EPIWATCH

Prevent the Next Pandemic with Epidemic Intelligence

Harness the power of AI and open-source data to capture early epidemic signals globally and enable early detection of epidemics, leading to prevention of global spread.

Imagine.
COVID19 detected before it spread worldwide through an early signal for severe pneumonia, the epidemic stopped in its tracks in 2019 and consigned to the archives of rare, serious outbreaks.
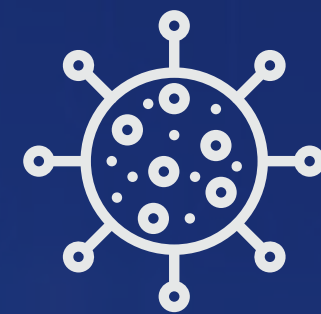
That's our aim. EPIWATCH™ is an artificial intelligence-driven open source outbreak observatory for early outbreak warning & rapid risk analysis that provides:

Early epidemic detection, globally

Rapid epidemic reports

Customisable alerts
(including alerts for non-infection events of any kind)

Rapid risk analysis tools

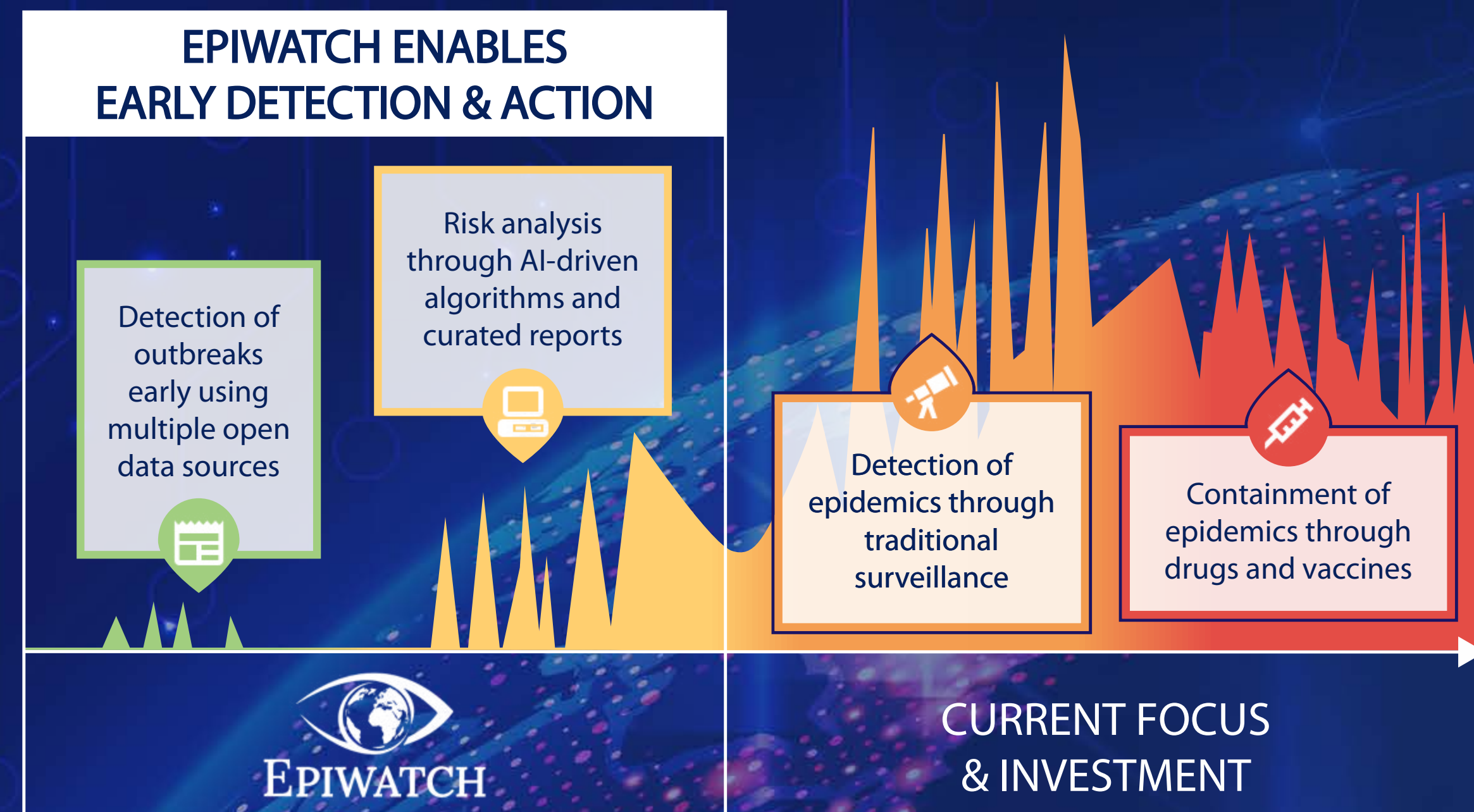**Modelling and simulation**

Real-time decision support

Our Vision

To be the centre of epidemic intelligence for global decision makers and prevent the next pandemic.

Our Mission

To harness the power of AI and open-source data to capture early epidemic signals globally and enable early detection of epidemics, leading to prevention of global spread.

To provide real-time decision support tools including risk-analysis, prediction, simulation and modelling to help government and non-government stakeholders mitigate risk.

EPIWATCH ENABLES EARLY DETECTION & ACTION

Detection of outbreaks early using multiple open data sources

Risk analysis through AI-driven algorithms and curated reports

Detection of epidemics through traditional surveillance

Containment of epidemics through drugs and vaccines

CURRENT FOCUS & INVESTMENT

EPIWATCH™ is proven to detect epidemics early and identify outbreaks not reported to global health agencies. We were able to find a signal of COVID-19 in November 2019, before it was officially reported in December 2019[1]. We detected mumps outbreaks not captured by WHO surveillance.[2]

[1]Kpozehouen et al, JMIR Public Health Surveill 2020; 6(3):e18939
[2]Puca et al. Using the Surveillance Tool EPIWATCH™ to Rapidly Detect Global Mumps Outbreaks. 2020. Global Biosecurity, 2(1), DOI: http://doi.org/10.31646/gbio.54

EPIWATCH

Artificial intelligence-driven open source outbreak observatory

The EPIWATCH™ 'Global Eye' monitors a wide variety of data generated around the world 24/7 through its AI-driven data collection including news casts, social platforms and medical reporting using over 25 global languages including the major languages of Asia. We can tap into chatter in communities and local news reports to find out about outbreaks long before health officials are notified.

No other system searches in major languages of every continent. EPIWATCH™ is proven to identify outbreak signals earlier than traditional lab or hospital-based surveillance and can provide a trigger to investigate an early outbreak signal.

Modelling & Simulation Tools

We provide a range of customised tools including:

- Trigger to investigate an early outbreak signal
- Prioritise response to outbreaks (Red, Amber, Green severity classification)
- Geographical Information Systems for global hot-spot analysis
- Forecasting and prediction of epidemic trajectory
- Choosing between alternative epidemic control strategies
- Simulations customised to your needs, including internal and external spaces
- Surge capacity predictions for hospitals and health systems

Risk Analysis & Forecasting

We provide a series of risk analysis tools including FLUCAST™, a real-time tool designed to predict severity of emerging influenza seasons, which has been validated with 10 years retrospective seasonal influenza data. EPIRISK™ is a real-time risk alert system to help you prioritise response to emerging outbreaks.

WATCHING BRIEFS™

WATCHING BRIEFS™ are prepared on request on selected outbreaks of concern. The WATCHING BRIEFS™ include rapid literature review, analysis of available data, trends in case notifications, critical analysis, comparisons with past outbreaks, unusual features and key questions.

What We Provide

We will provide flexible access to EPIWATCH™ on the web, on smartphone Apps and in a live decision theatre for government and non-government stakeholders to understand potential threats and optimal intervention methods through informed, interactive decision making.

- The power of AI at your fingertips.
- Early intelligence to stop epidemics before they spread.
- Real-time 24/7 analytics.
- Proven results.
- Rigorously researched and developed over 6 years.

EPIWATCH

Invested in our global future

LOG IN

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Sign up here
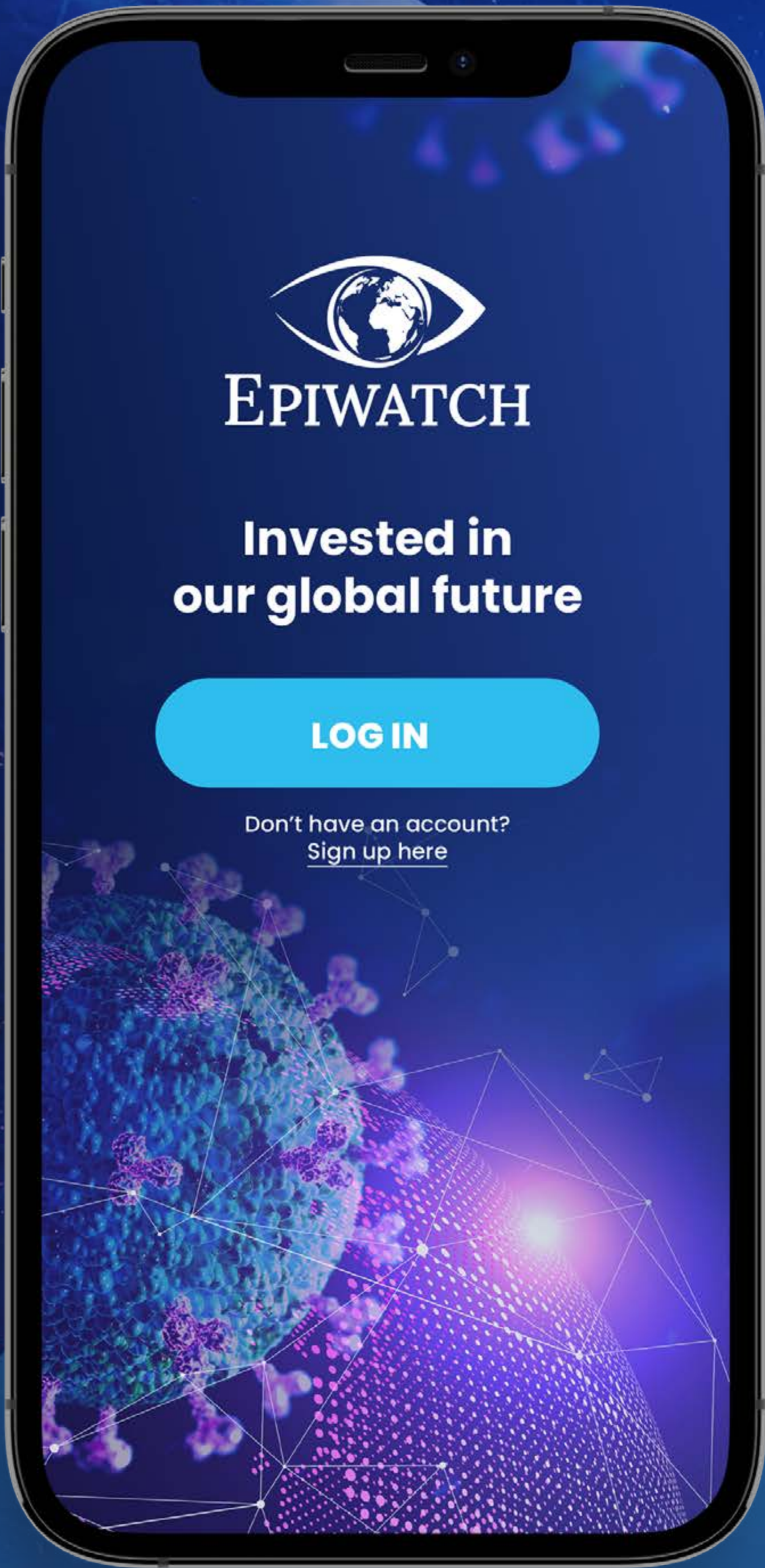
Our Services

Our team of experts will help you detect and mitigate epidemics today for a secure future tomorrow.

Early epidemic detection, globally

Rapid epidemic reports

Customisable alerts *(including alerts for non-infection events of any kind)*

Rapid risk analysis tools

Modelling and simulation

Real-time decision support

EPIWATCH

Invested in our global future

CONTACT US

UNSW SYDNEY

UNSW Kirby Institute