance systems under One Health platform	National IHR Focal Point Competency Framework	A health intelligence framework for pandemic response: using intelligence techniques to inform outbreak preparedness and impact
Title Speaker	Maria Guevara	Elena Savoia	Fauzi Budi Satria	Arouna Njayou Ngapagna	Kuastros Mekonnen Belaynehe	Yolanda Bayugo	Rose Bernard
	Can we rely on the United Nations Security Council during health emergencies?	The infodemic as a part of the COVID-19 syndemic	Moving beyond PREVENT-DETECT-RESPOND- the development of a more robust GHS Conceptual Framework	Does Physician Leadership Training make a difference in public health practice during health emergencies in low-income settings?	Developing the international Antimicrobial Resistance Monitoring IT data platform for food and agriculture sectors	A collaborative model to help strengthen National IHR Focal Points – Canada's experience	Implementing SARS-CoV-2 Genomic Surveillance in the United States: Strengths and Challenges to Address COVID-19 and Future Pandemics
Title Speaker	Simon Rushton	Rachael Piltch-Loeb	Susan Michaels-Strasser	Neely Kaydos-Daniels	Alejandro Dorado Garcia	Dawn Mapatano	Anastasia Lambrou
	Unpacking the Framing of Health in the United Nations Security Council	Monitoring infodemics for designing effective interventions	Do IHR and SPAR scores predict COVID-19 pandemic response outcomes on a country level?	Building regional laboratory capacity for Antimicrobial Resistance (AMR) surveillance in Guinea	Health Policy and Systems Research on Antimicrobial Resistance: a One Health platform for evidence-informed policies in Thailand	The role of National Focal Points in driving domestic implementation and compliance of the IHR (2005)	Late Withdrawal
Title Speaker	Maïke Voss	Fabiana Zollo	Mika Salminen	Ebi Bile	Angkana Lekakul	Ana Ayala	Late Withdrawal
Moderator	Pedro A. Villarreal	Tim Nguyen	Stephanie Petzing	Jennifer Lasley	Maurizio Labbate	Oyeladun Okunromade	Adejare (Jay) Atanda
1730-1800	<p align="center">Room 330 GHSN Networking Drinks Organised by Global Health Security Network</p>						
1800-2100	<p align="center">Room 331 Launch: Landscape of Emerging Infectious Disease R&D report Organised by Policy Cures Research</p>			<p align="center">Room 328-329 Achieving health security for all: Adapting a triple-bottom accounting framework for health investments that address local, regional and global health priorities Organised by Australian National University</p>			



FRIDAY 1 JULY 2022

GHS2022 CONFERENCE

0715-0815	<p align="center">Room 331 Strengthening Dual-Use and Intentional Event Resilience Organised by Global Affairs Canada</p>						
Session 17 0830-0930	<p align="center">Room 406 Intentional Biological Events: Has COVID-19 raised the Risks? Mr Trevor Smith, Weapons Threat Reduction Program, Global Affairs Canada Mr Tancredi Francese, Deputy Permanent Representative to the Conference on Disarmament, Government of Italy Moderated by: Dr Matthew Lim, World Health Organization</p>						
Session 18 0940-1040	<p align="center">Room 406 COVID-19's Second Order Impacts: Weighing the Costs The Hon. Dr Jane Ruth Aceng, Minister for Health, Republic of Uganda Dr Sarah Steele, University of Cambridge Mr Basil Rodrigues, Senior Regional Health Adviser for East Asia & Pacific, UNICEF Moderated by: Amanda McClelland, Senior Vice President, RESOLVE</p>						
BREAK 1040-1110	<p align="center">Coffee Break</p>						
Session 19 1110-1200	Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
	Genomic Sequencing & Surveillance	Exemplars in Global Health: Maintaining Essential Health Services during the COVID-19 Response	Health System Strengthening & Pandemic Preparedness/Response	Building FETP Workforces in East Asia	Tailoring Public Health Interventions to Outbreaks	Transparency and governance for a healthier information ecosystem	Building One Health Capabilities: Challenges
	Genomic surveillance for outbreak response during the first year of the COVID-19 pandemic: A systematic review	Findings from Africa	Driving Collective Action to Pandemic Proof the World: Lessons from the Pandemic Action Network	Real-time Data Reporting and Analysis of COVID-19 Outbreaks: An FETP Field Deployment Experience, Binh Thuan Province, Vietnam, June 2021	Social support, food insecurity, and HIV stigma among men living with HIV in rural southwestern Uganda	Shared UN considerations for online platforms on the issues of countering misinformation and disinformation and enhancing transparency	Shortcomings in Australia's pandemic planning for animal health and veterinarians
Title Speaker	Lindsay Morton	Alice Namale	Carolyn Reynolds	Hoa Nguyen	Innocent Arinaitwe	Aino Huxley	Sandra Steele
	Mapping global next-generation sequencing capacity for SARS-CoV-2 genomic surveillance	Findings from Asia	Addressing health inequities through health system strengthening to advance pandemic preparedness	Field Epidemiology Capacity of the National Veterinary Services of Lao PDR	Institutionalizing cost-effective border health security capacity building for a highly dispersed workforce	Cybersecurity and information availability in the health sector	Anthrax outbreaks in two regions of Armenia, applying a One Health approach
Title Speaker	Swapna Uplekar	Andy Pearson	Patricia Richter	Dethaloun Meusene	Titilope Ajayi-Ogbe	Kamilla Amdouni	Lusine Paronyan
	Global governance of human heritable genome editing and global health security	Findings from Latin America	Adapting delivery of technical assistance for global health security during a pandemic	Integrating One Health with national policies to improve health security post-COVID-19 in Vietnam	Multi-Sectoral Response to Cholera Outbreak in Nigeria, 2021	Strategic communication for public sector organizations during the infodemic	Implementing One Health-relevant policies - A FAO Guidebook for livestock decision-makers
Title Speaker	Tsung-Ling Lee	Ravindra Rannan-Eliya	Cassandra Jones	Thu Trang Dao	Lukman Ismaila	Tim Nguyen	Ugo Pica-Ciamarra
Moderator	Sebastian Maurer-Stroh	Anne Liu	Mika Salminen	Steven Ooi	Alex Cook	Selina Lo	Daniel Donachie
Session 20 1210-1300	Room 331	Room 332	Room 334	Room 335	Room 336	Room 328	Room 330
	Strengthening European Response Capacities	Enhancing local epidemic intelligence leads to greater global health security	GHSa-supported antimicrobial resistance (AMR) investments	Building Field Epidemiology & Outbreak Investigations Capacity	Ensuring Sustainable Laboratory Capacity	Learning Systems for One Health Pandemic Preparedness and Response	Gender & Global Health Security: What have we learned from COVID-19?
	Civil-military collaboration in the context of health emergency preparedness: Lessons from the EPIDEMEX exercise in Portugal	One Health in Action: Expanding Epidemic Intelligence Using Event-based Surveillance	Strengthening Infection Prevention and Control (IPC) Programs for Antimicrobial Resistance (AMR) Containment, and Outbreak Preparedness and Response	Identifying Public Health Interventions to Contain Ebola Spread via River Travel in the Democratic Republic of the Congo	Surge and Sustain – COVID-19 and Lessons in Laboratory Emergency Preparedness	COVID 19 Response Strategy in Sub-Saharan African Academic Institutions: The Africa One Health University Network (AFROHUN) Approach in Cameroon	Escaping a Cycle of Debt: Exploring the gendered impact of the economic fallout in Bangladesh due to COVID-19
Title Speaker	Silvia Sousa	Adejare (Jay) Atanda	Fozo Alombah	Dana Schneider	Julie Fischer	Arouna Njayou Ngapagna	Selima Sara Kabir
	Establishing the UK Public Health Rapid Support Team: lessons learned five years on	Regional Disease Surveillance Strengthens Epidemic Intelligence During COVID-19	Improving Infection Prevention and Control (IPC) Practices: Interventions in Six Tanzanian Hospitals	Field Veterinary Epidemiology in Indonesia: Veterinary Workforce Capacity for Infectious Disease Investigation	Insights on sustainable laboratory biosafety and biosecurity to support data-driven policy change	Health Security Net: A library of over 25 years of pandemic preparedness planning documents	Gender & Covid-19 in Brazil: a critical view from the "south"
Title Speaker	Ben Gannon	Silvia Bino	Doris Lutkam	Purnama Martha Oktavia Simanjuntak	Jennifer Lasley	Rebecca Katz	Denise Nacif Pimenta
	Balance between regional autonomy and centralized leadership during the pandemic: based on a review of European health security system	Crowdsourcing Epidemic Intelligence to Improve Health Security	Addressing sex and gender inequities in infection prevention control (IPC) to reduce the global risk of antimicrobial resistance (AMR)	Quality improvement for COVID-19 case investigation and contact tracing in Liberia: use of a bottlenecks approach	Twinning Initiative: A Sustainable Approach to Networking and Sharing Best Practices to Increase Laboratory Capacity	Monitoring an unfolding pandemic response: Designing an adaptive monitoring, evaluation and learning system for Australia's COVID-19 support to the Indo-Pacific	China and the Feminisation of COVID-19 response
Title Speaker	Zheyi Fang	Nomita Divi	Lynn Lieberman Lawry	Trokon Yeabah	Sherrie Staley	Kathryn Dinh	Sara Davies, Connie Gan, et al
Moderator	Emma Ross	Adam Durn	Stephanie Petzing	David Brett-Major	Lucy Maryogo-Robinson	Helen Evans	Stella Chungong
BREAK 1300-1400	<p align="center">Lunch Break</p>						



Global Health Security 2022

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Singapore 28 June - 1 July 2022