

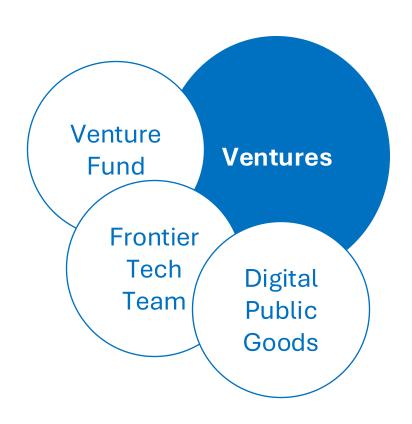
EIOS Global Technical Meeting December 11, 2024

Katherine Hoffmann Pham Al Advisor UNICEF Office of Innovation

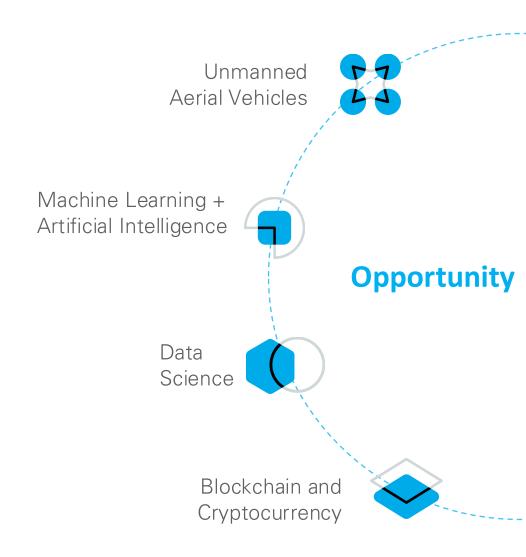


UNICEF Ventures





Ventures helps to apply promising open solutions in country programs and prime the most suitable for scale.







What is Al?



Al systems pervade many aspects of our daily lives.

Most of us interact with Al without even realizing it.

An **Al system** is

a machine-based system that, for explicit or implicit **objectives**, infers, from the **input** it receives, how to generate **outputs** ... that can influence physical or virtual environments.



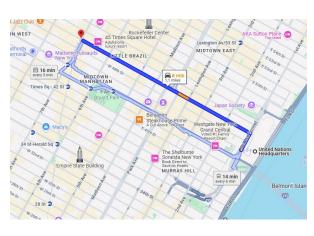
Facial and voice recognition



Recommendations



Machine translation



Maps and travel planning

Where can Al help?





Data gaps and real-time insights



Predicting and simulating



Automating analysis and enhancing human workflows



Content conversion, personalization, and creation

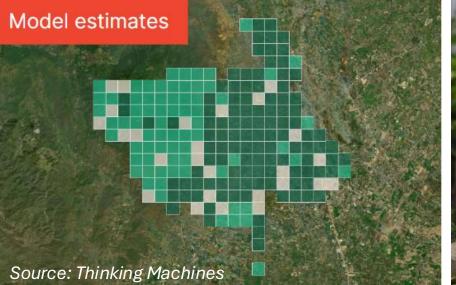
The range of problems that can be addressed by AI algorithms and systems is constantly growing.

Filling in data gaps

Predicting air quality in Thailand and Laos









Providing real-time insight

Social media listening and radio monitoring





1,924 hours recorded



87 hours of potentially relevant content identified with automatic filter

54 hours remaining after removing duplicate stations

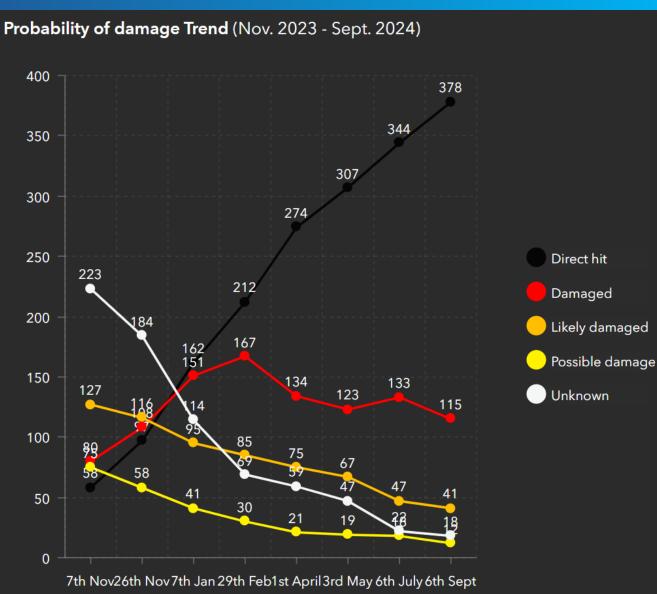
16 hours of relevant conversation identified via manual review

Automating analysis at scale

Estimating school damage in Gaza





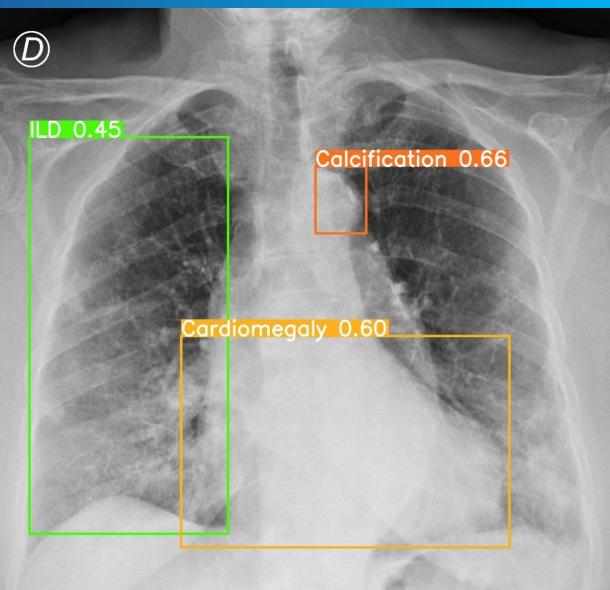


Enhancing human workflows

Al-powered diagnostics and decision support





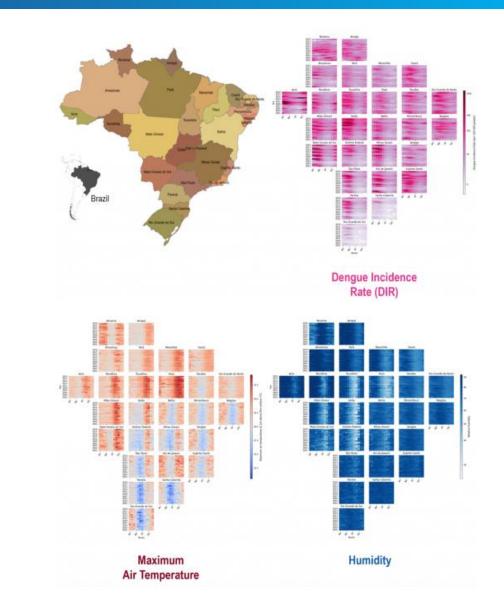


Predicting the future

Forecasting dengue outbreaks in Brazil and Peru



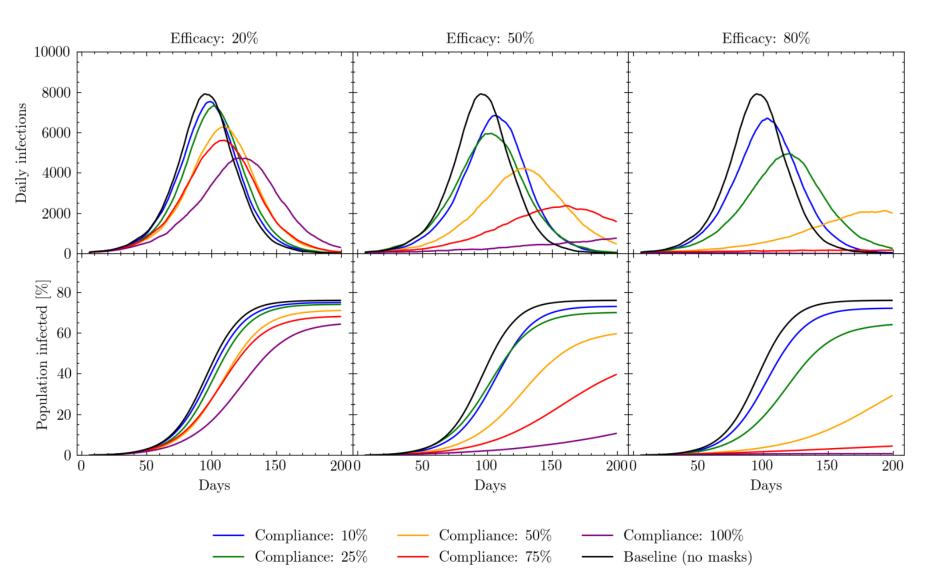




Simulating possible scenarios



Exploring the impact of COVID mitigation measures in Cox's Bazar, Bangladesh

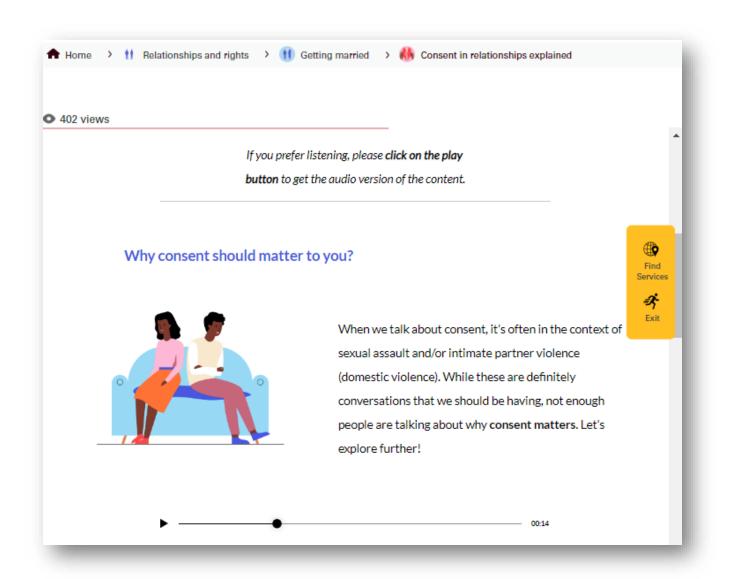




Converting content to new formats

Promoting inclusivity with speech synthesis and machine translation











Personalization and content generation



Empowering and enhancing user interactions with large language models

Hot topics

The chart represents the most trending words in inquiries. showing a strong desire for health information.

diseases AIDS pregnant problem family system side protect signs

prevent heart help body

health heart myself man pain cancer

good Zambia HIV brain girl sex cause explain boy normal infection stop infection

pregnancy reel treat woman human causes feel name

blood kind baby disease affect

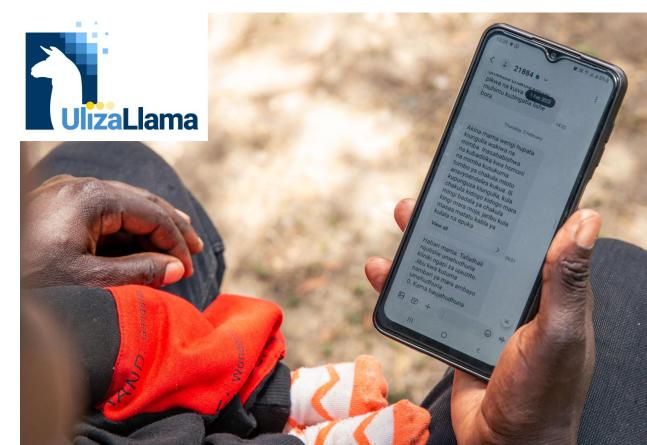
effects child fight years malaria

sexual symptoms

Edited to remove sensitve words







Understanding the context

Office of Innovation unicef for every child

Need to consider the environment in which models are used



Understanding the limitations



Need to consider model capabilities and training data

And the World Health Organization, since the recent monkey pokes outbreak needs a more global coordinated air foot.

kara state government has warned health officials against issuing covid 19 vaccination cards to people who refuse to be vaccinated but wish to acquire the cards ...

while as did comment as 1 held officials against it in **covington location chart** to people who refuse to be **buttoned** but which to a cloud the carts ...

How to engage effectively with Al





Identify the best partner for solution delivery – buy, borrow, or build



Support in-country ecosystems of Al developers, testers, and implementers



Build Al solutions that are accessible and localized



Design for the digital divide and gender equality



Address bias, safety, discrimination, and representation



Innovation is not easy

It takes time, investment, and iteration to see returns





Al is a useful and promising tool



Al won't solve all your problems



You will invest a lot of time making Al systems work for you

