



National R&D Centre in ICT



COLLABORATIVE PLATFORM FOR EPIDEMIC DISEASE CONTROL AND SMART TOURISM

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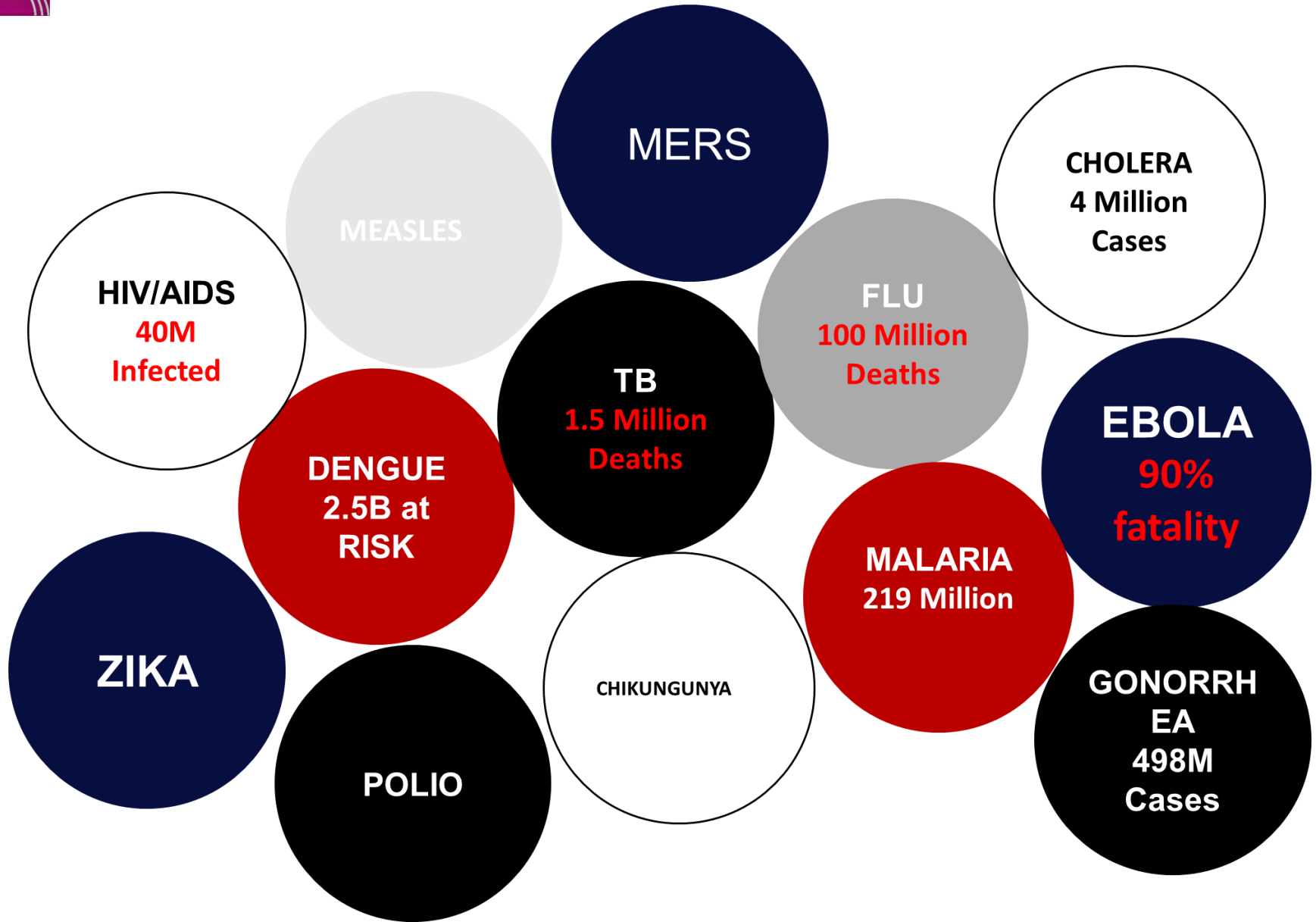
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INFECTIOUS DISEASES





DENGUE

400M cases
ANNUALLY

ZIKA

1.3M cases
SO FAR

\$Billions on Economic Impact ANNUALLY

- Southeast Asian (SEA) countries are particularly **VULNERABLE** to DENGUE/ZIKA infection.
- The **increasing availability of budget flights** in SEA nations and the region's **upcoming high-speed railway** further **boost** the mobility of SEA population and consequently the **vulnerability of the region to vector borne diseases**.

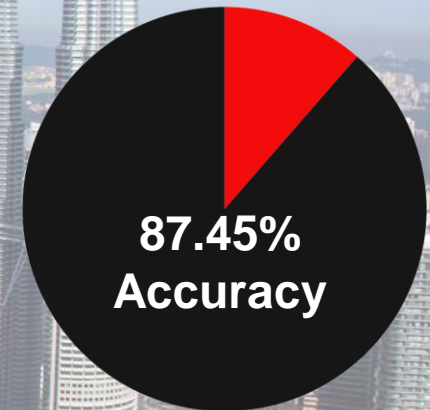
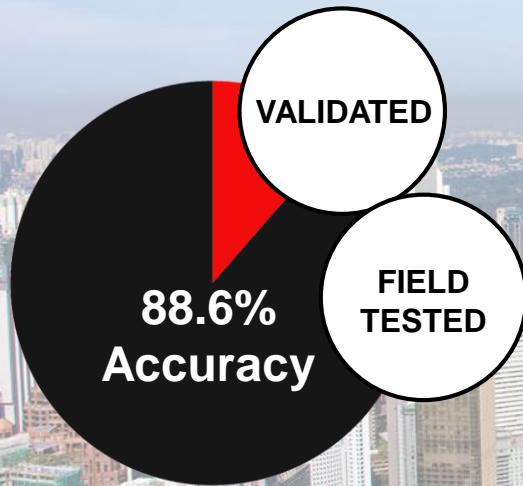
This project aims to reduce the impact of vector borne diseases on SEA nations by developing a collaborative platform to facilitate ASEAN IVO members on

- The sharing of data and research outcomes
- The R&D of algorithms and models to predict disease outbreaks
- Cooperative planning for disease mitigation before, during, and after an outbreak.

- Automatically collect and cleanse data (e.g. Weather, Geographical, Environmental, Epidemiological, etc.) in near real-time.
- Allow members to upload and share (if permitted) their datasets.
- Provide a cloud-based Artificial Intelligence toolkit (including implementation of popular algorithms) to facilitate the R&D of models for epidemic prediction.
- Provide an interactive dashboard environment to facilitate online group meeting and online group visualisation and editing of data, research work, and outcomes.

DENGUE

ZIKA



In collaboration with AIME Sdn. Bhd.

THE PROPOSED COLLABORATIVE DASHBOARD



For illustration purpose only



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