

Health in the face of global change – building community resilience

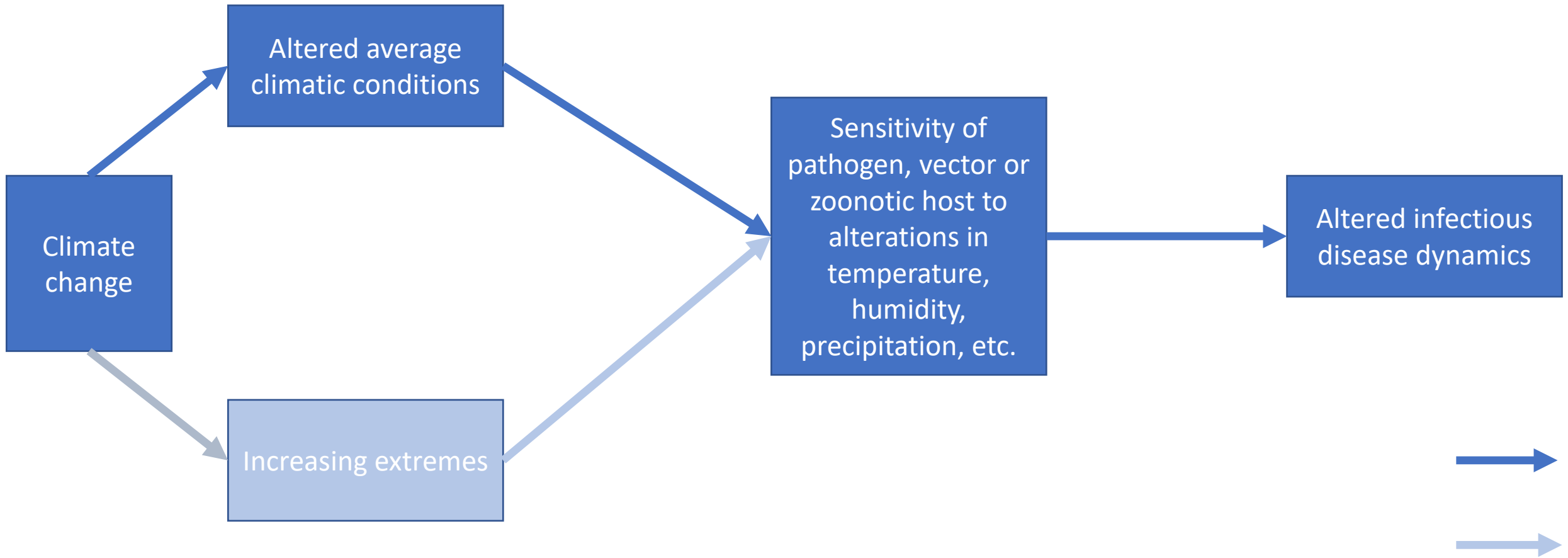
Kacey C. Ernst, PhD MPH

Professor of Epidemiology, College of Public Health

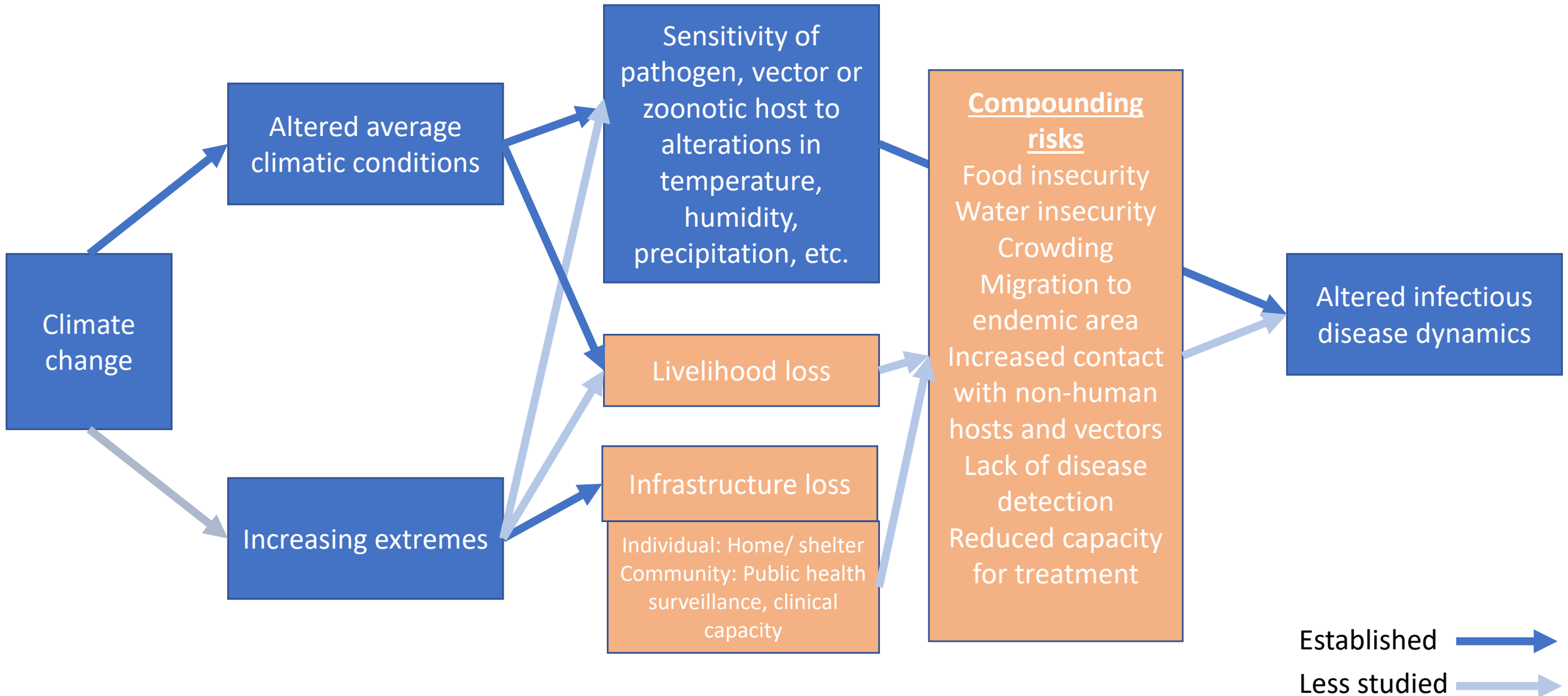
2021 Symposium on Resilience Research for Global Development Challenges

September 30 and October 1

Climate change influence on infectious disease dynamics

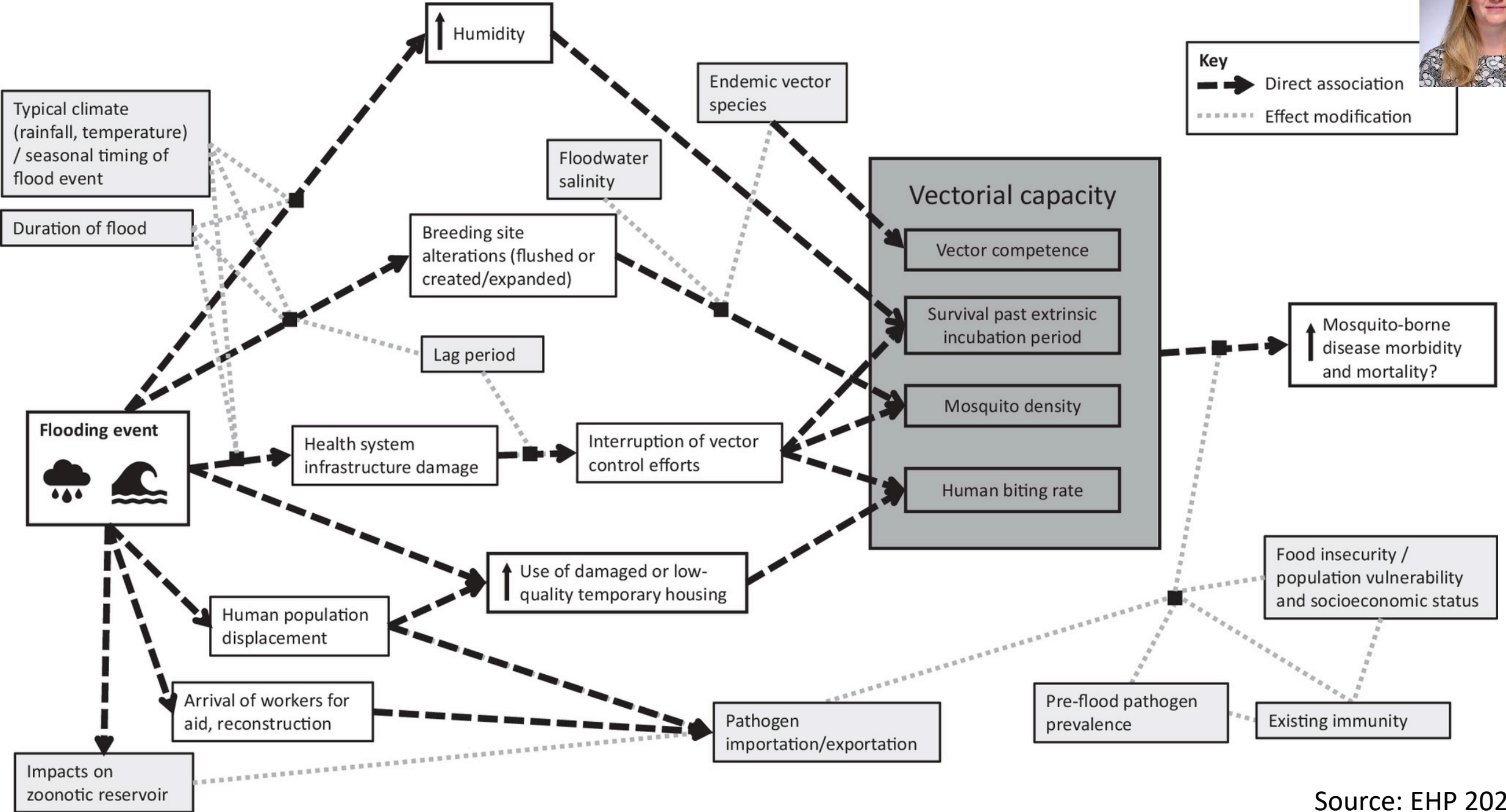


Climate change influence on infectious disease dynamics

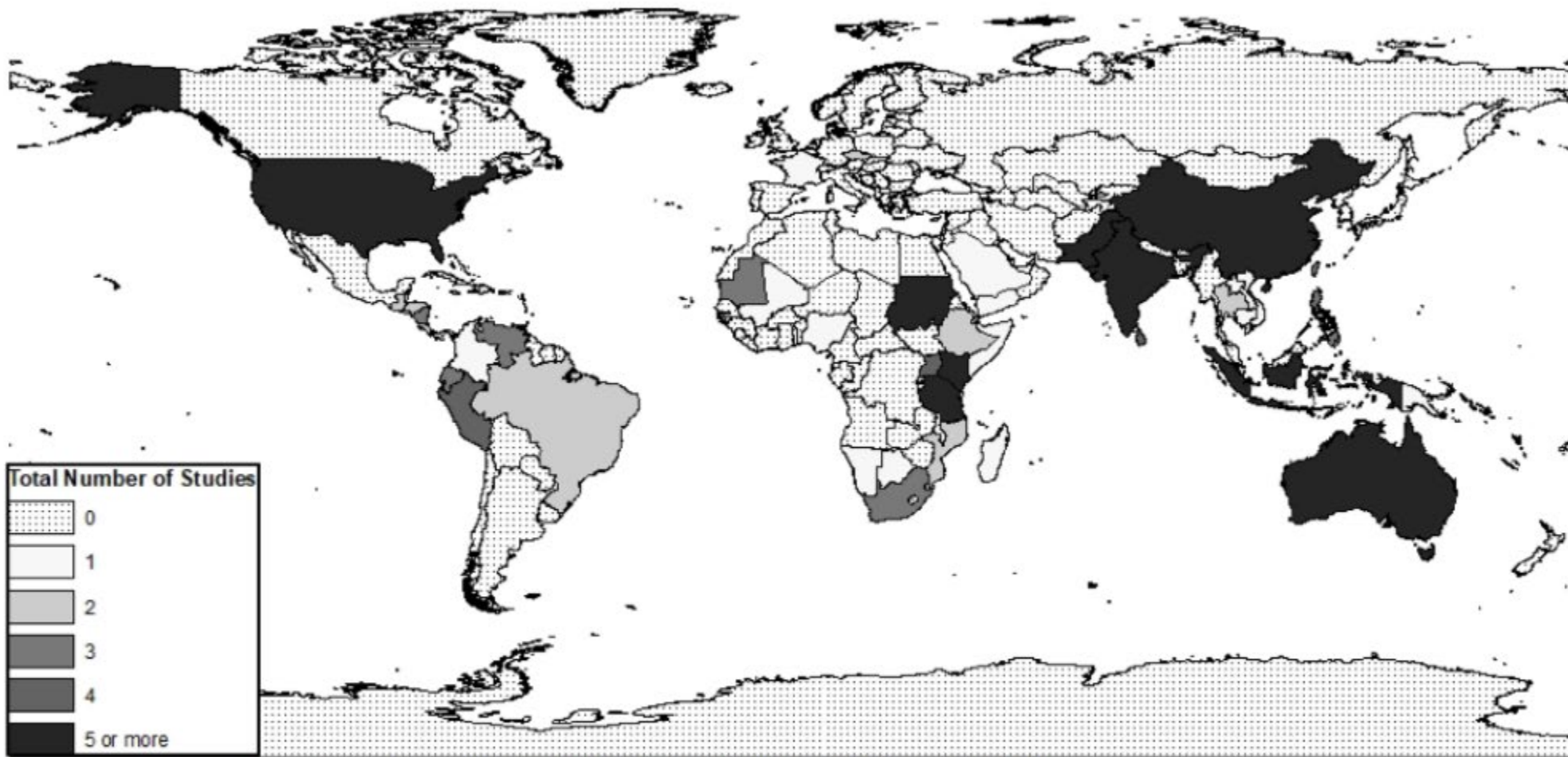




Complex Framework for multiple pathways of influence of extreme rainfall on mosquito borne diseases



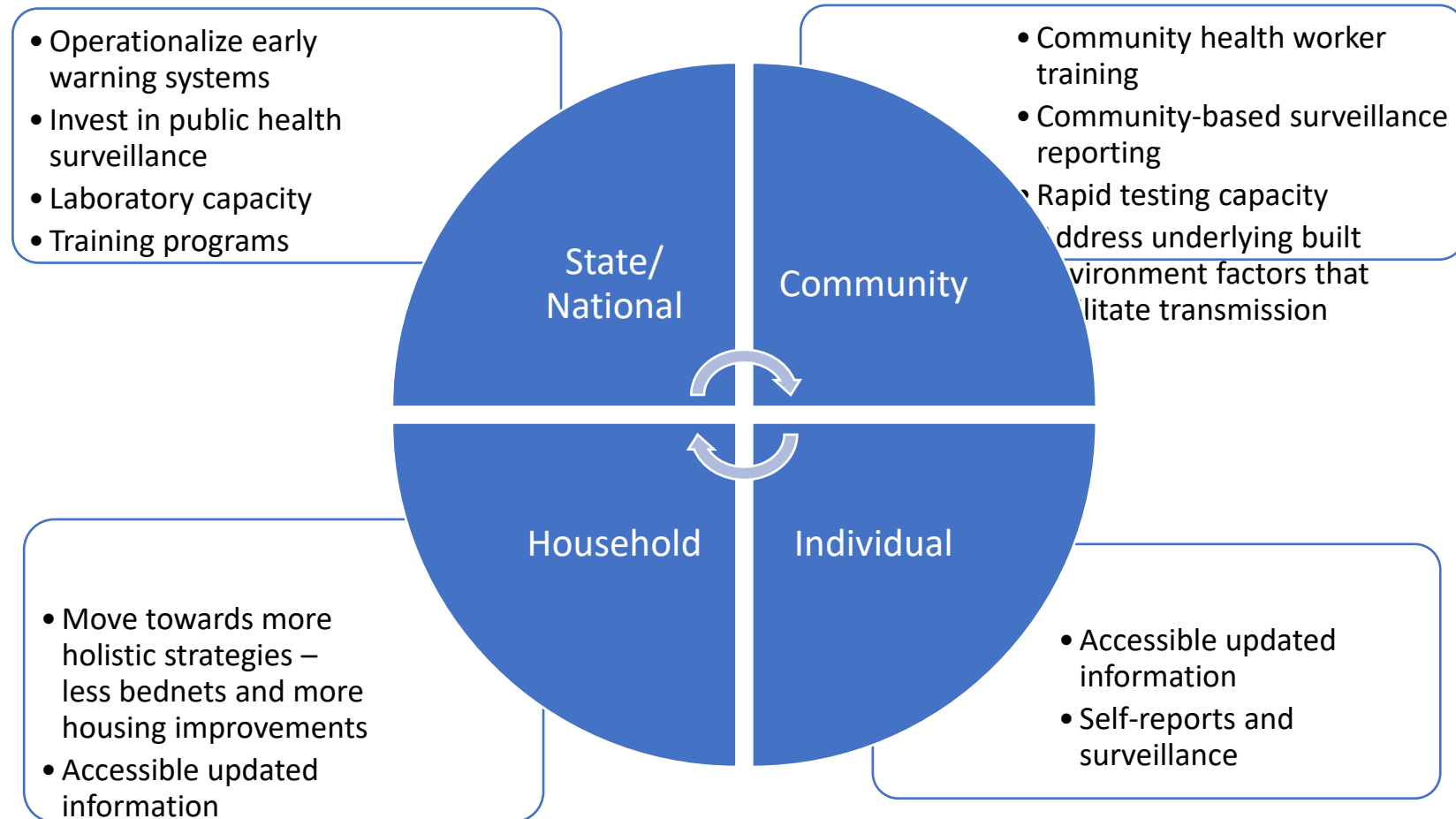
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0 600 1200 2400 3600 4800 Miles

Source: UIA World Countries Boundaries, Esri (Redlands, CA)

Building resilience – redundancy across levels of action



Potential role of mHealth



REPORT NOW!



DISEASE TRACKER



WHAT'S NEW?



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TEXT | MAP | COMBAT
AZCOVIDTXT.ORG



TEXT

MAP

COMBAT

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Texto con UNIRSE al

Complete a one-minute survey to help fight the spread of COVID-19 in Arizona. When you sign-up for AZCOVIDTXT, we will send you up to date, trustworthy, and relevant tips regarding COVID-19.

Learn more at AZCOVIDTXT.ORG

Pros

- Scalable solution
- Low-cost
- Increasingly accessible
- Dynamic
- Engaging
- Bi-directional exchange
- Data collection even in absence of centralized infrastructure

Cons

- Not accessible by all
- Interest wanes over time
- Most impacted not engaged
- Less effective than hands-on direct strategies

Thank you!