

THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

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Aquaculture and Agriculture: Exposing the Nexus between Mangrove Deforestation, Climate Change, and Modern Slavery in Southeast Asia A Comparative Case Study of Indonesia's Palm Oil and Thailand's Shrimp Aquaculture Industries



01. Introduction



The mangrove forests of Southeast Asia play a vital role in providing ecological, economic, and social benefits to the world. 35% of the world's mangroves are destroyed. In Southeast Asia, the primary drivers of this loss—exceeding 50%—stem from aquaculture and plantation expansion.



23.9M people are displaced due to climate disasters. Between 2006 and 2016, around 26% of the economic costs of climate-related disasters in developing countries came from agricultural losses and fishery depletion.



The relentless pursuit of profit-driven expansion leads to economic strains from diminishing returns.

Today, multinational corporations and local enterprises alike engage in unsustainable extraction practices, exacerbating mangrove clearing in Southeast Asia.



1 out of 150 people are ensnared in modern slavery worldwide. The Asia-Pacific region hosts the highest absolute number of individuals in forced labor, totaling 15.1 million, comprising 55% of the global figure.

02. Research Question

Which factors account for the connections between mangrove deforestation, climate change, modern slavery, and capitalistic practices in the Indonesian palm oil and Thai shrimp aquaculture industries?

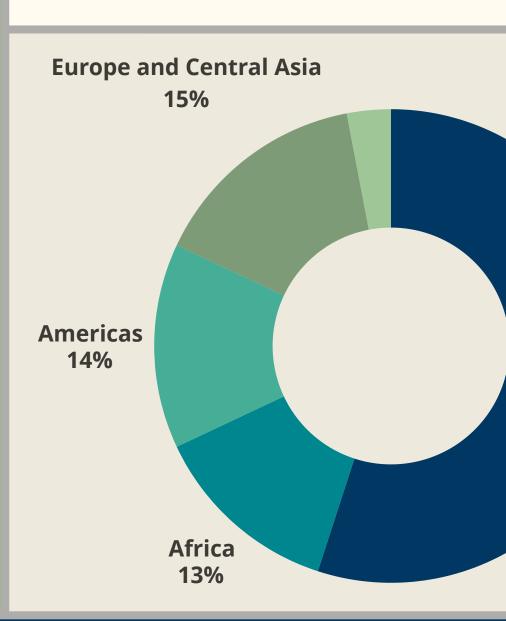
This research seeks to propose holistic solutions to address the root causes of these interconnected issues.

What is modern slavery?

Modern slavery involves illegal coercion and control, forcing individuals into labor or marriage against their will.

Why the selection of the case studies?

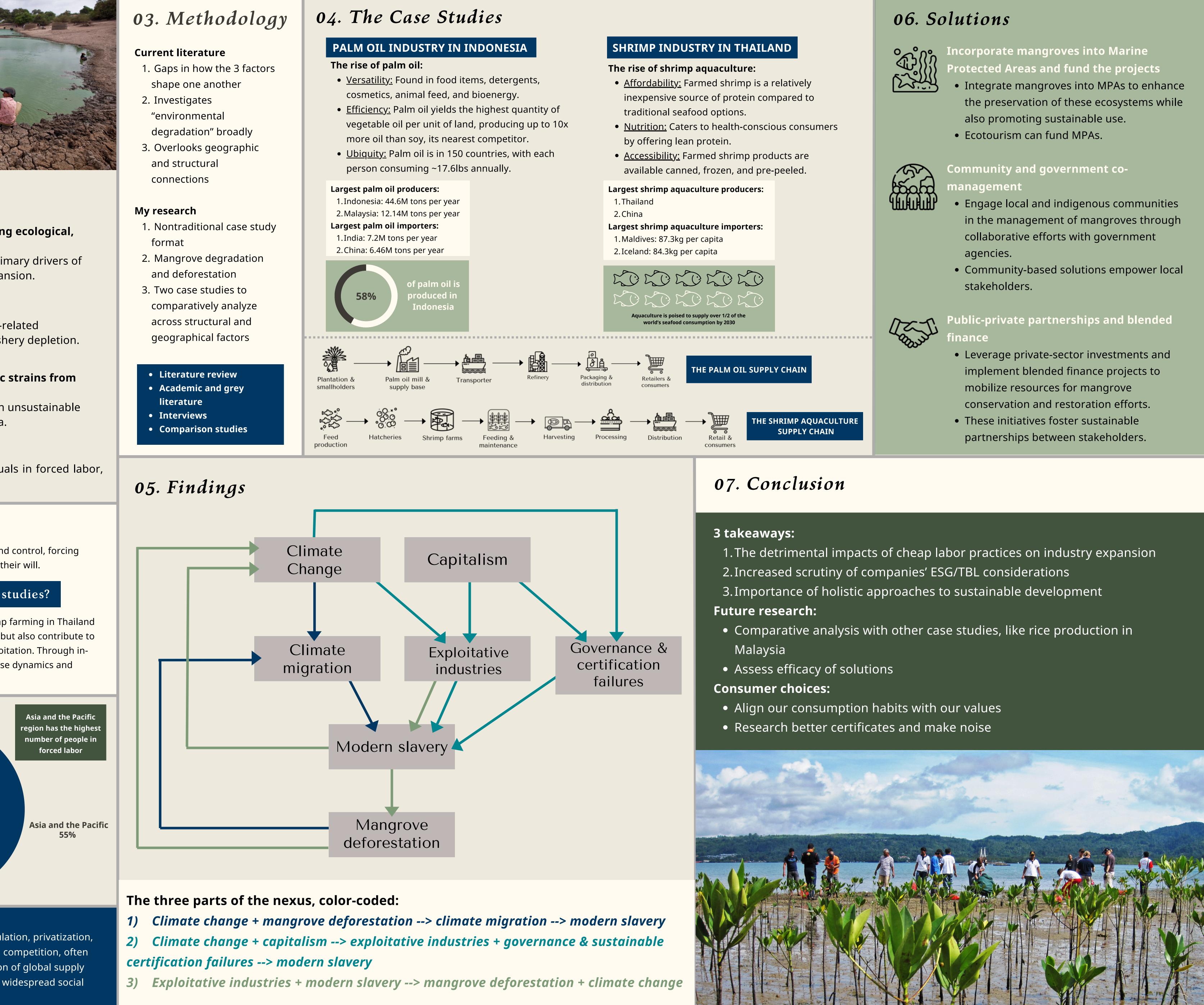
Palm oil extraction in Indonesia and shrimp farming in Thailand play pivotal roles in the region's economy but also contribute to environmental destruction and labor exploitation. Through indepth analysis, this research uncovers these dynamics and proposes solutions.

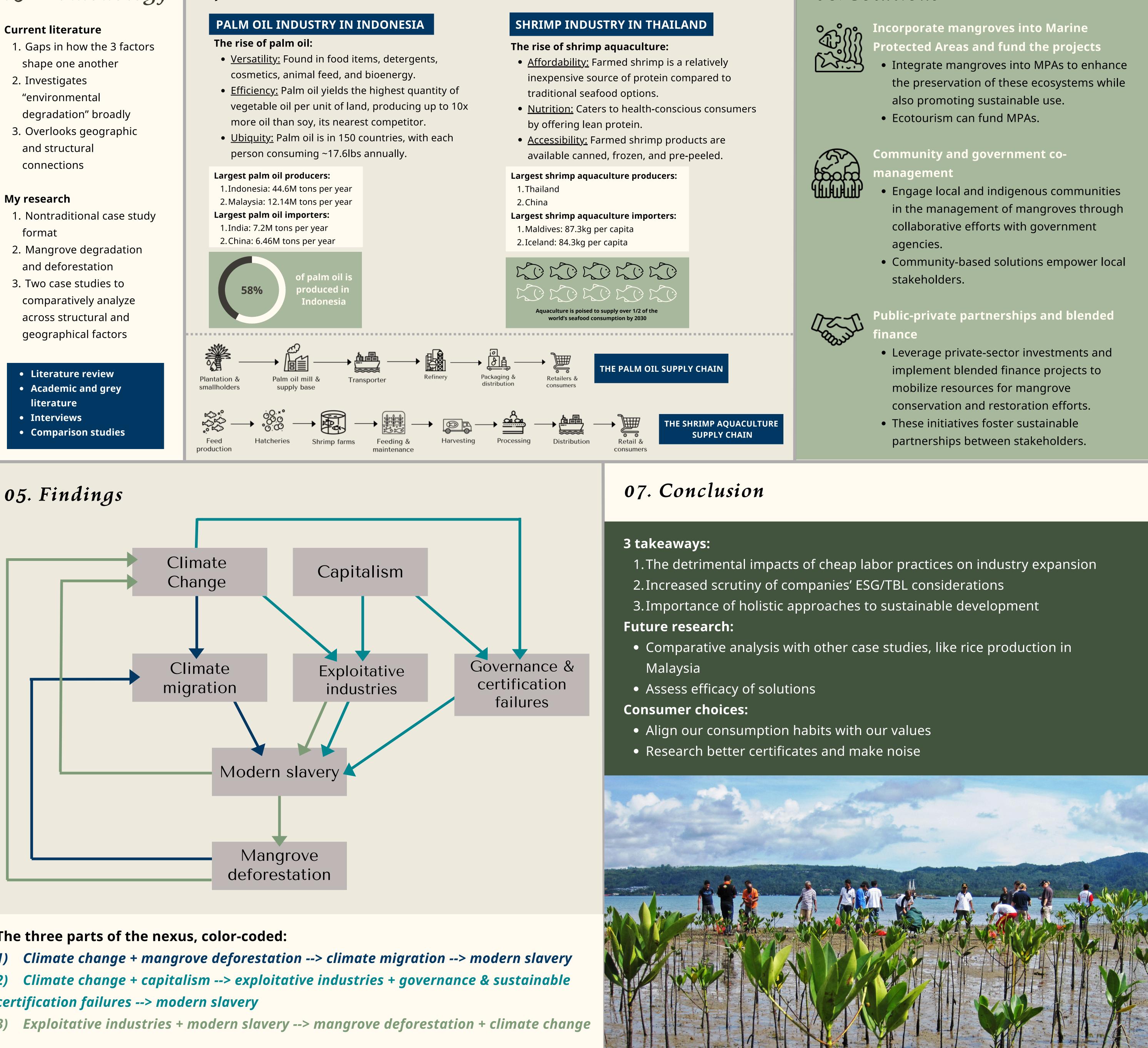


What is neoliberalism?

Neoliberalism is an economic and political ideology emphasizing free-market capitalism, deregulation, privatization, and minimal government intervention in the economy. It promotes individual responsibility and competition, often resulting in wealth concentration and social inequality. Additionally, it has fueled the proliferation of global supply chains, notorious for their exploitation of labor and environmental degradation, contributing to widespread social and environmental harm worldwide.

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