<Epihack/>* 101
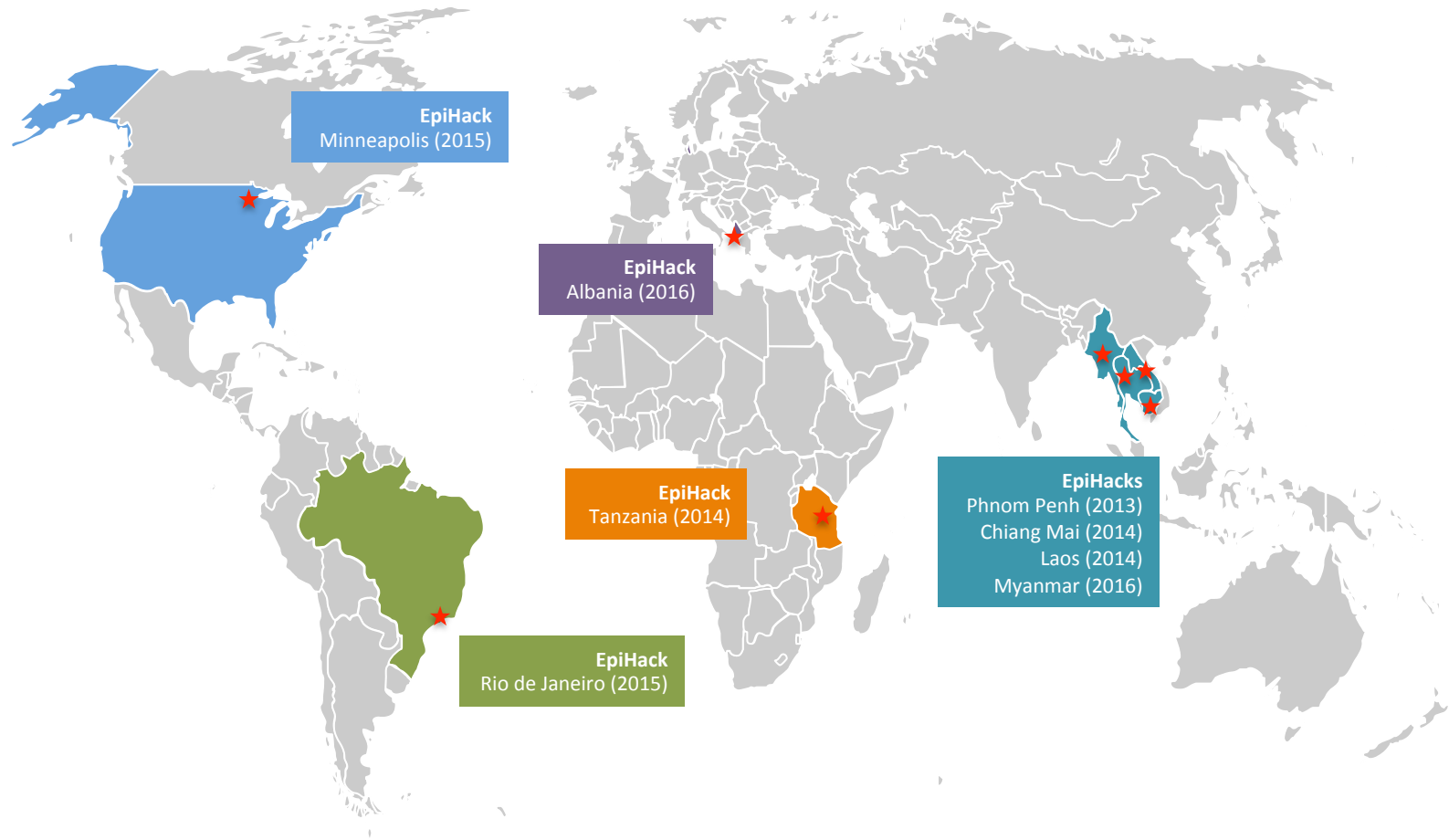
Dr. Jennifer Olsen

EPIHACK*: EPIDEMIOLOGY HACK-A-THON
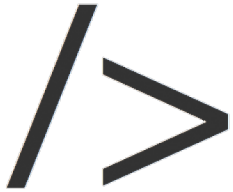
An Epihack* is a gathering of international professionals from the fields of technology, animal health, and public health. Participants engage in 3-6 day intensive workshops and create, adapt, or improve technologies for disease surveillance.

Would You Like To Join Our Community?

EPIHACK* EVENTS

EpiHack
Minneapolis (2015)

EpiHack
Albania (2016)

EpiHack
Tanzania (2014)

EpiHacks
Phnom Penh (2013)
Chiang Mai (2014)
Laos (2014)
Myanmar (2016)

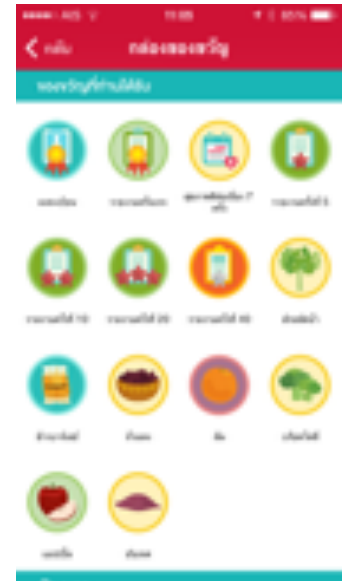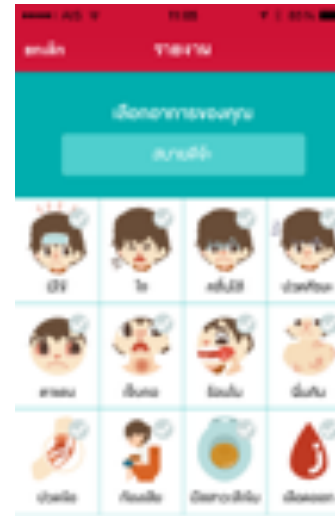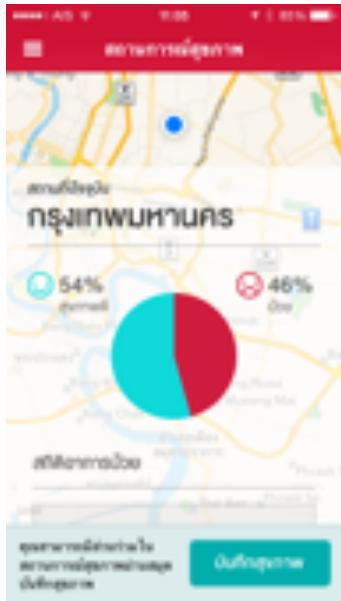**EpiHack**
Rio de Janeiro (2015)

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threats fund

Epihack* Phnom Penh (2013)

- Projects included a pilot for new ILI system, cloud-based system for Mae Tao Clinic, and hotline for CoPanFlu

- Use of Verboice for One Health, early warning, and animal health applications

- Incorporating participatory surveillance into DoctorMe application

Epihack* Phnom Penh (2013)

Epihack* Chiang Mai (2014)

- Establish human / animal participatory epidemiology approaches in Chiang Mai with local partners

- Detect both human and animal illnesses in real time, before an epidemic occurs

- Empower human and animal health officials with more timely data to respond faster and contain outbreaks

Epihack* Laos (2014)

- Vector-borne surveillance tool for field surveys and reporting

- Voice-based Dengue alert system through community reporting across multiple platforms

- Localizing DoctorMe to Lao language

opendream

skoll global threats fund

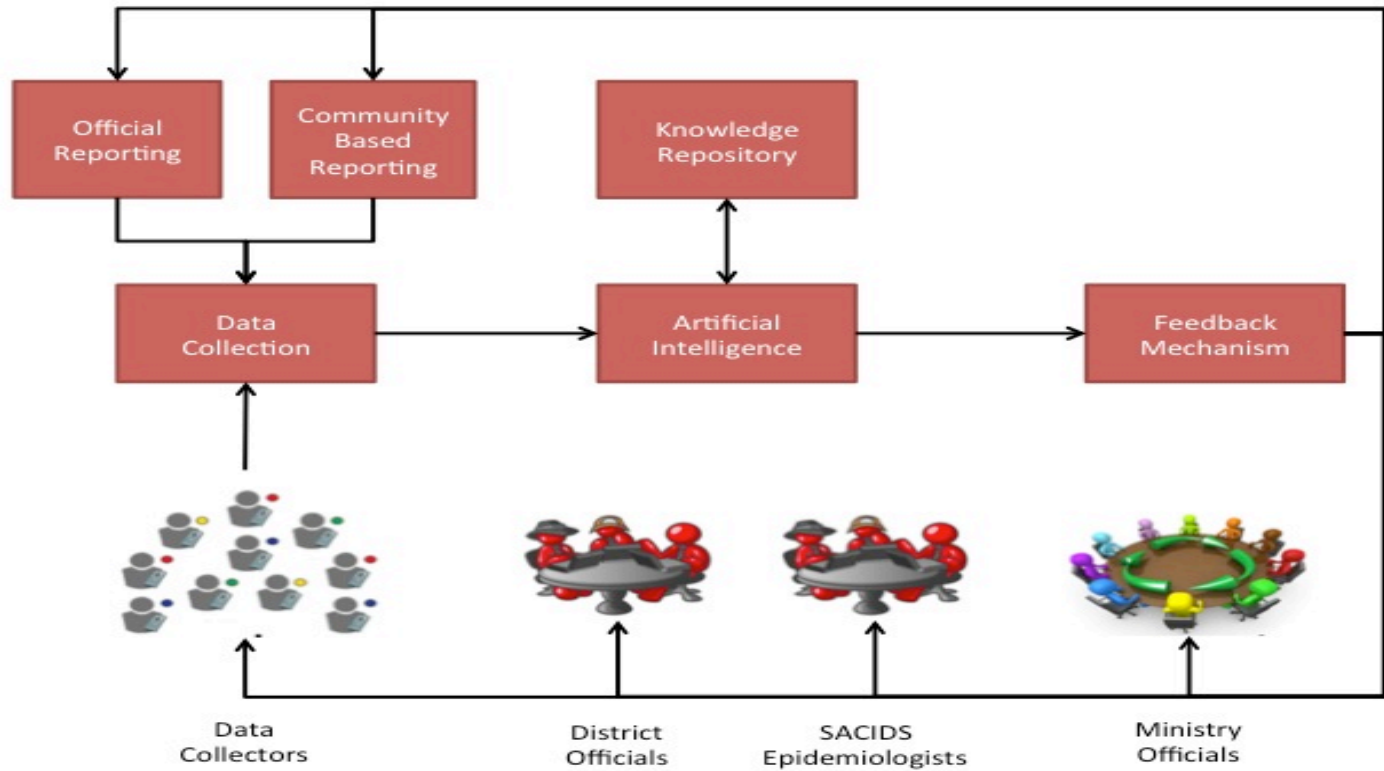# Epihack* Tanzania (2014)

- Develop participatory engagement of local communities via mobile applications

- Empower official reporting, community reporting and support feedback mechanism with knowledge repository

- Empower human and animal health officials with more timely data to respond faster and contain outbreaks

Epihack* Tanzania (2014)

Epihack* Rio (2015)

- Brazil Ministry of Health championed the World Cup pilot to engage fans in mass gathering participatory surveillance

- SGTF, Epitrack, and InSTEDD convened Epihack Rio with participants from around the world to develop an application for Olympics mass gathering

- Empower human and animal health officials with more timely data to respond faster and contain outbreaks

Epihack* Rio (2015)

Epihack* Minneapolis (2015)

- Convene state and local health departments to leverage Flu Near You data for local surveillance

- Develop code base for local analysis, inform design of user data dashboard

- Educate local epidemiologists on opportunities for leveraging novel data streams

Epihack* Albania (2016)

- Southeast European Center for Surveillance and Control of Infectious Diseases (SECIDS) had significant amounts of human, animal, vector and environmental data

- SECIDS and SGTF convened Epihack Albania with participants from around the region and across sectors to participate

- Led to prototypes for
  - Data platform and structure
  - Visualizations (maps, graphs, and charts)
  - Analysis and alerting
  - Query and reporting

Epihack* e-Learning – Scaling Epihacks

- Online training for organizers and facilitators
- Developed by expert Epihack alumni
- Register: e-learning.epihack.org
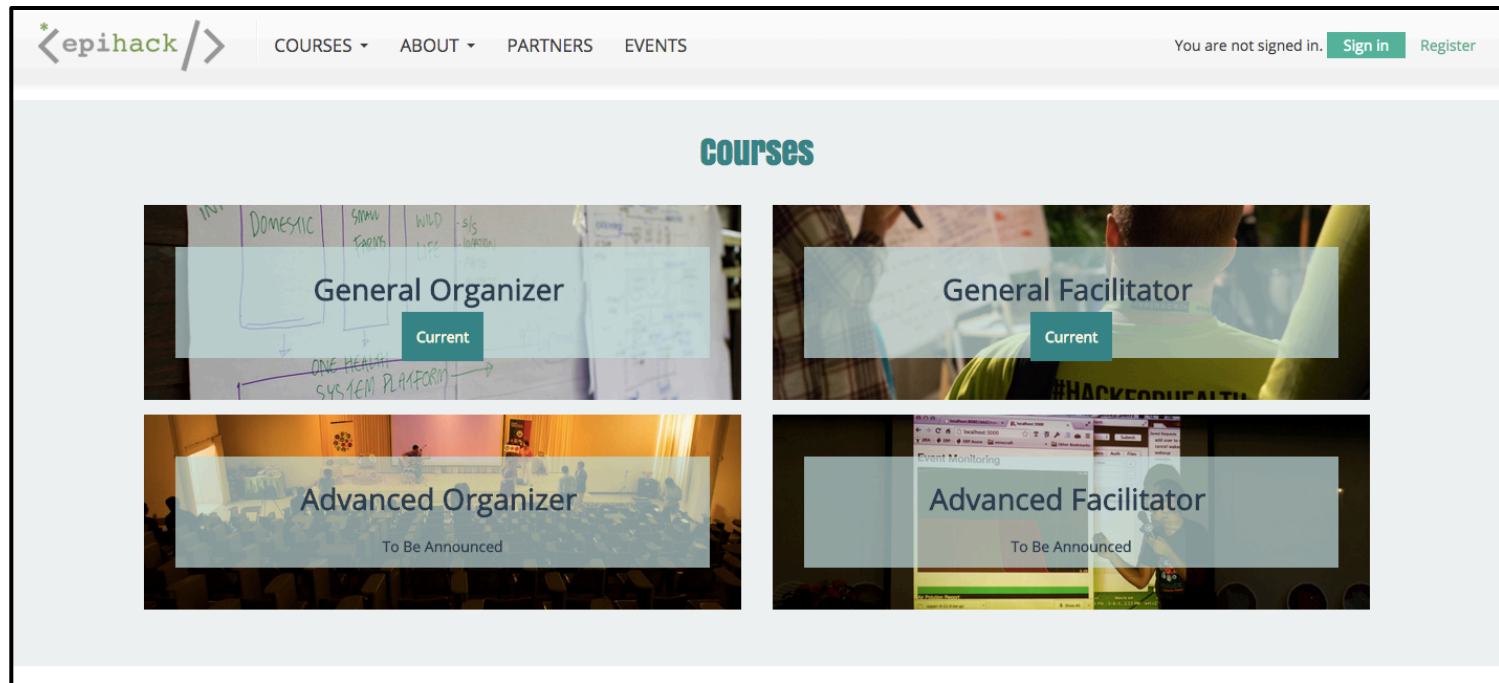
Now it's YOUR turn

Epihack Myanmar – April 25-29, 2016

Questions?

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