IVCC STRATEGY

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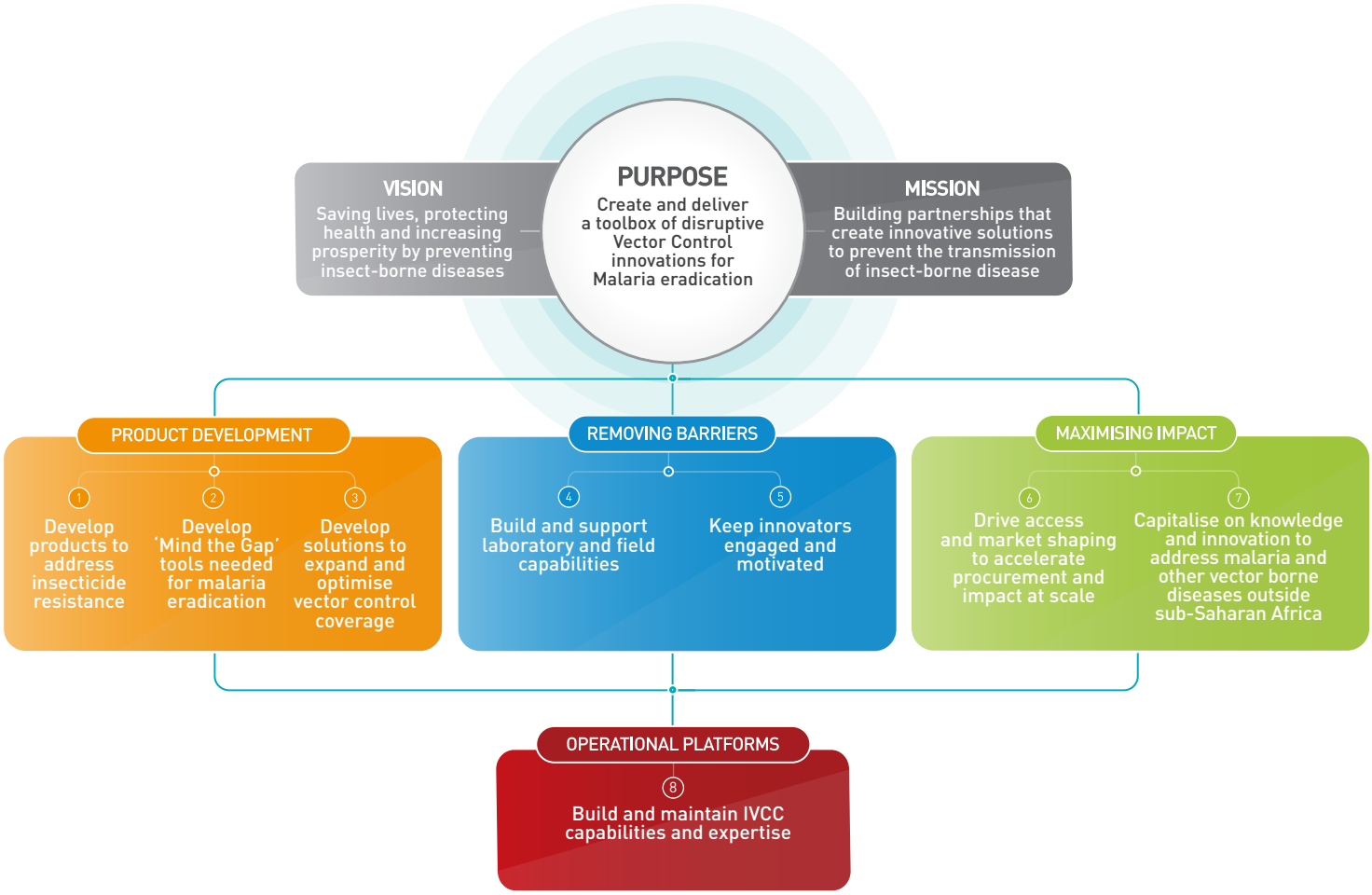
STRATEGY OVERVIEW



Vision, Mission, Purpose

VISION
Saving lives, protecting health and increasing prosperity by preventing insect-borne diseases.

MISSION
Building partnerships that create innovative solutions to prevent the transmission of insect-borne disease.

PURPOSE
IVCC works with stakeholders to facilitate the development and deployment of novel and improved public health insecticides and formulations at scale to overcome insecticide resistance across a range of transmission settings. Although primarily focused on malaria, IVCC recognises that new tools and products are likely to be effective against a wide range of other vector-borne diseases.

Product Development

IVCC is the only Product Development Partnership (PDP) working in vector control. Our research and development portfolio spans a broad spectrum of work including Active Ingredient (AI) discovery and evaluation, product development, formulation chemistry, entomology, laboratory and field evaluation as well as access and market shaping.

IVCC actively explores vector control solutions that will be needed to achieve malaria eradication and to target Neglected Tropical Diseases (NTDs).

The solutions we develop are primarily concerned with novel public health insecticides for use in/on Long Lasting Insecticide Treated Nets (LLINs), Indoor Residual Sprays (IRS) as well as tools preventing outdoor transmission. IVCC is focused on the identification of novel, safe and efficacious chemistry to address mosquito resistance to insecticides.

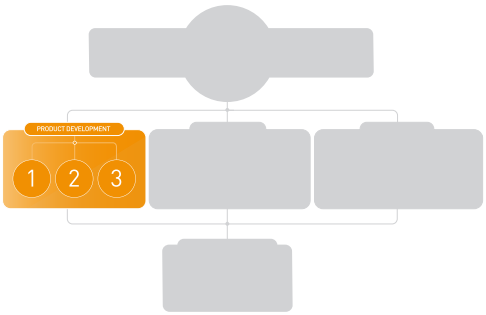
IVCC's strategy will adapt to meet the changing public health environment, including how to support the delivery, access and use of innovative vector control solutions within disease endemic countries.

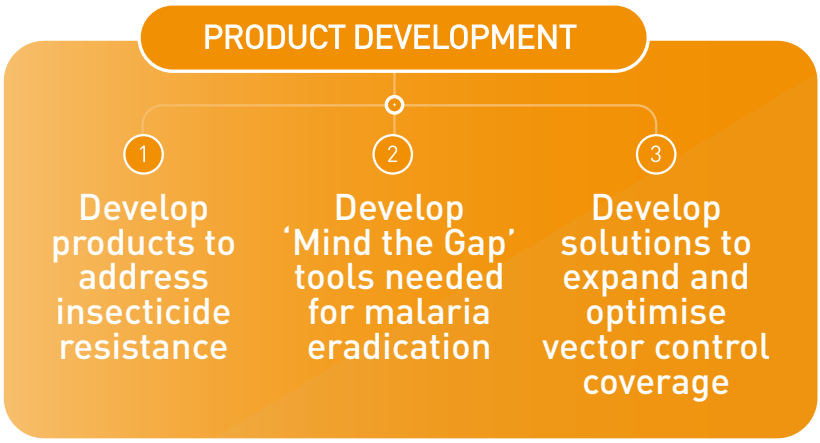
Strategic Objectives

IVCC's goal is to deliver a toolbox of vector control innovations to prevent the transmission of malaria and other vector borne diseases. We do this through eight objectives organised around four pillars:

- **Product Development:** Developing new vector control products to overcome insecticide resistance and address current perceived gaps in malaria eradication such as outdoor transmission
- **Removing Barriers:** Addressing technical, policy, regulatory and operational challenges to accelerate the successful development and deployment of impactful vector control interventions
- **Maximizing Impact:** Maximising product effectiveness through appropriate Insecticide Resistance Management (IRM), Integrated Vector Management (IVM) and Access and market-shaping activities to ensure procurement and impact at scale
- **Operational Platforms:** Building and maintaining the operational platforms needed to support innovation and delivery

OBJECTIVES





PRODUCT DEVELOPMENT

OBJECTIVE 1

Develop products to address insecticide resistance

- Complete the development of Novel AIs for established product classes (LLINs and IRS)
- Develop and bring to market LLINs and IRS that are effective against insecticide resistant mosquitoes
- Evaluate mixtures for dual insecticide LLINs to support IRM principles and best practices
- Screen existing and newly developed insecticides for potential public health use

OBJECTIVE 2

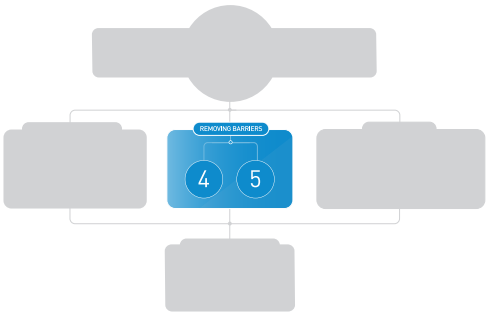
Develop 'Mind the Gap' tools needed for malaria eradication

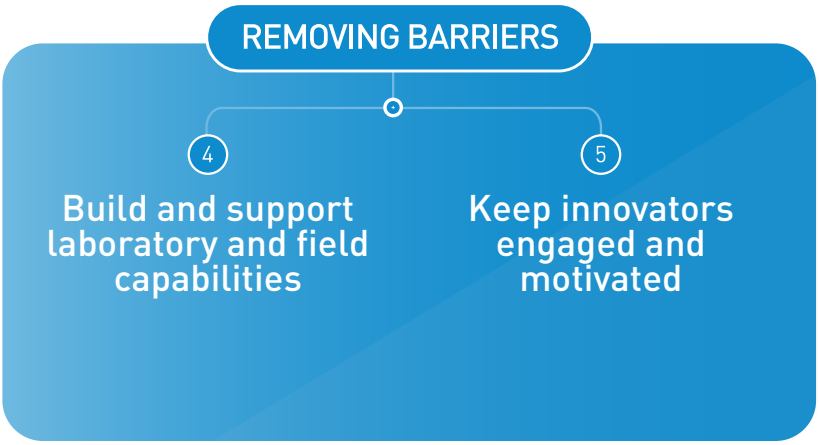
- Identify complementary tools and delivery methods required to achieve malaria eradication
- Demonstrate Attractive Targeted Sugar Bait (ATSB) public health value to prevent outdoor malaria transmission
- Evaluate additional solutions to address outdoor / residual malaria transmission

OBJECTIVE 3

Develop solutions to expand and optimise vector control coverage

- Increase the impact of IRS by reducing costs and improving performance
- Improve the impact and performance of LLINs
- Extend the use of Attractive Targeted Sugar Bait (ATSB) beyond outdoor transmission prevention
- Support surveillance and monitoring to enhance data-driven decision-making





REMOVING BARRIERS

OBJECTIVE 4

Build and support laboratory and field capabilities

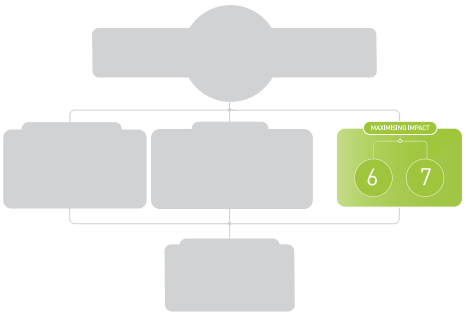
- Maintain technical capabilities within IVCC and with collaborating research organisations and experts to support product development in biology, process chemistry, toxicology and analytical chemistry
- Sustain laboratory and field-testing capabilities including the development of a network of Good Laboratory Practice (GLP) certified trials sites to support product evaluation, registration and approval
- Create a platform to formulate, make and test novel combination AI nets

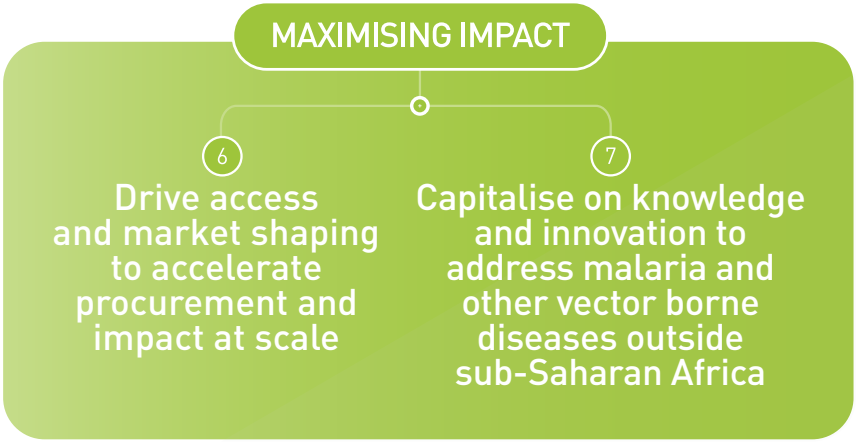
OBJECTIVE 5

Keep innovators engaged and motivated

- Keep partners engaged in the development, manufacture and delivery of vector control products
- Balance partners' economic expectations while meeting Global Access requirements
- Work with partners to support innovative product development for future market evolution
- Support the US legislative effort to develop a Vector Expedited Review Voucher (VERV)
- Leverage industry commitments made through the ZERO by 40 partnership to accelerate malaria eradication
- Advocate for IRM and IVM best practises

OBJECTIVES





MAXIMISING IMPACT

OBJECTIVE 6

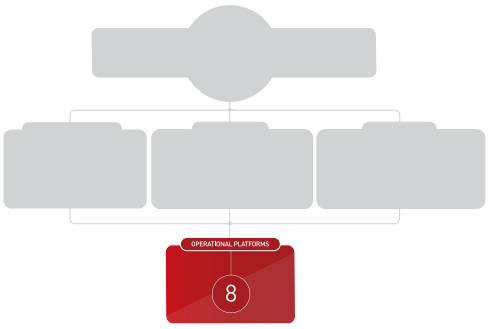
Drive access and market shaping to accelerate procurement and impact at scale

- Align IVCC product portfolio and routes to market across the entire product life cycle
- Catalyse the development of nascent market segments to diversify funding and routes to market
- Minimise time to optimal impact by providing evidence to accelerate regulatory and policy processes
- Design and implement market interventions to accelerate uptake and scale
- Create evidence and models to support the impact-based deployment of vector control technologies
- Drive sustainable management of the products as part of IRM and IVM strategies
- Sustain vector control innovation through confidence in deployment at scale

OBJECTIVE 7

Capitalise on knowledge and innovation to address malaria and other vector borne diseases outside sub-Saharan Africa

- Develop a toolbox of vector control interventions to address the needs of the Indo-Pacific region, both Malaria and NTDs through:
  - Technical, Market Access and Regulatory landscaping reports to guide the development of an adapted vector control toolbox
  - The mapping of regulatory pathways for vector control products
  - The evaluation of products for efficacy and effectiveness in Greater Mekong Subregion and Papua New Guinea
  - Individual product launch plans
  - The assessment of market shaping interventions



OPERATIONAL PLATFORMS

OBJECTIVE 8

Build and maintain IVCC capabilities and expertise

- Adapt organisational structure to reflect IVCC's growth and impact
- Strengthen project evaluation and External Scientific Advisory Committee (ESAC) process
- Secure shared services from the Liverpool School of Tropical Medicine (LSTM)
- Implement effective communication and advocacy strategies across stakeholders to address key policy and regulatory challenges
- Implement strong governance to ensure compliance with stakeholder requirements
- Secure the financial resources to support our portfolio and mission

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