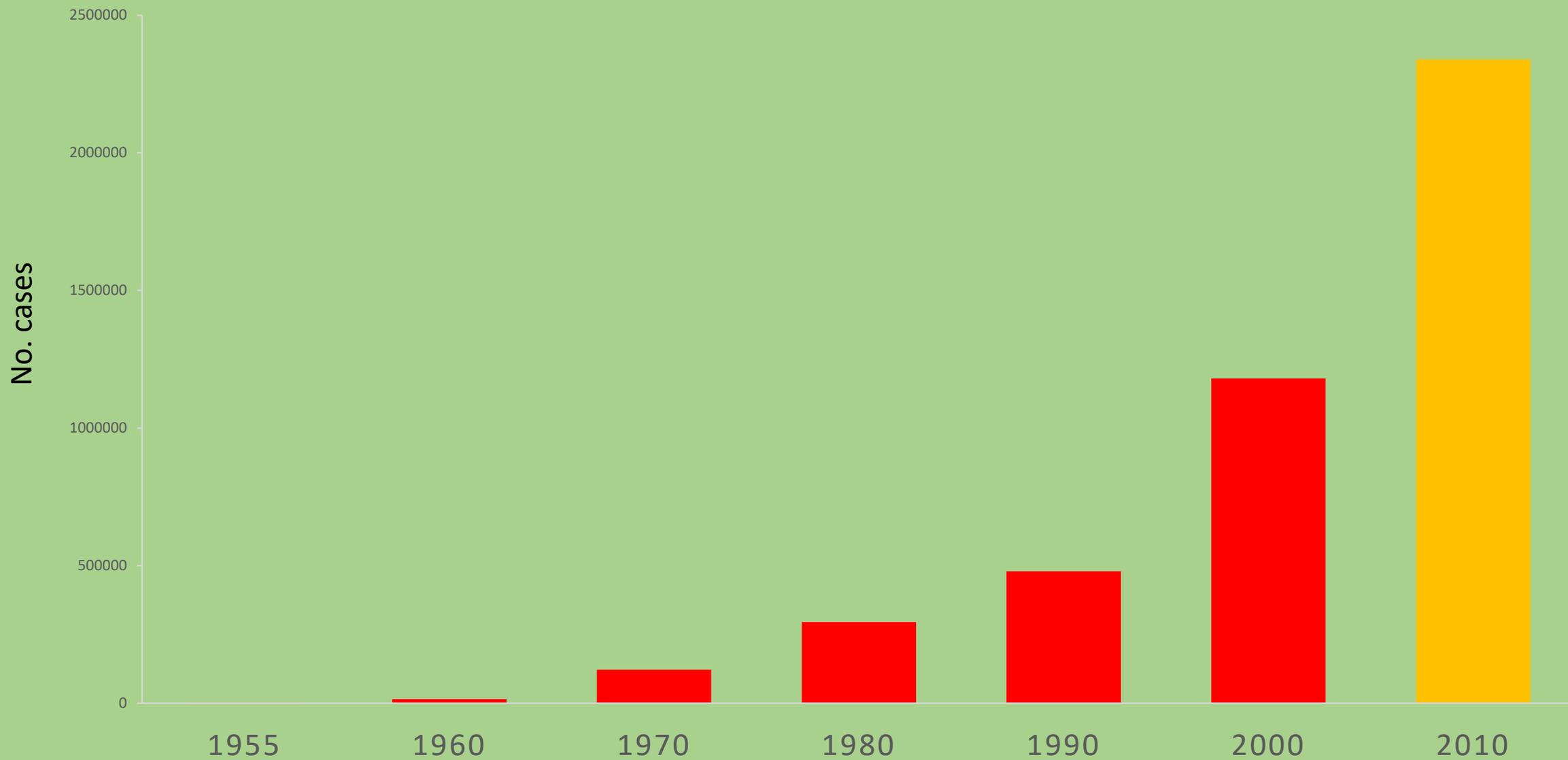




# Mean number of dengue cases per year



# These are urban viral diseases



dengue haemorrhagic fever



Zika



*Aedes aegypti*



yellow fever



chikungunya

# Major cities are at risk from *Aedes*-transmitted diseases throughout the tropics & sub-tropics



● Cities >1M inhabitants

■ Predicted *Aedes aegypti* distribution

Nick Golding, unpublished

# *Aedes aegypti*: the enemy within the gates

1. It is the world's most efficient vector of viruses
2. Is an invasive species

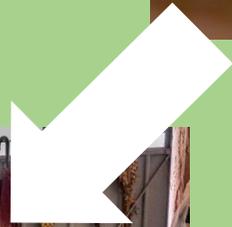


Rainforest



Urban environment

*Aedes aegypti* is the problem



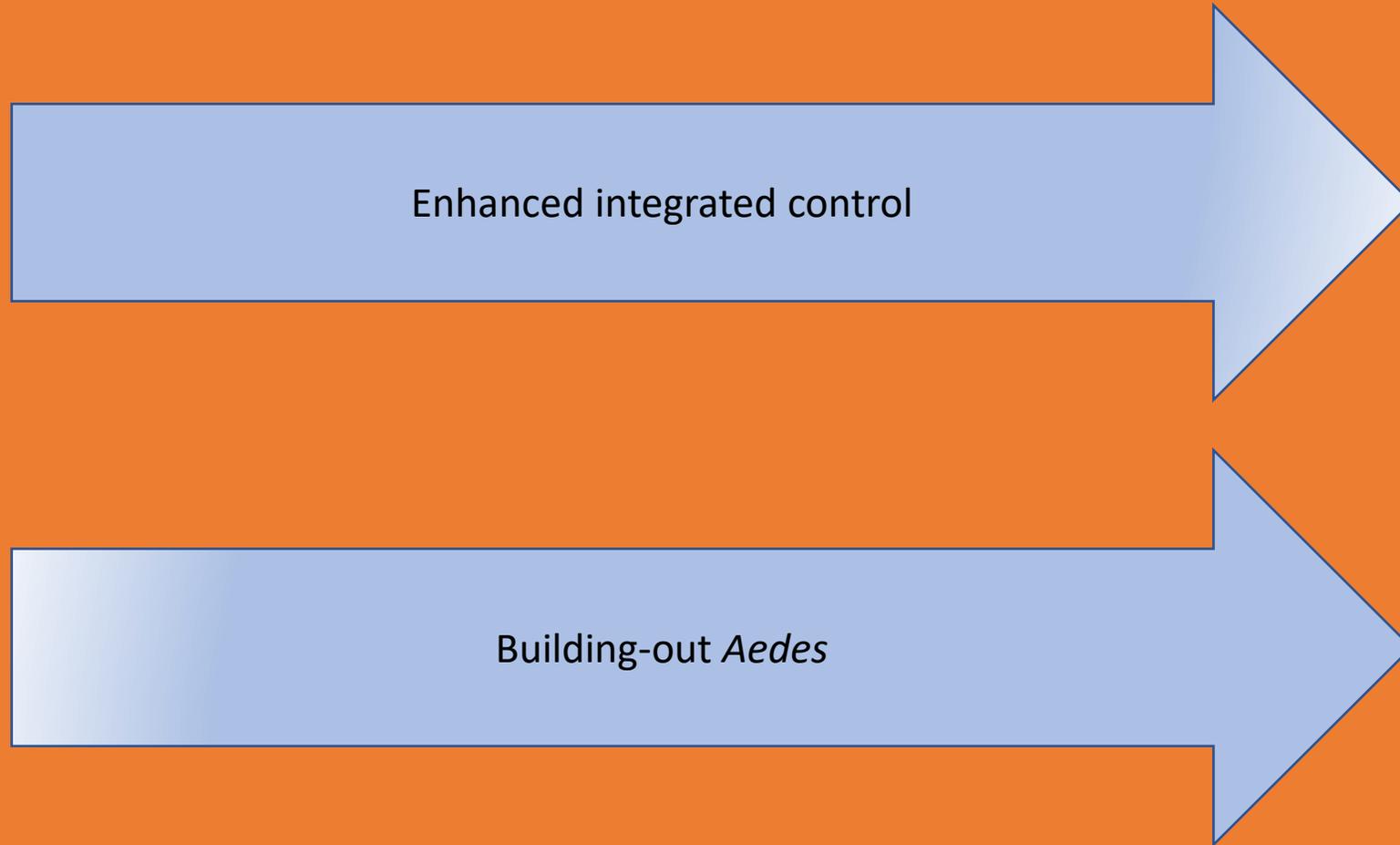
An aerial night view of a city skyline, showing numerous illuminated buildings and streets. The text "Our new approach is city-focused" is overlaid in white, centered horizontally and slightly above the middle vertically. The background is a dense urban landscape with a mix of low-rise and high-rise buildings, all glowing with warm yellow and orange lights against a dark blue twilight sky.

Our new approach is city-focused

# Why focus on cities?

- These diseases are predominantly an urban problem
- Huge growth in urban populations, particularly secondary cities and towns
  - By 2050 the urban population will double
  - Nearly 7 out of 10 people will live in cities
  - 60% of urban areas that will exist in 2050 have not yet been built
- Cities are the engines for change
- Strong city leadership can get things done
- Preventing epidemics will improve economic activity

# Two-pronged approach



# Examples of 'Building out' interventions:

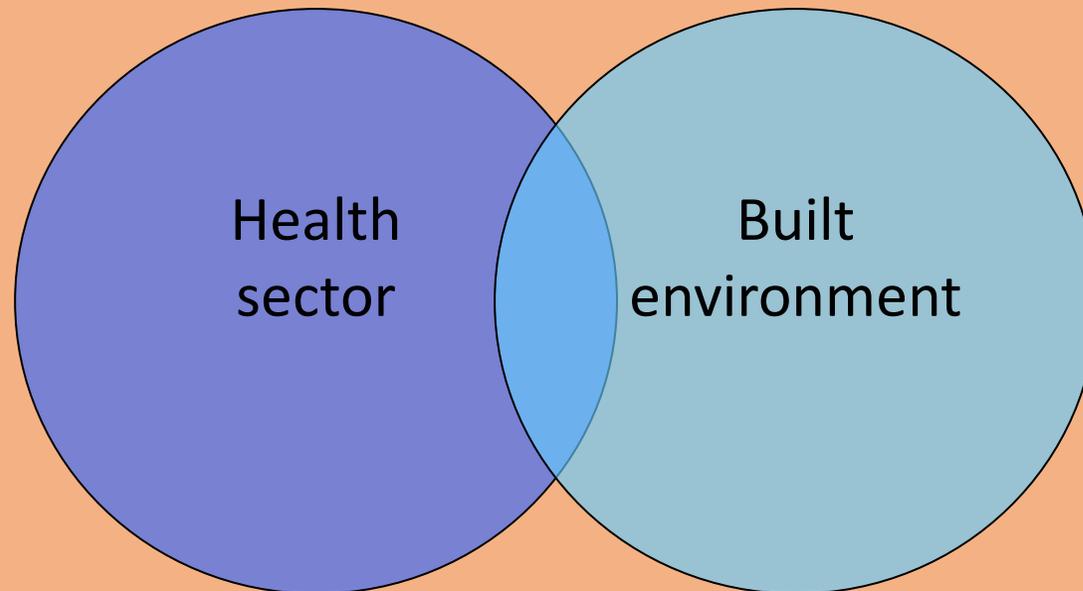
to remove small water collections & prevent adult mosquitoes biting

- Reliable piped water
- Effective removal of trash including old tyres
- Building concrete structures impermeable to mosquitoes
- Improved drainage including tree planting
- Closing water containers
- Removal of guttering
- Screening houses

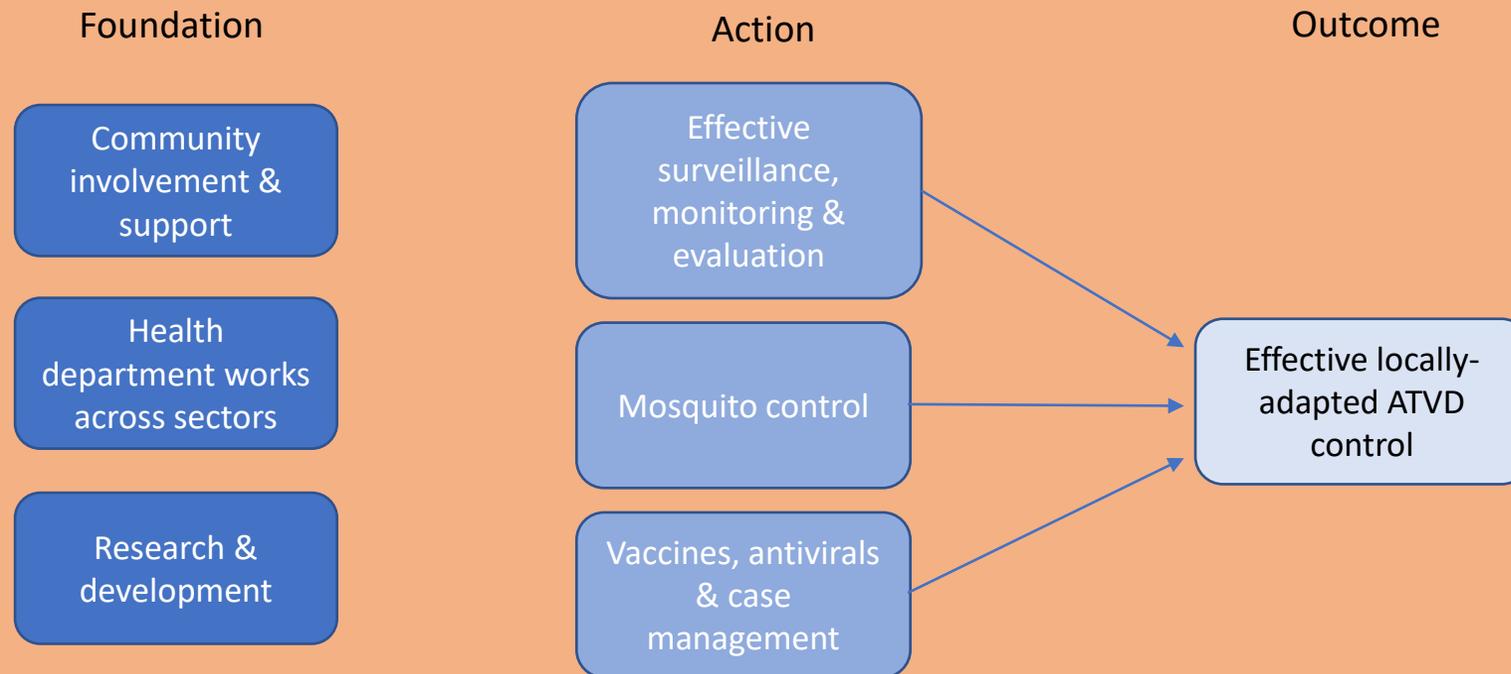
Interventions needs to be tailored to local conditions

# What's new

- City focus lead by mayors (municipal leaders) with health department support
- Multisectoral approach



Reduce & eliminate *Aedes* transmitted viral diseases from cities



# Harnessing collective action around the SDGs



Mission impossible?

# Making Cities Resilient 2030

**wuf<sup>10</sup>**  
الملتقى الحضري العالمي  
World Urban Forum

Networking Event  
**Making Cities Resilient 2030  
(MCR2030)**

UNDRR UCLG UN HABITAT THE WORLD BANK ICLEI IFRC

**MCR 2030** Making Cities Resilient

**My city is getting ready, is yours?**

Making Cities Resilient 2030 works with cities to make communities more resilient and sustainable.

[Get my city ready!](#)

- 468 cities joined the initiative
- Projects around the globe
- Guides city resilience plans
- Access to knowledge, experience, networks, tools, resources & services

# Summary

- **City leader-led** approach mainstreaming multi-sectoral approaches
- Preventing these diseases will **save money** & boost economic development
- **Environmental modifications** (piped water, solid waste removal etc) used to reduce the source of mosquitoes
- Ensure city-planners and those responsible for infrastructure design adopt these “**new approaches**” for the future expansion of urban settings
- In tandem, **targeted vector control & wide-scale vaccination** is required used proactively, not reactively
- Disease & mosquito **surveillance** needed to inform & target control
- City-led approach **working with the larger community**, particularly rapidly growing impoverished communities - recognising that amongst such communities innovative solutions can be developed and promoted

End game: towns and cities free from  
*Aedes*-transmitted diseases

