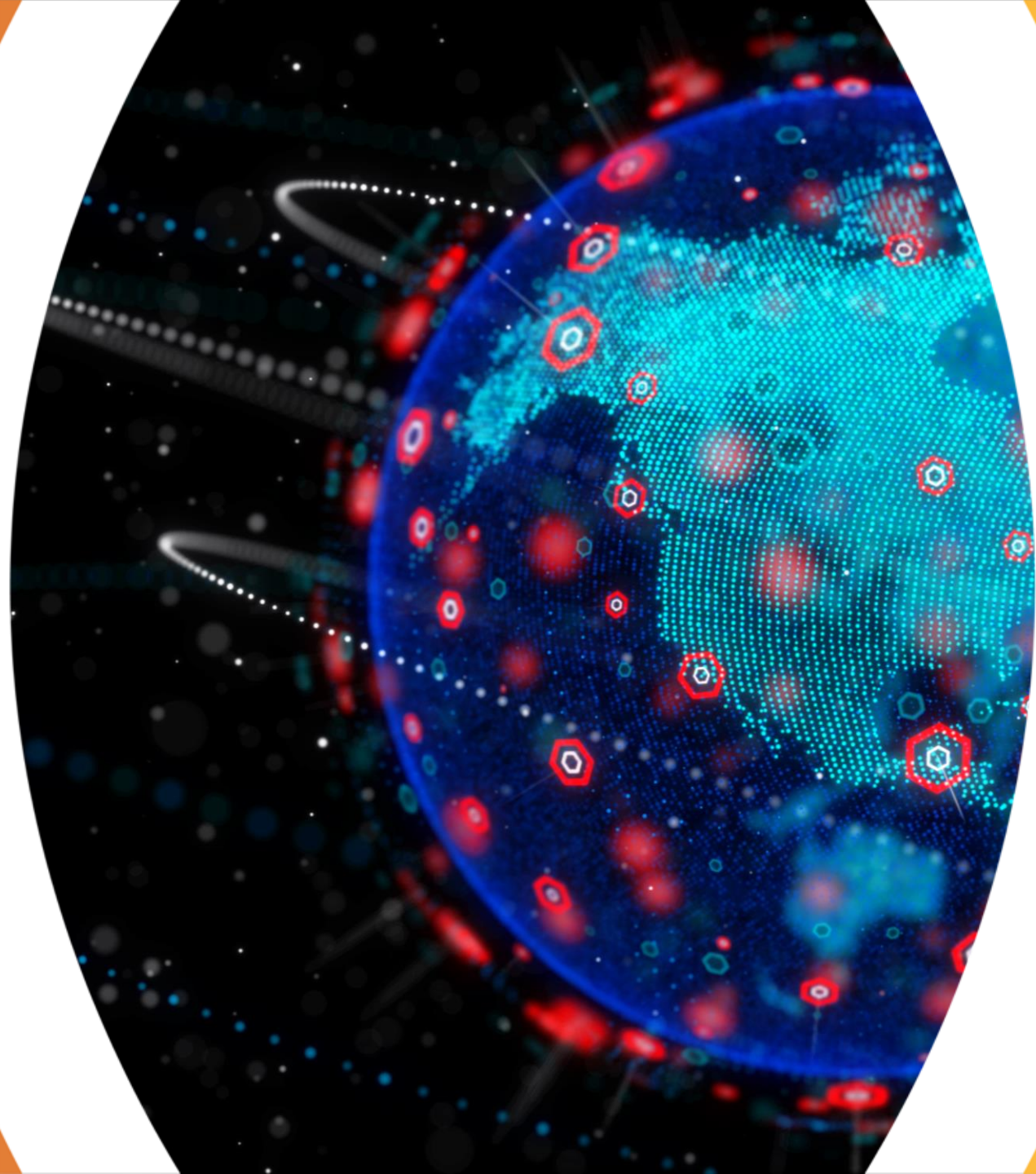




Collaboration for Good
EIOS – GTM
Dec 11 2024.

Nomita Divi, MSPH
Executive Director

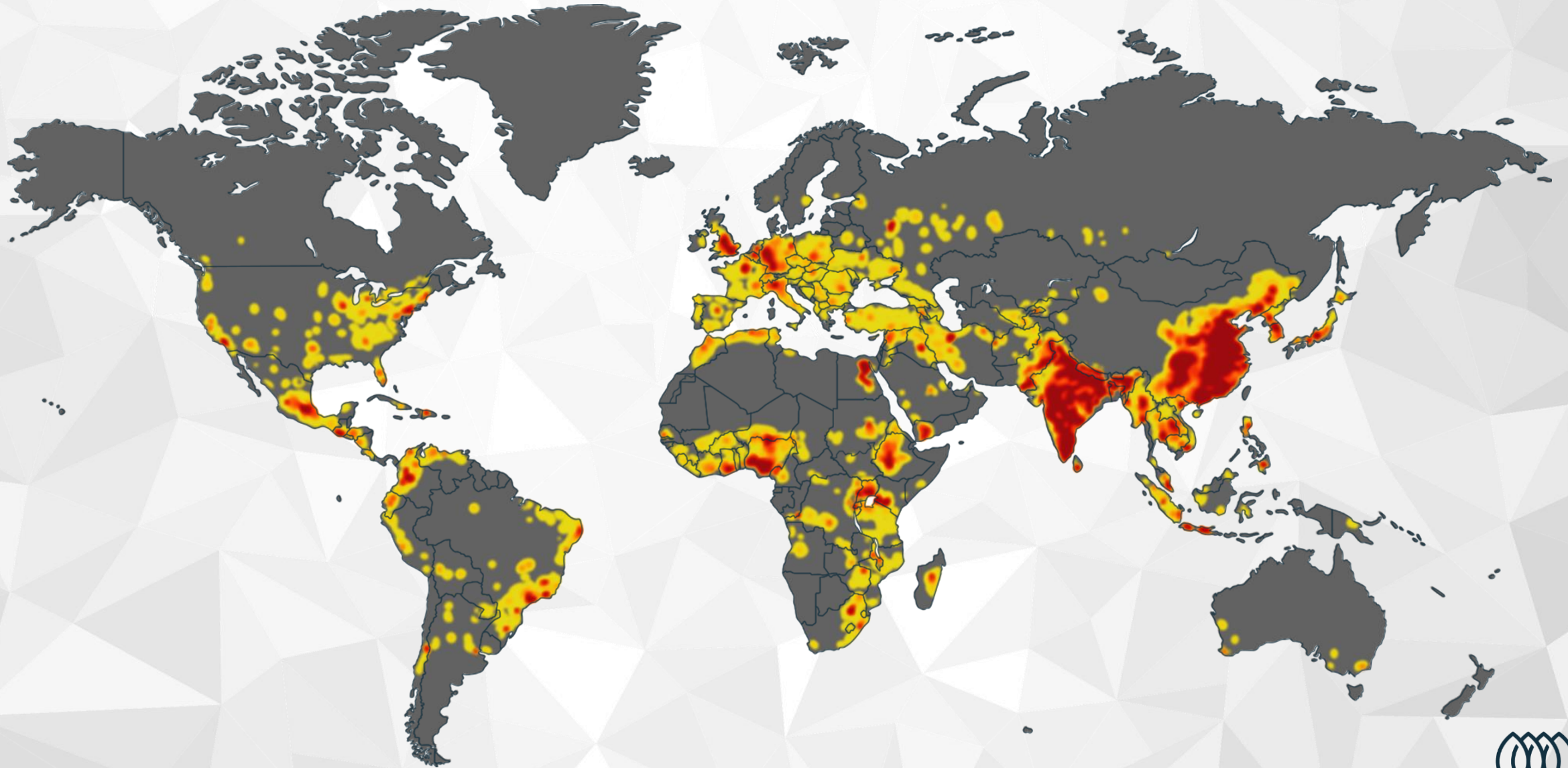


Ending Pandemics

In Our Lifetime Initiative



Planetary Hotspots for Pandemic Threats



<https://youtu.be/8ChFrech-Qw?si=CL4uFCKA11vWik-m>



System

- Flu Near You, Kidenga
- Guardians of Health
- Influenzanet
- CHW Pilots
- AfyaData
- MoBuzz
- PODD, DoctorMe
- 115 Hotline
- FluTracking





skull global
threats fund

InSTEDD

ChangeFusion

opendream

fb.me/epihack



```
#include <RoyalUniversityOfPhnomPen.h>  
Epihack.setDate("August 6-8, 2013");
```

<epihack />

```
Epihack.comeHackWithUs(Now);
```

a hack-a-thon to develop digital tools for disease surveillance



តើអ្នកដឹងទេថា ជំងឺឆ្លងរាតត្បាតមិនត្រឹមតែបង្កគ្រោះថ្នាក់ដល់ជីវិតមនុស្ស និងសត្វប៉ុណ្ណោះទេ វាថែមទាំងបង្កការខាតបង់លុយកាក់ និងពេលវេលាទៀតផង។

ដើម្បីជួយទប់ស្កាត់ការឆ្លងរាលដាលនៃជំងឺឆ្លងរាតត្បាត គ្រប់ប្រភេទ សូមអ្នកជួយរាយការណ៍ពីករណី ដែលអ្នកជួបប្រទះទៅកាន់លេខ 115

បន្ទាប់ពីការរាយការណ៍របស់អ្នក មន្ត្រីជំនាញនៃក្រសួងសុខាភិបាល និងចាត់វិធានការឲ្យបានទាន់ពេលវេលា ដើម្បីទប់ស្កាត់ជំងឺឆ្លងរាតត្បាត និងការពារសុខភាពប្រជាជន។

រាយការណ៍ជាបន្ទាន់
ទៅកាន់ទូរស័ព្ទលេខ៖

115





Engaging the population to detect and respond to health crises

Partner
Participatory
Surveillance
Systems

afyadata



SALUD BORICUA flu near you
Outbreaks Near Me



រាយការណ៍ជាបន្ទាន់
ទៅកាន់មូលដ្ឋាន
ព័ត៌មាន 115

KIDEngo



JMIR Publications | 25 years
Advancing Digital Health & Open Science

Journal of Medical Internet Research



Participatory Disease Surveillance: Engaging Communities Directly in Reporting, Monitoring, and Responding to Health Threats

Mark S Smolinski¹; Adam W Crawley¹; Jennifer M Olsen¹; Tanvi Jayaraman¹; Mario Libel¹

JMIR Publications | 25 years
Advancing Digital Health & Open Science

Journal of Medical Internet Research



The Landscape of Participatory Surveillance Systems Across the One Health Spectrum: Systematic Review

Carrie McNeil¹; Sarah Verlander¹; Nomita Divi¹; Mark Smolinski¹





Engaging the population to detect and respond to health crises

Awards for participatory surveillance programs

TRINITY CHALLENGE

The inaugural Trinity Challenge Winners

Eleven finalists have been selected out of 340 total applications, representing a diverse mix of geographies, organizations, and approaches. These teams bring the power of data and analytics to identify, respond to, or recover from disease outbreaks in innovative ways. From these finalists, the Trinity Challenge Judges have awarded 8 winners.

Grand Prize Winner
£1.3m

ETC Finalist 2021: PODO
PODD: Participatory One Health Disease Detection

Watch on YouTube

PODD: Participatory One Health Disease Detection

Team Lead: Pongpat Subumporn, OpenDream

Status: Growth

Current Operating Region: Thailand

Story:

Most new infectious diseases, like COVID-19 and Ebola, are the result of spillover from human contact with animals. What if we knew which new diseases might be circulating among animals? Armed with a mobile app, PODO has empowered over 15,000 farmers across Thailand to be disease detectives and to document reports of sick animals. Expanding this network would make it the backbone for future warning systems for emerging diseases among humans and livestock to enable rapid action to prevent the next pandemic.



BILL GATES'S HEROES IN THE FIELD
AFYADATA

afyadata

EXEMPLARS IN GLOBAL HEALTH

THAILAND PODO

TANZANIA

CAMBODIA

afyadata

115





One Health Participatory Surveillance Systems



The bidirectional process of
receiving and transmitting data for action
through direct engagement



[Submit System](#)

Systems: 59 Updated: 05/20/2022

 Human  Animal  Environmental

 FILTER

SEARCH



SYSTEM DATA

One Health Community-based Wildlife Mortality Surveillance for Ebola

Collects reports of wildlife carcasses from rural communities to gain insight on wildlife epidemics that act as an early warning system for human health as well as wildlife conservation threats.

ESTABLISHED 2005

 Human, Animal


 LOCATION Northern Congo

 USERS 5,000 - 15,000

 TYPE OF USER Wildlife Conservation Society Health Staff

 FREQUENCY Determined by user

 FOCUS Ebola, Anthrax

 INFO TO USERS Prevention guidance, Training or educational materials

USER REPORTING

 SMS  Paper

ORGANIZATION



One Health Community-based Wildlife Mortality Surveillance for Ebola

 Human, Animal

Est. 2005

Collects reports of wildlife carcasses from rural communities to gain insight on wildlife epidemics that act as an early warning system for human health as well as wildlife conservation threats.

[Click for overview](#)

 Human  Animal  Environmental

 FILTER

PROGRAM/COUNTRY





Ending Pandemics

In Our Lifetime Initiative





EPICORE

Pioneer an Innovative Approach to Disease Surveillance

Use your skills and knowledge to speed up early detection of outbreaks and help save lives





EpiCore is a global network of health professionals committed to verifying outbreaks



TEPHINET

Training Programs in Epidemiology and
Public Health Interventions Network



ProMED

INTERNATIONAL SOCIETY
FOR INFECTIOUS DISEASES



HealthMap

Global Health, Local Knowledge

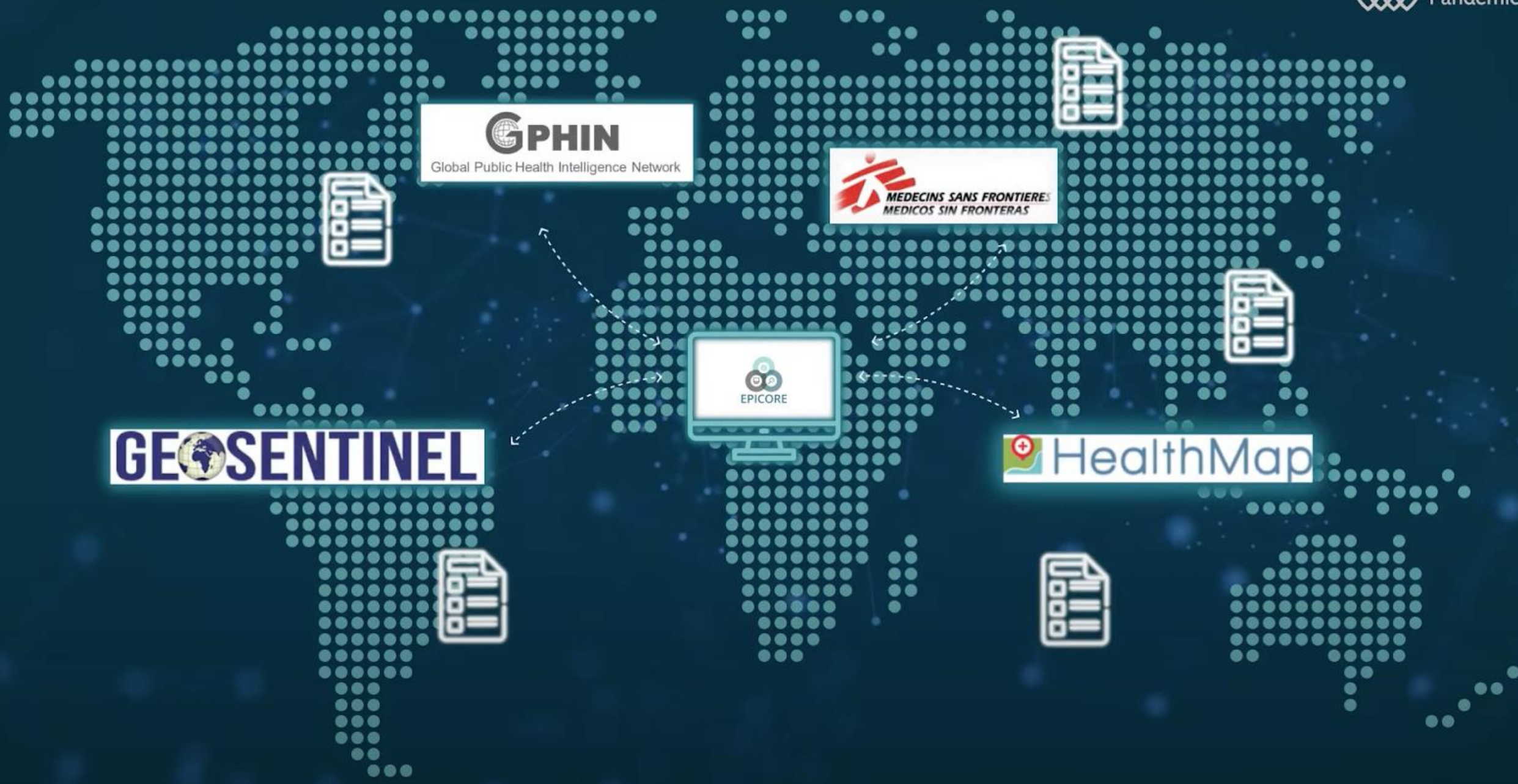
SMALL COMMITMENT **BIG IMPACT**

Be on the frontlines of
disease surveillance

Use your knowledge
and skills to find
outbreaks faster

Join a network of
health professionals
around the world





GPHIN
Global Public Health Intelligence Network

MEDECINS SANS FRONTIERES
MEDICOS SIN FRONTERAS

GEOSENTINEL

HealthMap





RESPONDERS

In Over 160 Countries



CONFIRMING OR REFUTING



Public RFI List

Time frame

Most Recent

Title ↓↑	Open Date	Closure Date ↑	Country ↓↑	Outcome
Human - Unknown - Democratic Republic of the Congo (Kwango) - Dec 3, 2024	Dec 3, 2024	Dec 9, 2024	Provincia di Kwango, Repubblica Democratica del Congo	Verified (+) Summary
Human - Cholera/health emergency - Sudan (Gezira) - Nov 18, 2024	Nov 11, 2024	Nov 20, 2024	Gezira, Sudan	Verified (+) Summary
Human - Malaria (not autochthonous case) - Italy (Verona) - Nov 8, 2024	Nov 8, 2024	Nov 8, 2024	Verona VR, Italia	Verified (-) Summary
Human - Unknown (fatal) - India (Udaipur, Rajasthan) - Oct 22, 2024	Oct 21, 2024	Oct 29, 2024	Udaipur, Rajasthan, India	Verified (+) Summary
Human - Suspected Marburg disease (NEGATIVE) - Germany (Hamburg) - Oct	Oct 2, 2024	Oct 3, 2024	Hamburg, Germany	Verified (-)



EpiCore is a global network of health professionals committed to verifying outbreaks



Average Time to Verification



EpiCore members across the globe



EpiCore is a feed to WHO EIOS



SMALL COMMITMENT BIG IMPACT

Be on the frontlines of disease surveillance

Use your knowledge and skills to find outbreaks faster

Join a network of health professionals around the world



WHO All Articles
portal.who.int/eios/#/explore/(Training/573/)

EIOS EPIDEMIC INTELLIGENCE FROM OPEN SOURCES

Training

Q
Explore

Latest Activities

Sources

Manage Communications

Select board

Current board: All Articles

Board info

Save As new board

BOARD COMMUNICATIONS



ENDING
PANDEMICS
ACADEMY



ENDING PANDEMICS ACADEMY

ENROLLEES

STUDENT/FACULTY

Undergraduate
Masters
PhD/DrPH
Post-docs/Faculty

HEALTH PROFESSIONALS

Field Epidemiologists
Nursing/Medical/Vet
Laboratorians
Environmentalists

PROGRAM STAFF

NGOs/INGOs
Foundations
Academics
Governments

EXECUTIVES

Tech Industry
Biopharm Industry
Travel/Entertainment
Other Corporations



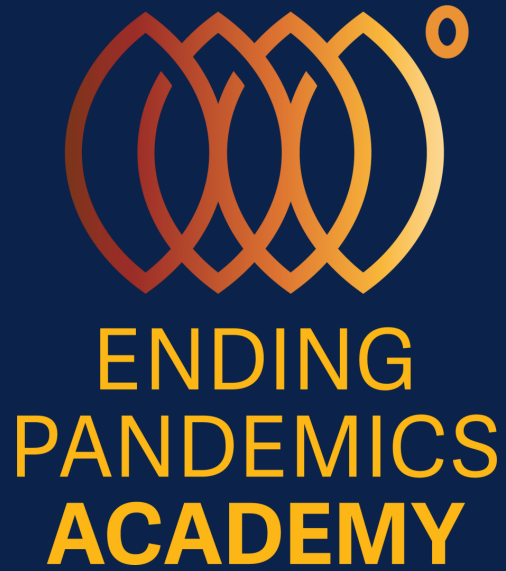
ENDING
PANDEMICS
ACADEMY



THE UNIVERSITY OF ARIZONA
MEL & ENID ZUCKERMAN COLLEGE OF PUBLIC HEALTH

Global Health Institute

LOCAL IMPACT | NATIONAL INFLUENCE | GLOBAL REACH



Revolutionizing Our Ability to
Predict and Prevent Pandemics