

Exploring Novel Collaborative Research Models and Partnerships

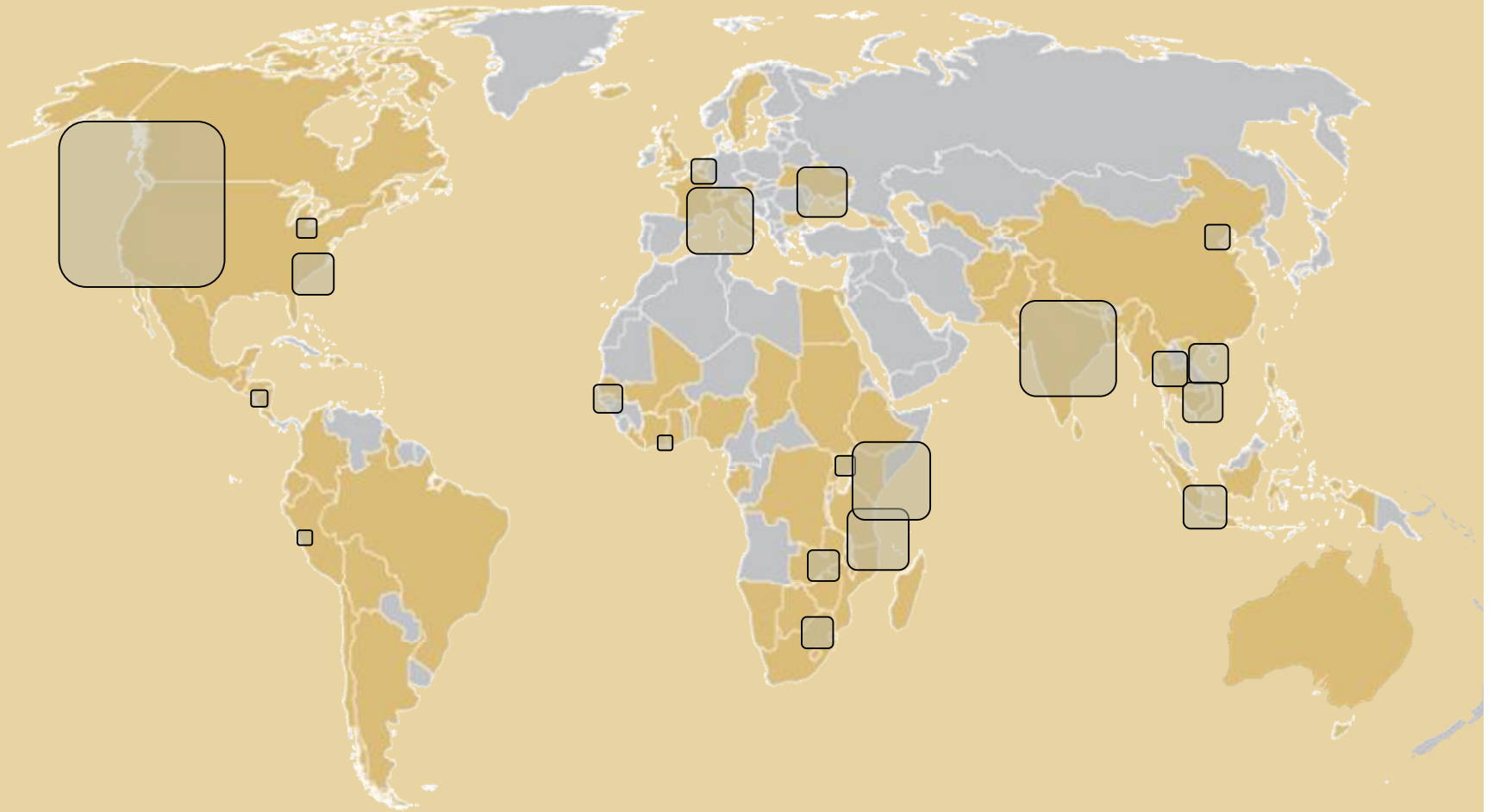
Institute of Medicine: Capacity Building, Knowledge
Sharing, and Innovation in Global Health

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PATH's global presence



PATH is working in countries shaded orange.
Area of square indicates staff per office as of March 9, 2009.

PATH's mission

Advancing technologies

Strengthening systems

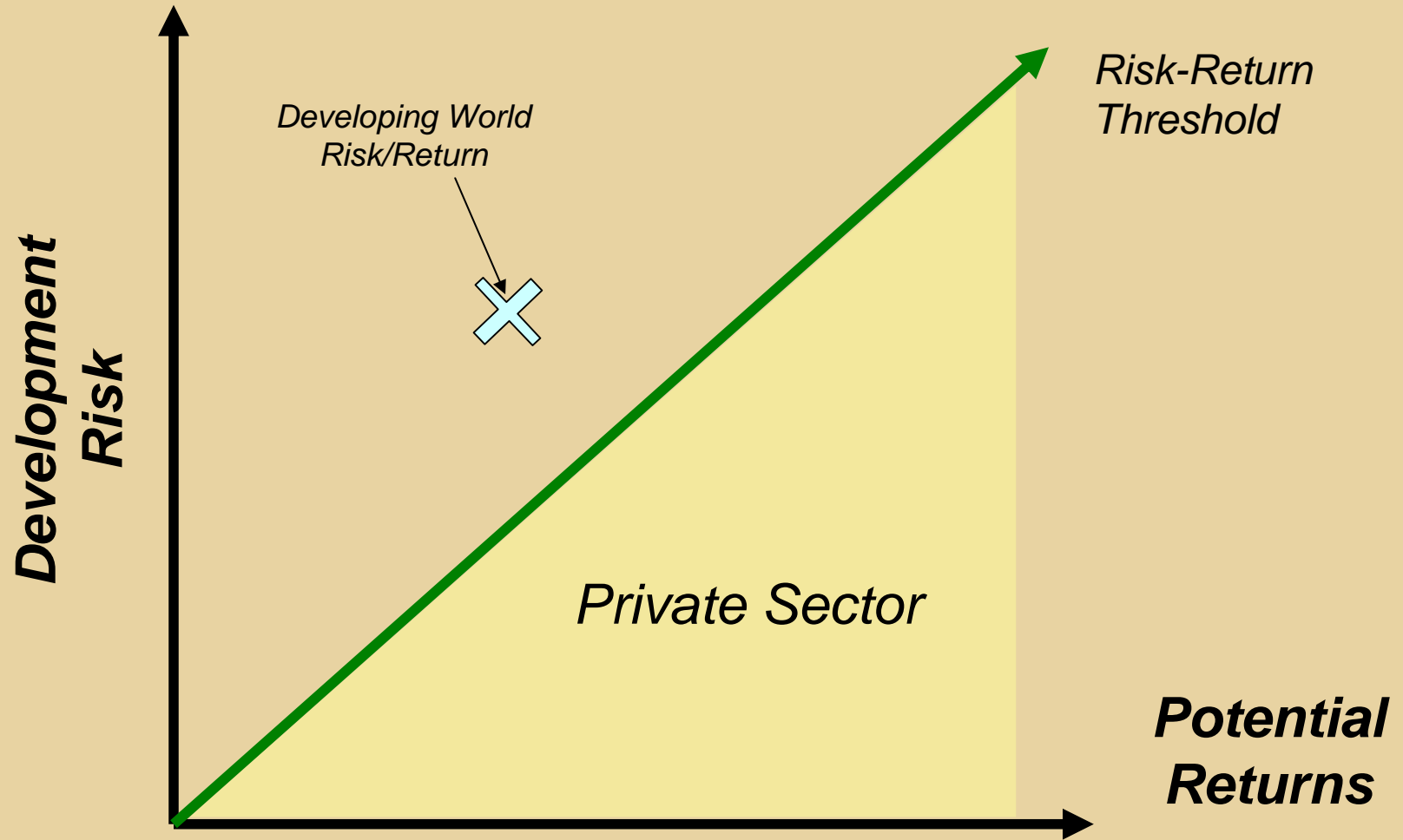
Encouraging healthy behaviors

Global Health Technologies Coalition

Advocates for US support of policies to accelerate R&D of new global health technologies.

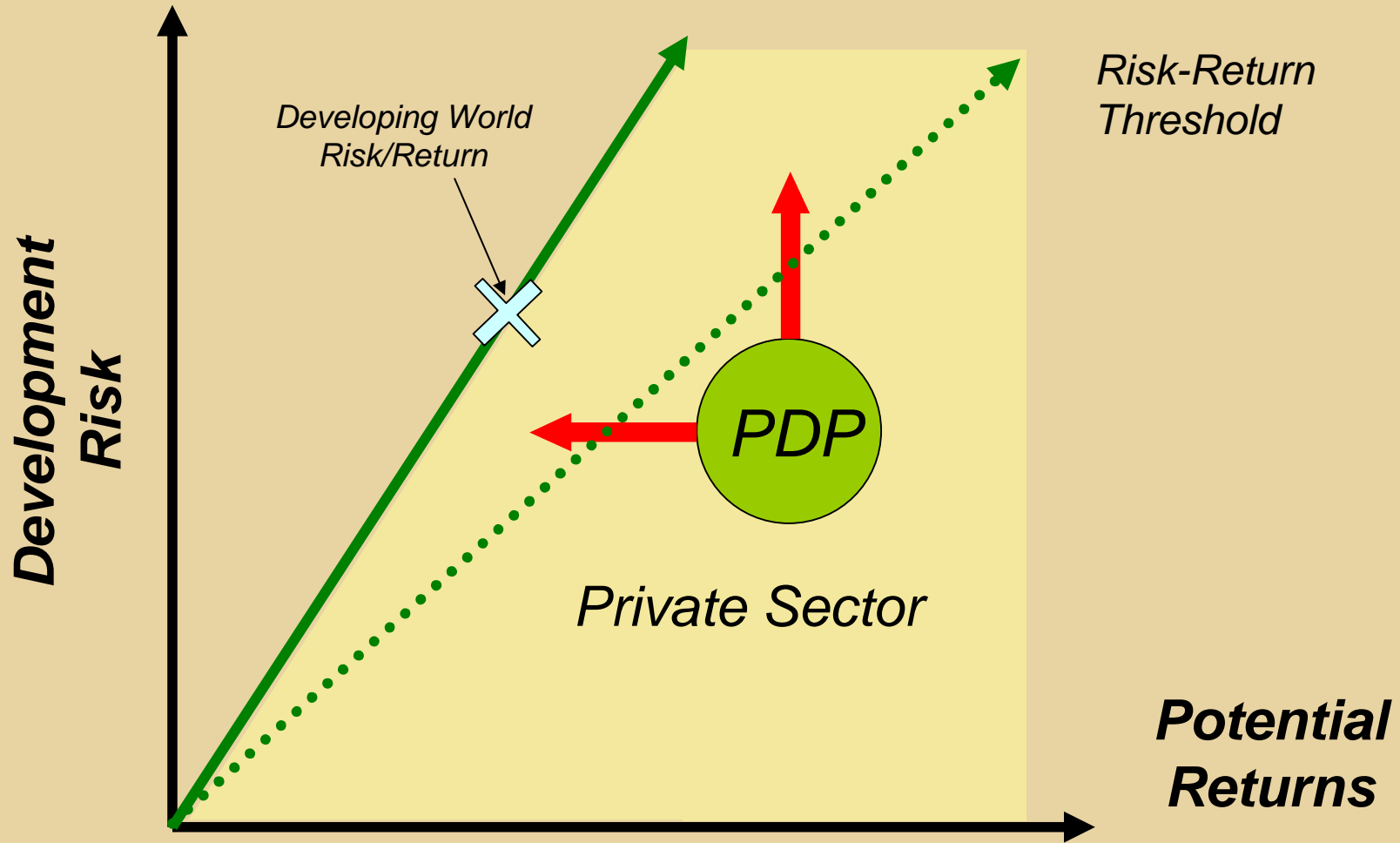


Role of product-development partnerships



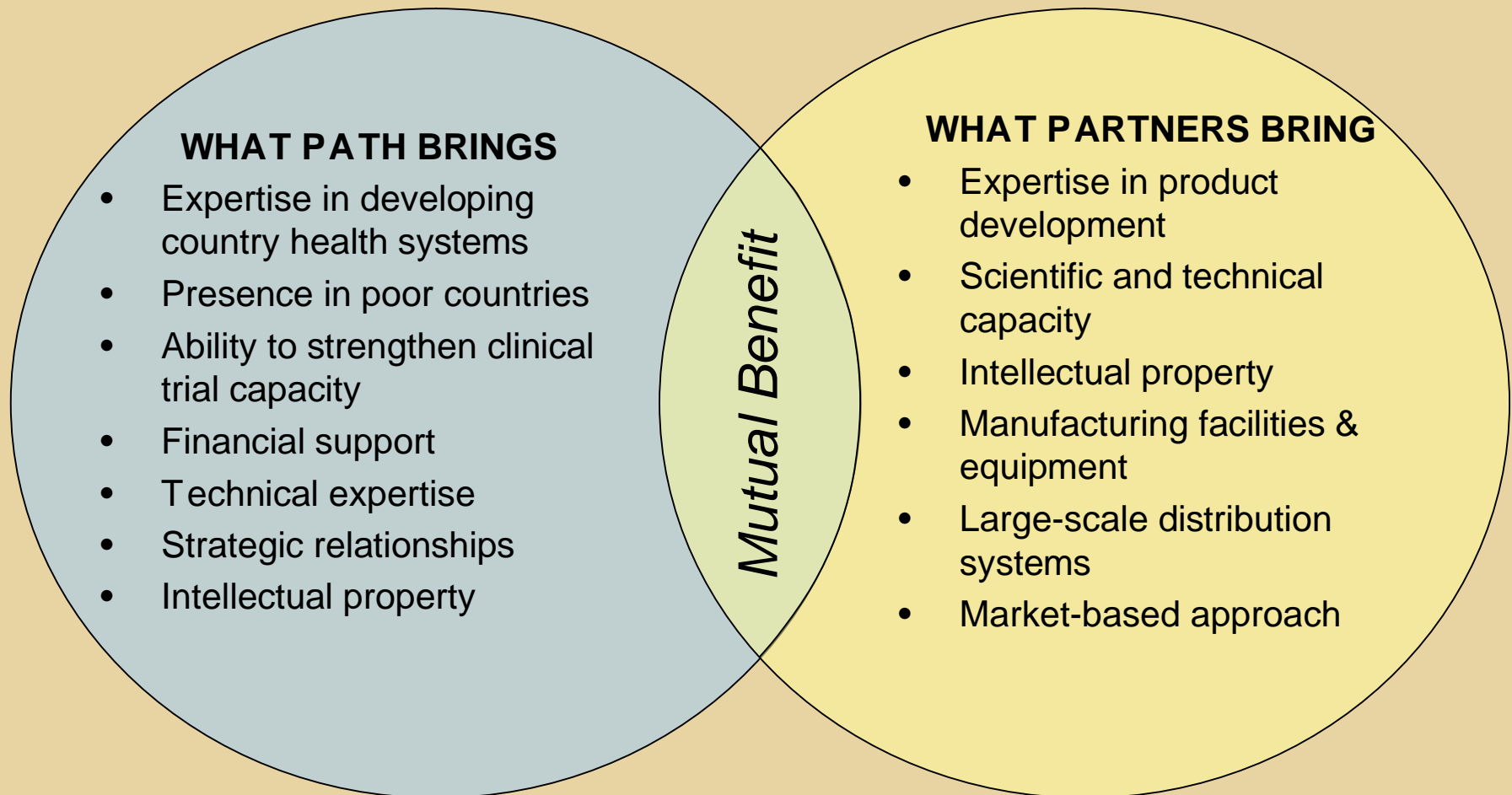
PDP's engage private sector to create public benefit by mitigating risks.

Role of product-development partnerships



PDPs engage private sector to create public benefit by mitigating risks.

Mutually beneficial, collaborative partnerships



Drivers of partnership diversity

Factor

State of Science or Technology

Intellectual Property

Time to Market

Clarity of Market

Distribution System Readiness

Partnership Complexity



Less Risk

More Risk

Example: malaria



Pediatric Coartem for malaria

- § Initiated 2002
- § Launched Feb 2009
- § First product for MMV



RTS,S malaria vaccine candidate

- § Initiated 2001
- § Entering Phase 3
clinical trials 2009
- § First vaccine in Phase
3 for PATH MVI

Other models: pull mechanisms

§ Advance Market Commitments



- § Donors assure vaccine purchases in advance of development efforts.
- § Quantities and prices for target countries negotiated in advance.

§ Priority Review Vouchers



- § Established by FDA in 2007.
- § Upon approval of drug for tropical disease, provides transferrable priority review for any future drug application.

Looking to the future

- § Addressing chronic diseases and dual-market technologies (adaptation).
- § Increasing emerging-country capacity to create less expensive products.
- § Ensuring delivery of products (i.e., cold chain, logistics, decision-making).

Critical for success

- § Collaboration: Strong public-private collaborations.
- § Innovation: Pressing the boundaries of what is possible.
- § Incentives: Push and pull mechanisms.
- § Community engagement: Affected communities, developing country governments.
- § Financing: Robust and long term financing.



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