

Global distribution of WSSV

Data shows year of first report:
39 countries/province

- 1992
Taiwan Province of China
- 1993
China, Japan, South Korea
- 1994
Bangladesh, India, Indonesia,
Malaysia, Thailand
- 1995
Greece, United States of America
- 1999
Cambodia, Colombia, Ecuador, Guatemala,
Honduras, Mexico, Nicaragua, Panama, Peru,
Philippines, El Salvador
- 2000
Australia, Spain
- 2001
Brunei, Iran
- 2002
France
- 2005
Brazil
- 2008
Argentina
- 2009
Egypt
- 2010
Myanmar,
Saudi Arabia
- 2011
Mozambique
- 2011
Iraq
- 2012
Madagascar

OVER 30 YEARS OF LOSSES FOR THE FARMERS



Data sources: WOAHP notification; scientific and grey literature;
technical reports; industry information, etc.

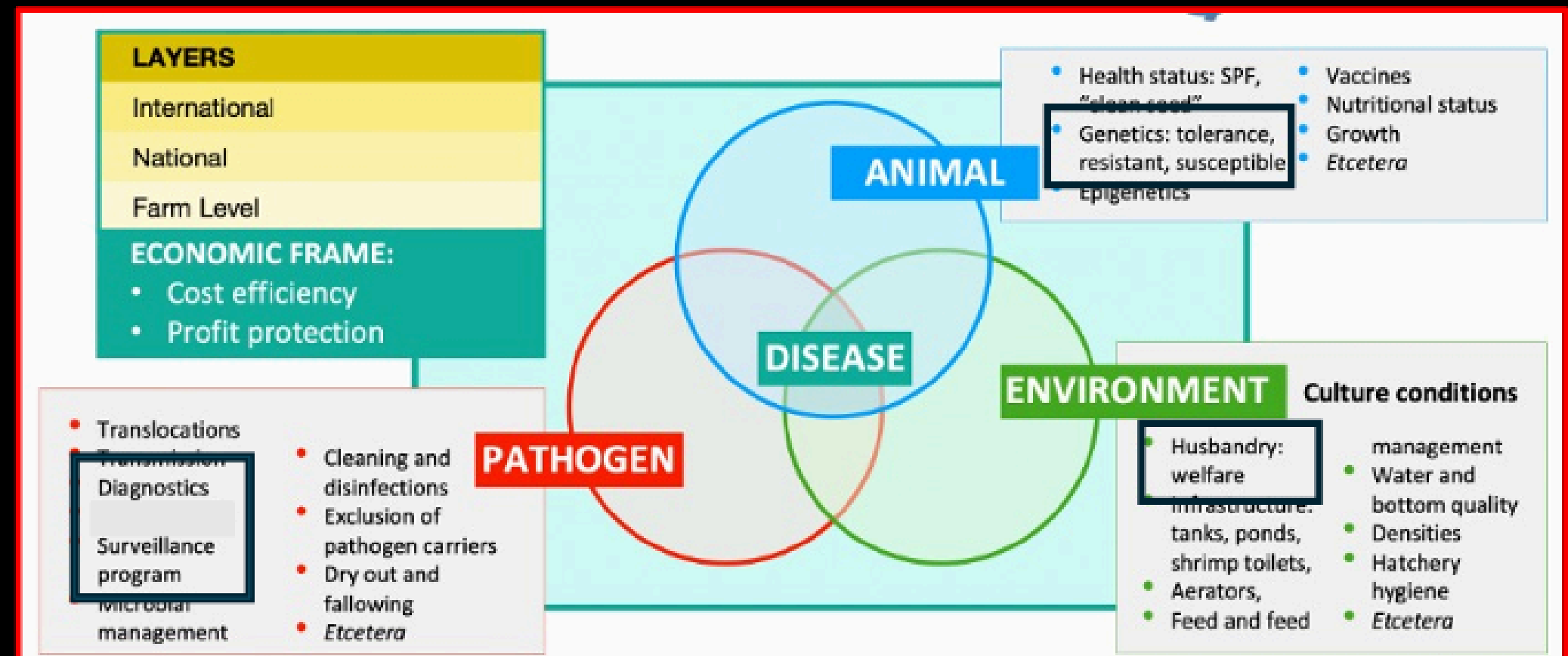
Reantaso, M., 2025, FAO

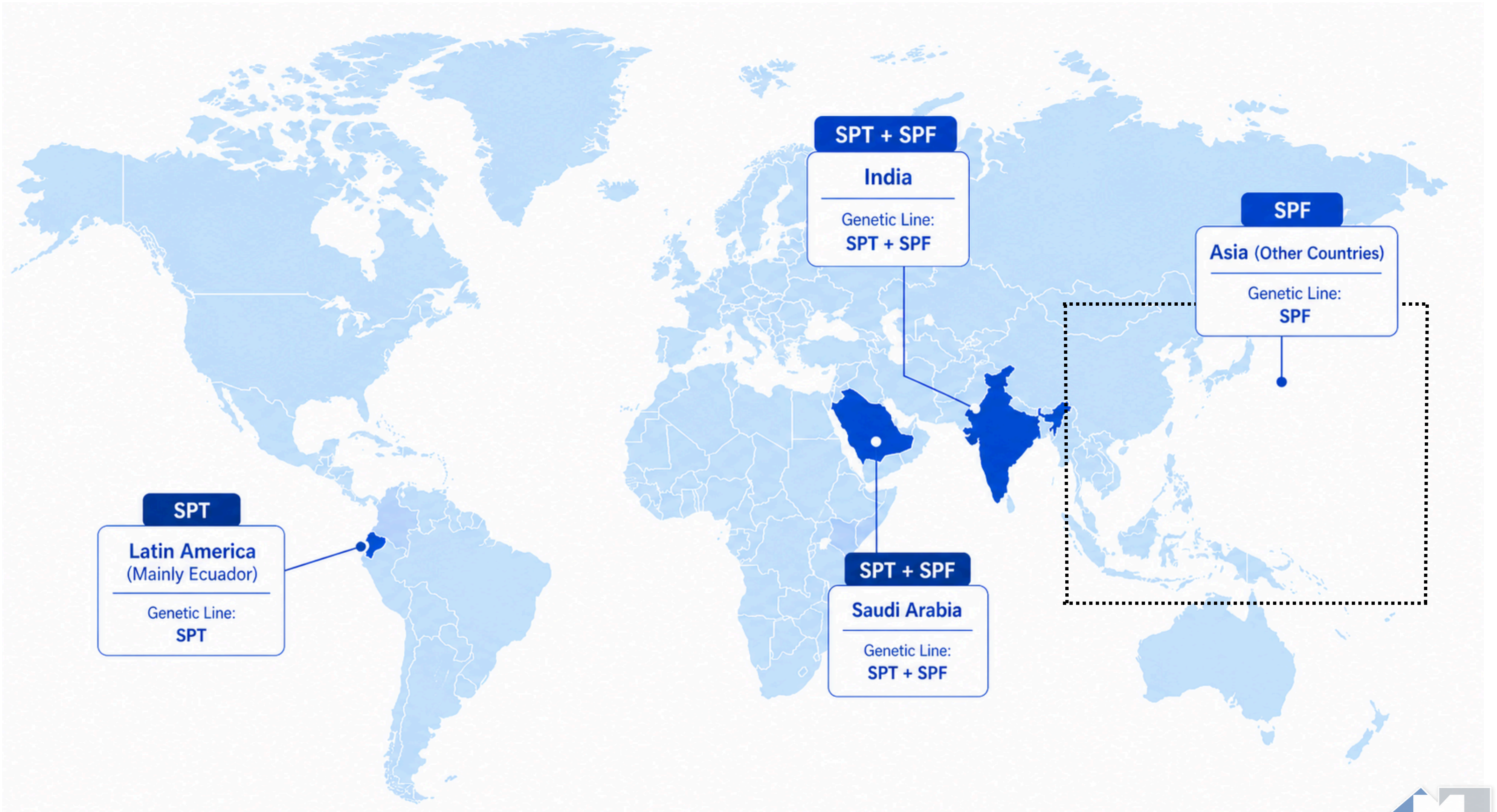
What is biosecurity in aquaculture?

PMP/AB (FAO): Biosecurity is the cost-effective management of risks presented by pathogenic agents through a strategic approach at farm, national and international levels with shared public and private responsibilities.

DISEASES CANNOT BE SOLVED ONLY THROUGH BIOSECURITY

IT IS ABOUT COMBINING STRATEGIES FOCUSING ON MAIN RISKS AND BEING COST-EFFECTIVE





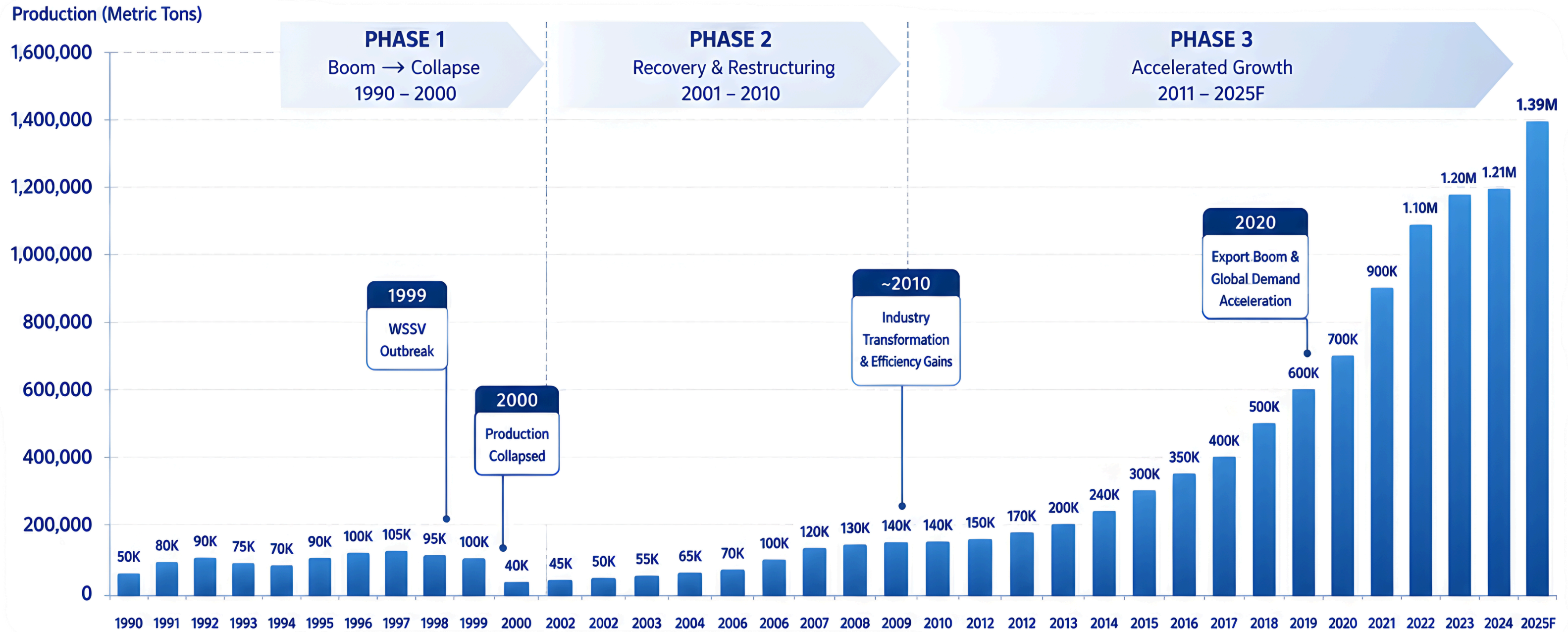


ECUADOR SHRIMP PRODUCTION TREND

1990 - 2025F (Metric Tons)



2025F PRODUCTION
1.39M TONS
Global Leader in Shrimp



1990-2000

High growth followed by WSSV impact and sharp decline



2001-2010

Gradual recovery and industry restructuring



2011-2025F


Strong and sustainable growth driven by biosecurity, efficiency, and global demand

CAGR (2010-2025F)


~14%



THE WORLD CAN'T WIN WITH BIOSECURITY ALONE

01  **ECUADOR USES GENETICS → SURVIVE**

02  **INDIA USES MARKETING TO EXPAND MARKETS**

03  **THAILAND STILL BELIEVES 🗑️ "NO DISEASE = SUCCESS"**



DISEASE = UNAVOIDABLE
BIOSECURITY = NOT ENOUGH



 **THE FUTURE BELONGS TO THOSE WHO COMBINE STRATEGY, SCIENCE, AND ACTION.**

 **GENETICS** |  **MARKETS** |  **BIOSECURITY**



THAILAND IN THIS GAME



The highest cost
compared to competing countries

~290k MT

2024 output



High disease risk
affects yields and increases
costs for farmers

250–270k MT

2025 output



When production is not stable,
market access and pricing power
are harder to achieve

>600k MT

Peak history



01 GENETICS
(SPR/SPT + SPF)

02 FARM MANAGERMENTS
(SOFT BIOSECURITY)

03 MARKETS

