

EMPHNET's One Health Interventions

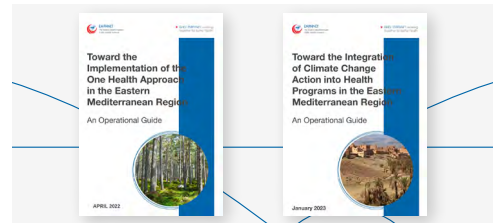
Since its inception in 2009, EMPHNET has collaborated with multiple global, regional, and national partners to implement a wide range of public health interventions linked to the **One Health Approach**. These interventions covered several focus areas including:

Guiding Documents on One Health

EMPHNET developed guiding documents to support the integration of One Health principles into health programs:



- [“Toward the Implementation of the One Health Approach in the Eastern Mediterranean Region. An Operational Guide”](#)
- [“Toward the Integration of Climate Change Action into Health Programs in the Eastern Mediterranean Region. An Operational Guide”](#)



Capacity Building

EMPHNET has contributed to strengthening regional capacities by:



- Developing a nine-month and three-month regional curricula for One Health training.
- Creating a biorisk management curriculum for various countries in the region.
- Integrating One Health into Field Epidemiology Training Programs (FETP).
- Training FETP-One Health mentors.
- Training Rapid Response Teams (RRTs) to detect and control disease outbreaks.
- Establishing a One Health Community of Practice at the national level in Bangladesh.

Management of Zoonotic Diseases

EMPHNET supports the surveillance and control of zoonotic diseases by:



- Enhancing diagnosis and surveillance capabilities for diseases like anthrax and brucellosis through training and projects.
- Working on an animal survey to identify ticks that transmit Crimean-Congo Haemorrhagic Fever (CCHF).
- Reviewing systems for priority transboundary zoonotic diseases (TZDs) mapping.
- Conducting training on Ebola Virus Disease (EVD) for Rapid Response Teams (RRTs).

Antimicrobial Resistance (AMR) Initiatives

EMPHNET addresses AMR through:



- Conducting surveillance of AMR in farms and environments.
- Being part of different partnership and coalitions, including: AMR Multi-Stakeholder Partnership Platform, AMR Communications Coalition (AMR-CC) Network, and Partnership for AMR Surveillance Excellence (PARSE).

Surveillance and Epidemic Intelligence

EMPHNET enhances national and regional epidemic preparedness by:



- Supporting animal health intelligence systems in Bangladesh.
- Strengthening Event-based Surveillance systems.
- Building multisectoral and cross-border networks for the surveillance, detection, and response of potentially weaponizable pathogens.

Laboratories Biosafety and Biosecurity

EMPHNET advances biosafety and biosecurity of human and animal laboratories by:



- Providing six Central Public Health Laboratories with tools for zoonotic disease detection.
- Conducting training on biological toxins handling, biosafety, and biosecurity practices for public health, veterinary, and animal health lab professionals.
- Supporting multi-country threat reduction of weaponizable pathogens.
- Strengthening laboratory biorisk management practices for public health and veterinary laboratories.
- Assessing biosafety and biosecurity capacities of public health and animal health laboratories.
- Promoting the security of biological samples and sustainable sample management in West Africa.

Food Safety Risks Management

EMPHNET supports efforts on food safety through:



- Developing a case study on the [Knowledge, Attitude, and Practices of Food Handlers on Food Safety and Personal Hygiene During Arbaeenia Mass Gathering in Baghdad, Iraq](#).
- Conducting training on the rapid assessment and investigation of outbreaks of suspicious origins.

Environmental Health and Climate Change

EMPHNET contributes to environmental health by working on:

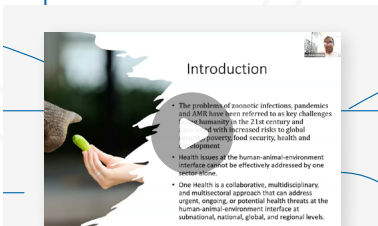


- Establishing environmental surveillance systems and procedures for pathogens like *Burkholderia pseudomallei* in Bangladesh.
- Being a member of the Environmental Health Working Group (EHWG) of the World Federation of Public Health Associations (WFPHA).
- Developing a paper on the [Effect of Air Pollution on Cardiovascular Diseases in the Eastern Mediterranean Region](#).

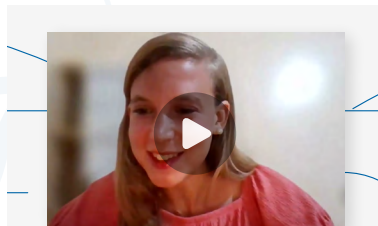
Knowledge Exchange and Networking



EMPHNET hosted three webinars as part of One Health Webinar Series, providing a platform for public health professionals to engage in critical discussions on relevant issues, including:



Sustaining Meaningful Multisectoral Collaboration for One Health: Conditions for Success



Championing Global Environmental Public Health: Safeguarding Wellness for All, Every Day



One Health in Action: Navigating Challenges and Opportunities in the Eastern Mediterranean