

The WIN Initiative: A Global Network to Combat Insecticide Resistance in Arbovirus Vectors

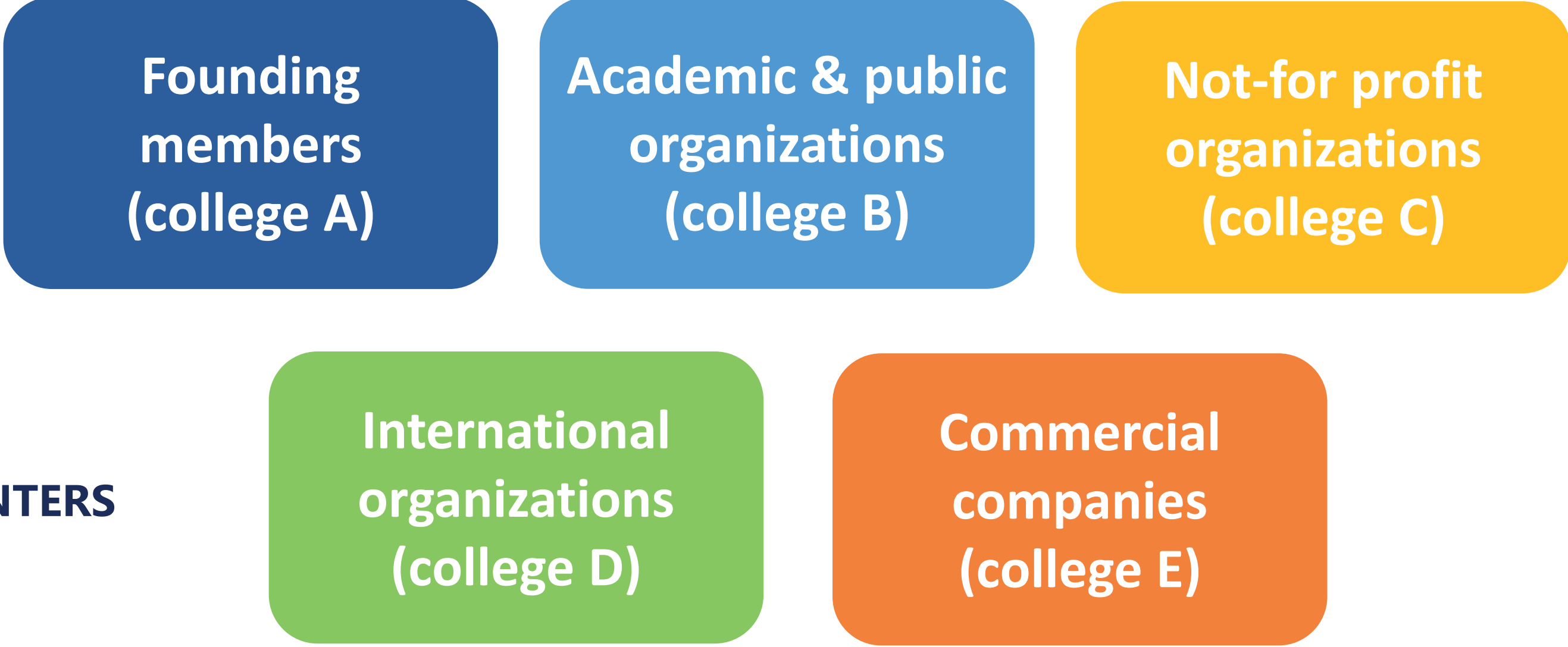


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The **WIN** brings together 19 internationally recognized institutions in entomology research for tracking and combating insecticide resistance in mosquito vectors of arboviruses.



Membership organization based on 5 colleges

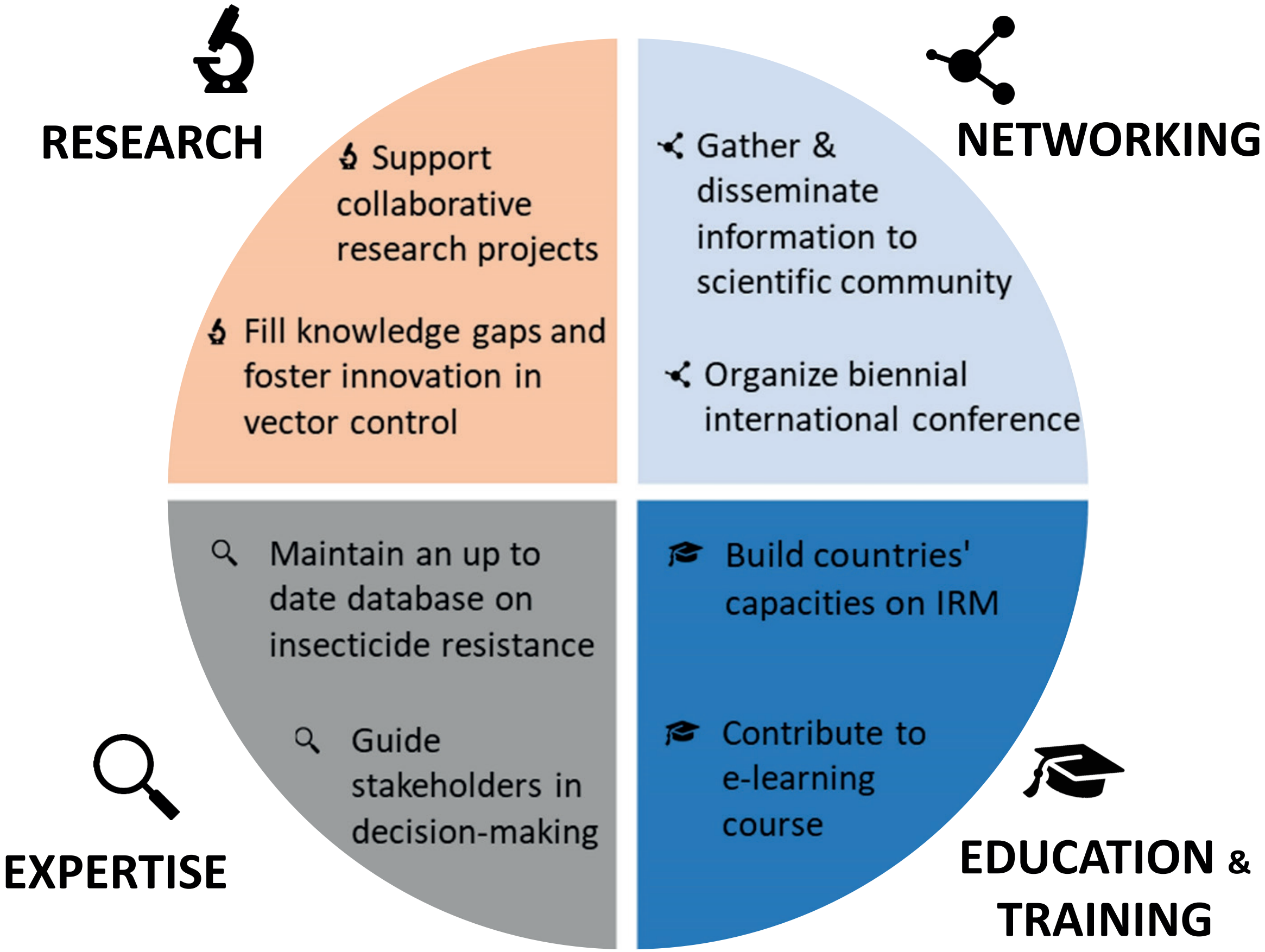


10 RESEARCH CENTERS
2 PUBLIC AGENCIES

7 UNIVERSITIES
14 NATIONALITIES

“Each college contributes to WIN activities and has specific role & benefits.”

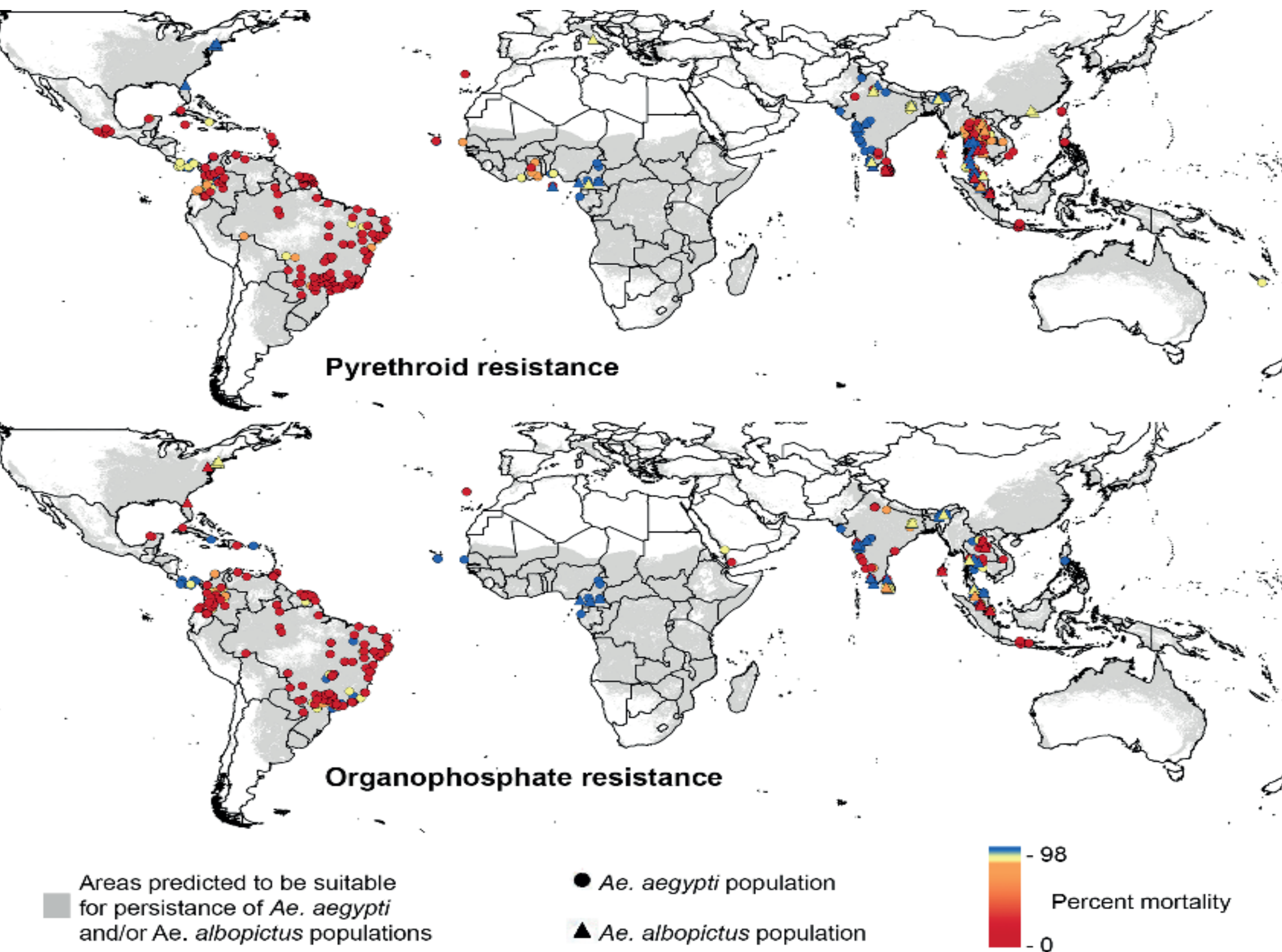
CORE PILLARS



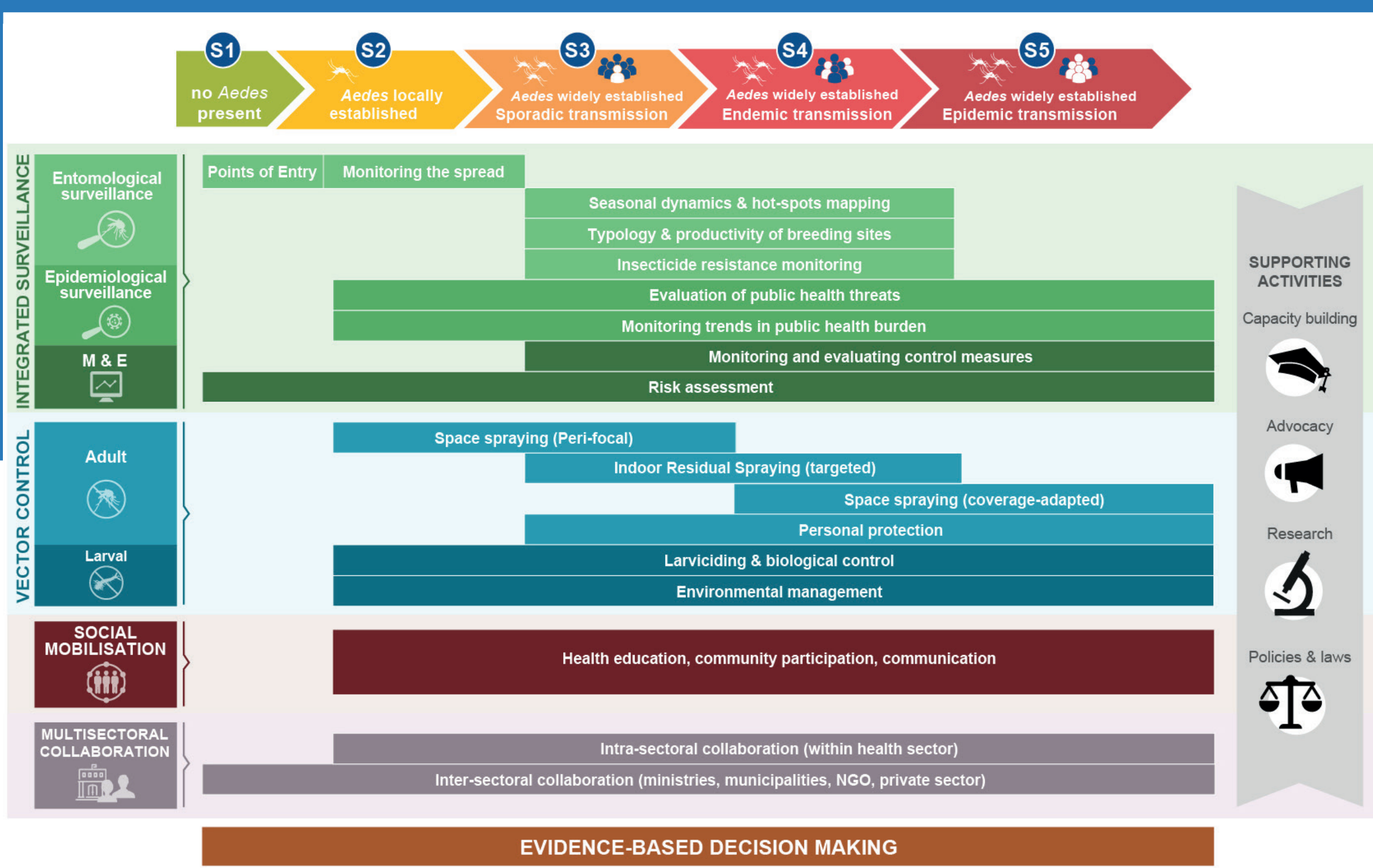
OBJECTIVES

- Establish a **global resistance surveillance system** for arbovirus vectors,
- Fill **knowledge gaps** and identify **research priorities** on insecticide resistance,
- Assist WHO and national authorities in **decision-making** on insecticide resistance management and deployment of resistance-breaking tools.

KEY RESEARCH ACHIEVEMENTS

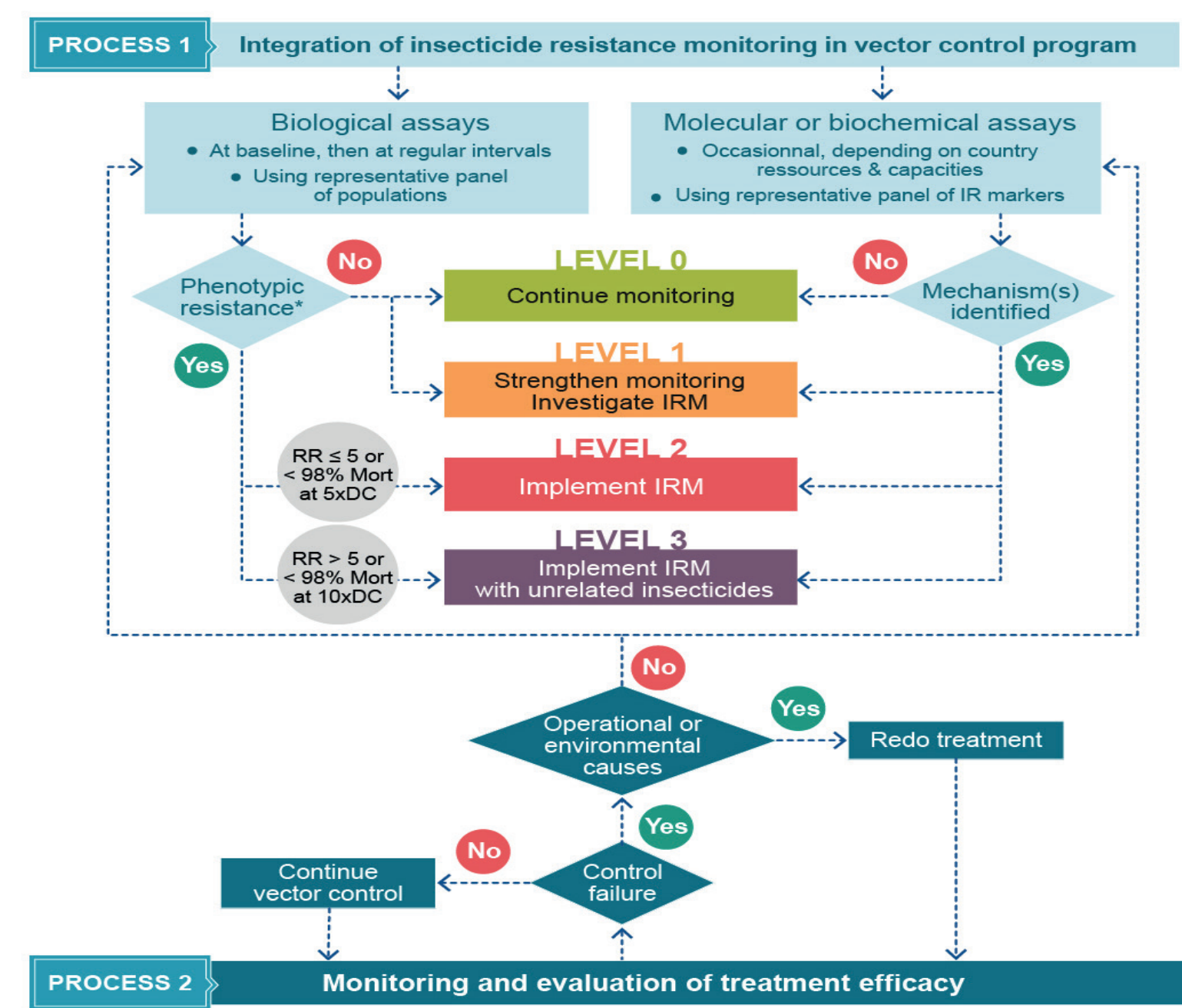


Global distribution of insecticide resistance. Locations of resistance to organophosphates and pyrethroids in *Aedes* mosquitoes, 2006 to 2015. Source: Moyes et al, PLoS NTD, July 2017

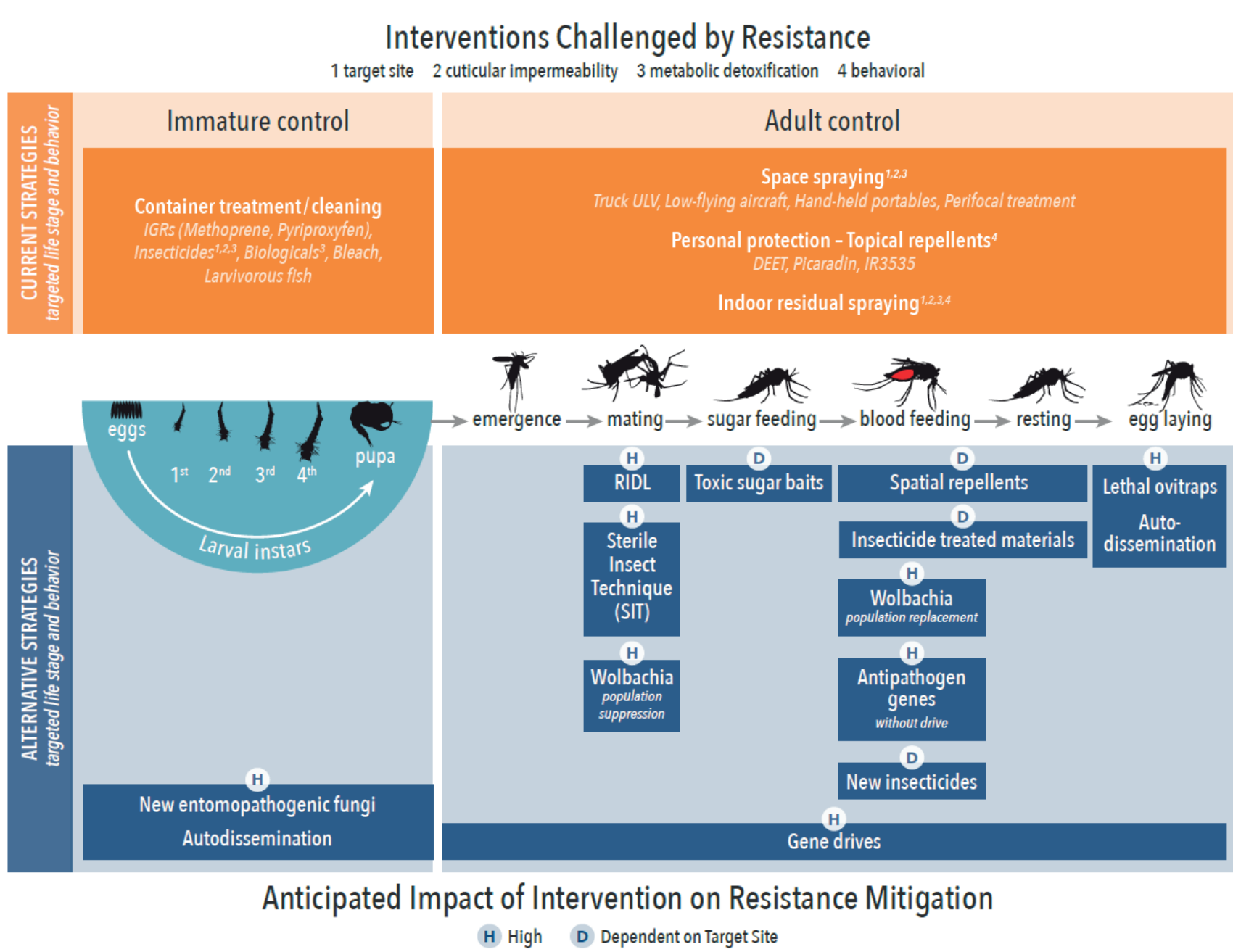


Integrated *Aedes* Management (IAM).

Conceptual framework of the Integrated IAM system. Activities are tailored to local scenarios of *Aedes* distribution and virus transmission risk. Source: Roiz et al, PLoS NTD (under review)



Insecticide Resistance Management (IRM). Support decision making of IRM strategy during implementation of a vector control program. Source: Chandre et al, PLoS NTD (under review)



Alternative tools for *Aedes* vector control. Current & alternative arbovirus control methods in the context of the anticipated impact on IRM. Source: Achee et al, PLoS NTD (under review)



Interesting in joining the WIN ?

Contact us at winprojectoffice@ird.fr

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