AT THE GATES.
Our safety depends upon official vigilance.
Prerequisites for Action

- Awareness that a problem exists
- Understanding of the causes
- A sense that the problem matters
- The capability to influence
- The political will to deal with the problem
Public Health Adaptation

- **Reduce exposures**
  - Legislative policies
  - Alterations in built environment
  - Alterations in natural environment

- **Prevent onset of adverse outcomes**
  - Early warning systems
  - Surveillance and monitoring
  - Vector control programs
  - Public education and outreach

- **Response / treatment**
  - Medical training and awareness
  - Treatment
  - Emergency response

Residual climate change-related health impacts
Adaptation Mode, Level, and Stage (Examples shown are for malaria)

Mode of intervention
- Biological
  - Adaptive immunity
- Behavioral
  - Use of bednets

Stage of intervention
- Primary
  - Vaccination
- Secondary
  - Early warning
- Tertiary
  - Early treatment

Level of intervention
- Individual
- Community or group
- National
- Global

Social
- Surveillance
- Health systems
- Other institutions
Adaptation Measures to Reduce Vectorborne Diseases

- Decision support tools
- Early warning systems
- Technology development
  - Vaccines and more rapid diagnostic tests
- Surveillance and monitoring
  - Effective vector surveillance and control programs that incorporate climate change concerns
- Infrastructure development
  - Consider possible impacts of infrastructure development, such as water storage tanks
Adaptation Measures to Reduce Health Outcomes Due to Floods

- Legislative policies
  - Improve land use planning
- Decision support tools
  - Early warning systems and emergency response plans
- Technology development
- Surveillance and monitoring
  - Alter health data collection systems to monitor for disease outbreaks during and after an extreme event
- Infrastructure development
  - Design infrastructure to withstand projected extreme events
- Other
  - Conduct research on effective approaches to encourage appropriate behavior during an extreme event
Climate Change Is About Children
Thank-you

Krisebi@essllc.org