

Can AI Predict Disease When El Niño Strikes?

Climate shifts are already disrupting health — but most models ignore them.

Swipe for insights →

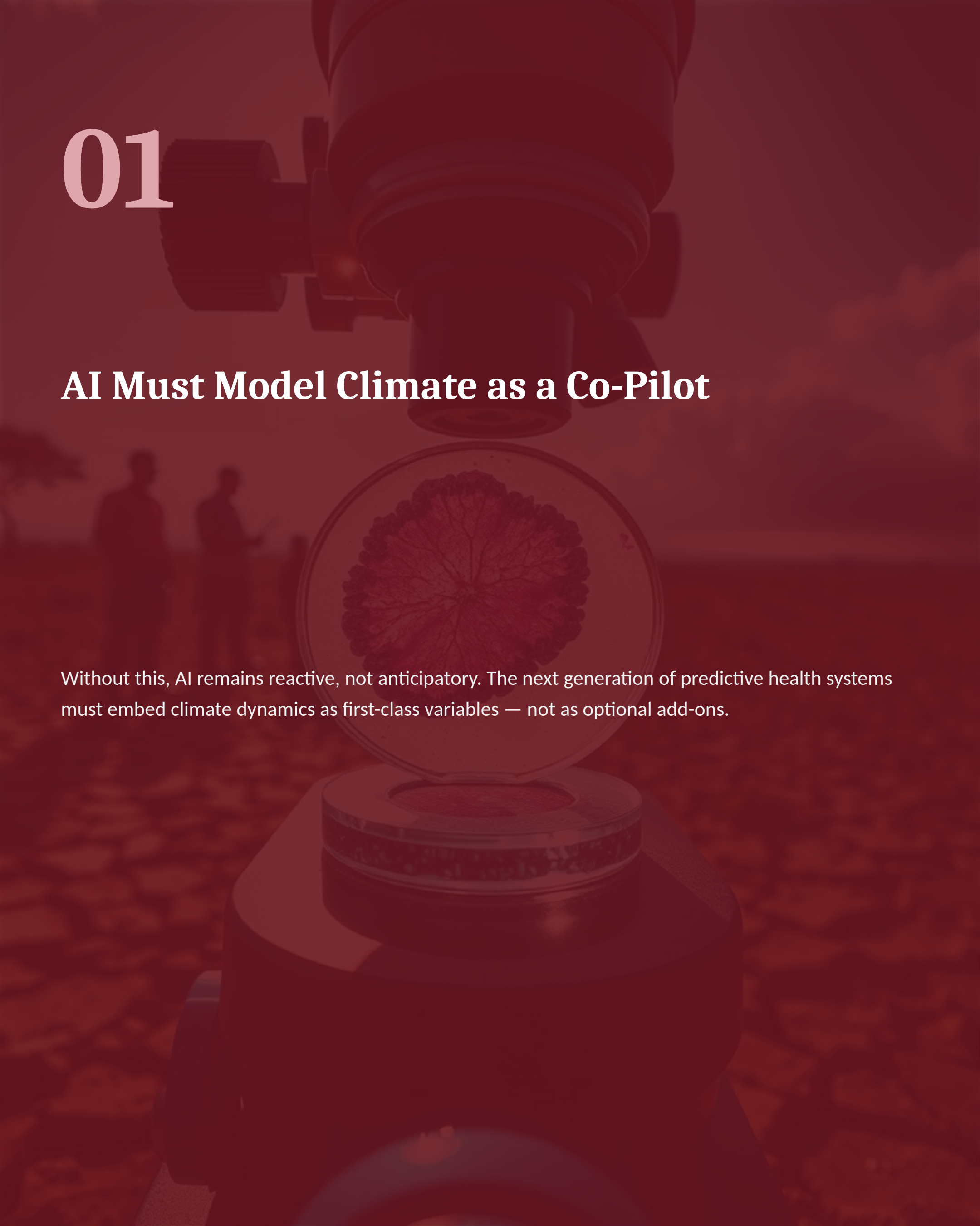
THE DATA

Years of increased global disease risk

This figure captures the sustained window during which climate anomalies from El Niño amplify transmission of vector-borne and waterborne diseases. It reflects a systemic lag in health system responsiveness, not just acute outbreaks. AI models trained on historical data without climate context will fail to anticipate these delayed, cascading effects.

Source: Stanford University · Published October 31, 2026
<https://news.stanford.edu/stories/2026/10/el-nino-science-experts>



A hand holding a magnifying glass over a dried leaf, with a blurred background of people in a field.

01

AI Must Model Climate as a Co-Pilot

Without this, AI remains reactive, not anticipatory. The next generation of predictive health systems must embed climate dynamics as first-class variables — not as optional add-ons.



02

The Cost of Ignoring Climate Timing

A counterintuitive implication: the most dangerous period for AI-driven public health alerts may be months after the climate event ends. Models that stop learning at the end of El Niño are fundamentally flawed.

George Arnold Alexander III, MPA

MIT, Nvidia, Google, AWS & IBM-Trained. Cross-Domain Expert. Castor Venture Club.

Partner, ALEX Companies

Associate Broker, Alexander Tiffany Southwest, LLC dba ALEX.realestate, et al.

Texas License #574878-B · Texas Broker License #565194-BB

Broker · North Carolina License #367733

Independent Broker · Colorado License #II.100112456

Broker · Alabama License #000178406

george@alex.realestate · +1 713.918.9951

ALEX

ALEX Intelligence
deep intelligence

ALEX Real Estate
genius real estate

ALEX Advisory
uncontested strategy

ALEX Cares
purposeful philanthropy

