Antibiotics are becoming ineffective in treating infectious diseases. The world is faced with the deadly silent pandemic of Antimicrobial Resistance (AMR), which is being seen as a cause of huge cumulative damage. Known to heavily impact low- and middle-income countries, AMR is a threat to global health, food safety, nutrition security, livelihood and attainment of Sustainable Development Goals. The global and national response to this crisis needs to be swifter, stronger and scaled up.

Centre for Science and Environment (CSE) is bringing together over 100 experts from across the two continents of Africa and Asia at a virtual global workshop to discuss the future agenda on containing this scourge through the One Health approach.

**HIGHLIGHTS**

**26 participating countries**

**Over 125 experts** (including about 60 AMR focal points)

**More than 60 speakers**

**Discussants from 12 African countries**

Botswana, Ethiopia, Ghana, Malawi, Mozambique, Namibia, Nigeria, South Africa, Tanzania, Uganda, Zambia and Zimbabwe

**Discussants from 14 Asian countries**

Afghanistan, Bangladesh, Bhutan, Cambodia, India, Iran, Malaysia, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand and Vietnam

**ON THE AGENDA**

- Implementation of National Action Plans
- Political commitment and funding
- National expectations from global governance
- Role of civil society and media
- AMR from food-production settings and environmental routes

**WEBINARS**

Online Platform: Zoom

**AFRICA-ASIA VIRTUAL WORKSHOP**

**CONTAINING THE ‘SILENT PANDEMIC’**

**THE FUTURE AGENDA ON ANTIMICROBIAL RESISTANCE**

March 22-24, 2021

1:30-5:30 PM Indian Standard Time (IST)

Online Platform: Zoom

Note: This workshop is by invitation only. If you are interested to join, please write to deepak.bhati@cseindia.org or divya.singh@cseindia.org

The inaugural and the concluding session of the workshop will be live-streamed.
SESSION 1

MARCH 22, 2021 | 1:30 TO 2:30 PM IST

Inaugural Session

Sunita Narain
Director General, Centre for Science and Environment, India

One Health approach to fight AMR (10 min)

INAUGURAL ADDRESS (10 MIN EACH)

Roderico H Ofrin
WHO Representative to India

WHO India: Strategy and way ahead

Renu Swarup
Secretary, Department of Biotechnology, Ministry of Science and Technology, Government of India

Challenges of One Health AMR and way ahead

Vinod Paul
Member, NITI Aayog, Government of India

On the future agenda for One Health AMR

KEYNOTE ADDRESS (5 MIN EACH)

Haileyesus Getahun
Director of Global Coordination & Partnership and Director of Tripartite Joint Secretariat on AMR, Division of Antimicrobial Resistance, WHO

Tripartite action

Sujith Chandy
Professor, Department of Pharmacology and Clinical Pharmacology, Christian Medical College, India

Civil society role

Wrap up and vote of thanks (5 min)

Amit Khurana
Director, Food Safety and Toxins Programme, Centre for Science and Environment, India

2:30-2:45 PM BREAK
Effective Implementation of National AMR Action Plans (NAPs)
On implementation of NAPs, mainstreaming AMR in national healthcare agendas, and effective adoption of the One Health approach

FORMAT: PANEL DISCUSSION

CHAIR
Anuj Sharma
Technical Officer-AMR, Lab and IPC, WHO Country Office for India

LEAD PRESENTER (10 MIN)
Marc Mendelson
Co-chairperson of the Ministerial Advisory Committee on Antimicrobial Resistance, South Africa

PANEL DISCUSSANTS (5 MIN EACH)
Tapfumanei Mashe
AMR Coordinator, Medical Laboratory Scientist, National Microbiology Reference Laboratory, Zimbabwe

Watipaso Kasambara
Antimicrobial Resistance Coordinator, Public Health Institute of Malawi, Ministry of Health, Malawi

Bashiru Boi Kikimoto
Veterinary Public Health Specialist Consultant, Head of National Food Safety/AMR Reference Lab for Animal Health, AMR Technical Lead for Animal Health Veterinary Services, Ministry of Food and Agriculture, Accra, Ghana

Otridah Kapona
Head/Technical Manager-Zambia National Public Health Reference Laboratory, AMR National Focal Point & Coordinator, Laboratory Systems & Networks, Zambia National Public Health Institute, Zambia

Rajeshwari Sinha
Programme Manager, Food Safety and Toxins Programme, Centre for Science and Environment, India

Nithima Sumpradit
National AMR Focal Point, Food and Drug Administration, Ministry of Public Health, Thailand

Tep Bengthay
Deputy Director, Department of Animal Health and Veterinary Public Health, General Directorate of Animal Health and Production, Ministry of Agriculture, Forestry and Fisheries, Cambodia

Jyoti Acharya
National Public Health Laboratory, Department of Health Services, Nepal

Wande Alimi
AMR Program Coordinator, Africa Centres for Disease Control and Prevention

Sujith Chandy
Professor, Department of Pharmacology and Clinical Pharmacology, Christian Medical College, India

Chadia Wannous
Regional One Health Officer, OIE Regional Representation for Africa

Open discussion and wrap up (15 min)
Political Commitment and Funding to Contain AMR
On measures required for enhancing political commitment to contain AMR, and steps needed to increase funding/budgets at the national/regional/global levels

FORMAT: PANEL DISCUSSION

MARCH 22, 2021 | 4:30 TO 5:30 PM IST

Political Commitment and Funding to Contain AMR
On measures required for enhancing political commitment to contain AMR, and steps needed to increase funding/budgets at the national/regional/global levels

FORMAT: PANEL DISCUSSION

CHAIR
Anthony D So
Professor of the Practice, Director, IDEA Initiative and ReACT Strategic Policy Program, Department of International Health, Johns Hopkins Bloomberg School of Public Health, USA

PANEL DISCUSSANTS (5 MIN EACH)

Mirfin Mpundu
Director, ReAct Africa and ICARS Partnership & Stakeholder Engagement Lead for Africa, Zambia

Markus Moll
Research Advisor and AMR Focal Point, Swedish International Development Cooperation Agency

Sundeep Sarin
Scientist G, Department of Biotechnology, Government of India, India

Percy Chimwamurombe
Professor of Biology, Namibia University of Science and Technology, Namibia

Suriya Wongkongkathep
Senior Advisor on AMR for the FDA, Senior Expert Committee Member in National Committee on AMR Policy, Ministry of Public Health, Thailand

Suraya Amir Husin
Senior Principal Assistant Director and Head, Infection Control Unit, Medical Development Division, Ministry of Health, Malaysia

Aninda Rahman
Deputy Program Manager-Antimicrobial Resistance, Viral Hepatitis, Diarrhoeal Diseases Control, Communicable Disease Control, Directorate General of Health Services, Bangladesh

Open discussion and wrap up (20 min)
Tackling Environmental AMR
On environmental AMR in NAPs, country-level preparedness and the resources required, waste management, hotspots and AMR, and the gaps in national/global technical guidances/standards

FORMAT: PANEL DISCUSSION

CHAIR
Timothy Jinks
Head of Drug Resistant Infections Priority Program, Wellcome Trust

LEAD PRESENTER (8 MIN)
Rajeshwari Sinha
Programme Manager, Food Safety and Toxins Programme, Centre for Science and Environment, India

PANEL DISCUSSANTS (4 MIN EACH)
Sylvia Yomisi
Head, Environmental Management Agency Laboratory, AMR Focal Point for Environment, Zimbabwe

Jewel Kudjawu
Acting Director, Natural Resource Department, National AMR Focal Point, Environmental Protection Agency, Ghana

Noor Haza Fazlin Hashim
Research Officer, National Water Research Institute Malaysia, Ministry of Environment and Water, Malaysia

Jackie Miamin
Chief Executive Officer, Independent Community Pharmacy Association, South Africa

Will Gaze
Professor of Microbiology, European Centre for Environment and Human Health, University of Exeter Medical School, UK

Jacqueline Alvarez
Head, Knowledge and Risk Unit, Chemicals and Health Branch, Economy Division, United Nations Environment Programme

Kate Medlicott
Team Leader - Sanitation and Wastewater, Water, Sanitation, Hygiene and Health Unit, WHO

Shaikh Z Ahammad
Associate Professor, Department of Biochemical Engineering and Biotechnology, IIT Delhi, India

Nicolai Schaaf
Programme Manager, Stockholm International Water Institute, Sweden

Suman Sharma
Director, Sustainable Antibiotics and Brand Communications, Centrient Pharmaceuticals, India

Open discussion and wrap up (5 min)

SESSION 4
MARCH 23, 2021 | 1:30 TO 2:30 PM IST
AMR from Food-production Settings (Livestock, Aquaculture, Crops) – Part I

On the reality of growth promoter use/phase-out in countries, the need to preserve critically important antimicrobials (CIAs), and the need for food-systems transformation and preventative approach as a solution

FORMAT: PANEL DISCUSSION

CHAIR
Sunita Narain
Director General, Centre for Science and Environment, India

LEAD PRESENTER (10 MIN)
Cóilín Nunan
Scientific Adviser, Alliance to Save Our Antibiotics, UK

PANEL DISCUSSANTS (4 MIN EACH)
Varsha Joshi
Chairperson, National Dairy Development Board, India

Moritz van Vuuren
Co-chairperson of the Ministerial Advisory Committee on Antimicrobial Resistance, South Africa

Mwapu Ndahi
National AMR Focal Point, Department of Veterinary and Pest Control Services, Federal Ministry of Agriculture and Rural Development, Nigeria

Alicia A Layson
Head, Registration, Licensing and Certification Section, Animal Feeds, Veterinary Drugs and Biologics Control Division, Bureau of Animal Industry, Philippines

Muhammad Abubakar
National AMR focal point, Ministry of National Food Security and Research, Pakistan

Rohaya binti Mohd Ali
National AMR Focal Point, Ministry of Agriculture and Food Industries, Malaysia

Deepak Bhati
Programme Officer, Food Safety and Toxins Programme, Centre for Science and Environment, India

Sagari Ramdas
Food Sovereignty Alliance, India

Gyanendra Gongal
WHO Regional Adviser for Food Safety, WHO Regional Office for South-East Asia

Mark Obonyo
AMR Regional Coordinator and Technical Consultant for Zimbabwe, FAO Sub-regional Office for Southern Africa

Kinzang Dukpa
Regional Project Coordinator, OIE Regional Representation for Asia and the Pacific

Philip Taylor
Center for Agriculture and Bioscience International, UK

Open discussion and wrap up (20 min)
AMR from Food-production Settings (Livestock, Aquaculture, Crops) – Part II
On the need to address the disease preventative use of antibiotics in food-animals to effectively contain AMR, reflections on initiatives, ground realities and feasibility, the need to push the global agenda to address disease preventative use, which is missing

FORMAT: PANEL DISCUSSION

CHAIR
Varsha Joshi
Chairperson, National Dairy Development Board, India

LEAD PRESENTER (8 MIN)
Amit Khurana
Programme Director, Food Safety and Toxins Programme, Centre for Science and Environment, India

PANEL DISCUSSANTS (4 MIN EACH)
Steven Roach
Food Safety Program Director, Food Animal Concerns Trust, USA
Karl Pedersen
Head of Section, Department of Animal Health and Antimicrobial Strategies, National Veterinary Institute, Sweden
Nitya Ghotge
Director, Anthra, India
Cóilín Nunan
Scientific Adviser, Alliance to Save Our Antibiotics, UK
Habibar Rahman
Regional Representative, South Asia, International Livestock Research Institute
Alexandra Vokaty
Team Lead, Communicable Diseases, WHO Country Office for India
Ólafur Valsson
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Emmanuel Kabali
AMR project coordination and technical support specialist, FAO
Amit Balyan
Associate Professor, Sardar Vallabh Bhai Patel University of Agriculture and Technology, Uttar Pradesh, India
Canaan Tinashe Hodobo
Molecular Biology, TBD Vaccine Research & Production, Coordinator of AMR surveillance, AMR focal point for Animal health, Central Veterinary Laboratory, Zimbabwe

Open discussion and wrap up (5 min)
Role of Civil Society, Consumers and Media in Containing AMR

On representation and role of civil society and consumer groups in global governance and national governance/implementation, role of media in increasing awareness and pressure to push for change, and country-level reflections

FORMAT: PANEL DISCUSSION

CHAIR
Rajeev Sadanandan
Chief Executive Officer, Health Systems Transformation Platform; Former Additional Chief Secretary (Health), Kerala

PANEL DISCUSSANTS (4 MIN EACH)
Asnakech Alemu
Director, Product Safety Directorate, Ethiopian Food and Drug Authority, Ethiopia

Johanna B Mallari
Pharmacist IV, Pharmaceutical Division, Health Regulation Team, Department of Health, Philippines

Dooshima Kwange
CEO, Tesedona Foundation for Animal Health, Nigeria

Tapiwanashe Kujinga
Director of the Pan-African Treatment Access Movement & Chair, Technical Working Group on Education and Awareness, AMR Core Group, Zimbabwe

Onche Odeh
Senior Science Journalist, Nigeria

Souparno Banerjee
Senior Director, Outreach and Publications, Centre for Science and Environment, India

Viviana Muñoz-Tellez
Coordinator, Development, Innovation and Intellectual Property Programme, South Centre, Switzerland

Nafis Faizi
Assistant Professor, Department of Community Medicine, Aligarh Muslim University, India

Jyoti Joshi
Head-South Asia, Center for Disease Dynamics, Economics and Policy and Adjunct Professor, Amity Institute of Public Health, Amity University, Noida, India

Niyada Kiatying-Angsulee
Drug System Monitoring & Development Program, Chulalongkorn University, Thailand

Ashok J Tamhankar
National Coordinator, Indian Initiative for Management of Antimicrobial Resistance, India

Open discussion and wrap up (10 min)
Country-level Expectations from Global Governance

On the ways countries could be benefitted through agencies/groups such as the Global Leaders Group on AMR, the Tripartite, United Nations Environment Programme, proposed Independent Panel on Evidence for Action Against AMR, and other governance/technical/financial agencies

FORMAT: PANEL DISCUSSION

CHAIR
Carlos María Correa
Executive Director, South Centre, Switzerland

PANEL DISCUSSANTS (6 MIN EACH)

P V Makaya
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Niniola Williams
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Divya Singh
Programme Officer, Food Safety and Toxins Programme, Centre for Science and Environment, India

Open discussion and wrap up (20 min)

SESSION 7
MARCH 24, 2021 | 2:45 TO 4:15 PM IST

4:15-4:30 PM BREAK
**SESSION 8**

**MARCH 24, 2021 | 4:30 TO 5:30 PM IST**

**Concluding Session**

**CHAIR**

Sunita Narain  
Director General, Centre for Science and Environment, India

**KEY TAKEAWAYS FROM WORKSHOP (6 MIN EACH)**

**Session 2: Effective Implementation of National AMR Action Plans**  
**Chair: Anuj Sharma**  
Technical Officer-AMR, Lab and IPC, WHO Country Office for India

**Session 3: Political Commitment and Funding to Contain AMR**  
**Chair: Anthony D So**  
Professor of the Practice Director, IDEA Initiative and ReACT Strategic Policy Program, Department of International Health, Johns Hopkins Bloomberg School of Public Health, USA

**Session 4: Tackling Environmental AMR**  
**Chair: Timothy Jinks**  
Head of Drug Resistant Infections Priority Program, Wellcome Trust

**Session 5A: AMR from Food-production Settings (Livestock, Aquaculture, Crops) – Part I**  
**Chair: Sunita Narain**  
Director General, Centre for Science and Environment, India

**Session 5B: AMR from Food-production Settings (Livestock, Aquaculture, Crops) – Part II**  
**Chair: Varsha Joshi**  
Chairperson, National Dairy Development Board, India

**Session 6: Role of Civil Society, Consumers and Media in Containing AMR**  
**Chair: Rajeev Sadanandan**  
Chief Executive Officer, Health Systems Transformation Platform; Former Additional Chief Secretary (Health), Kerala (To be presented on his behalf)

**Session 7: Country-level Expectations from Global Governance**  
**Chair: Carlos María Correa**  
Executive Director, South Centre, Switzerland (To be presented on his behalf)

**KEY TAKEAWAYS FROM THE PERSPECTIVE OF TRIPARTITE (6 MIN)**

Haileyesus Getahun  
Director of Global Coordination and Partnership and Director of Tripartite Joint Secretariat on AMR, Division of Antimicrobial Resistance, WHO

**CONCLUDING REMARKS**

Sunita Narain  
Director General, Centre for Science and Environment, India
DISCUSSANTS

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University for Development Studies, Department of Biotechnology, Ghana

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