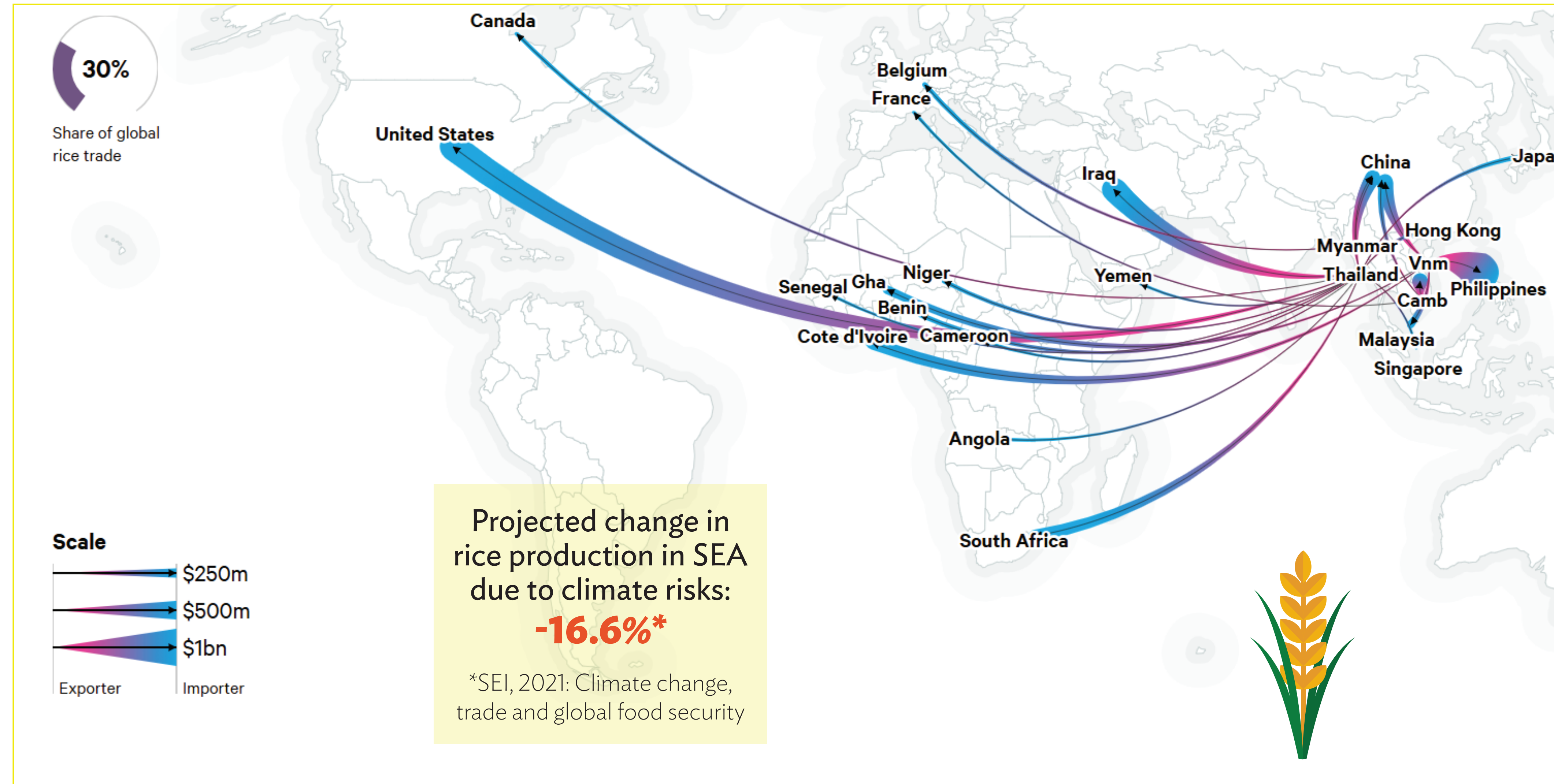




Transboundary Resilience in Southeast Asia's Rice Trade

Cross-border impacts of climate on rice production & trade



Context

Southeast Asia's share of global rice trade: 30%

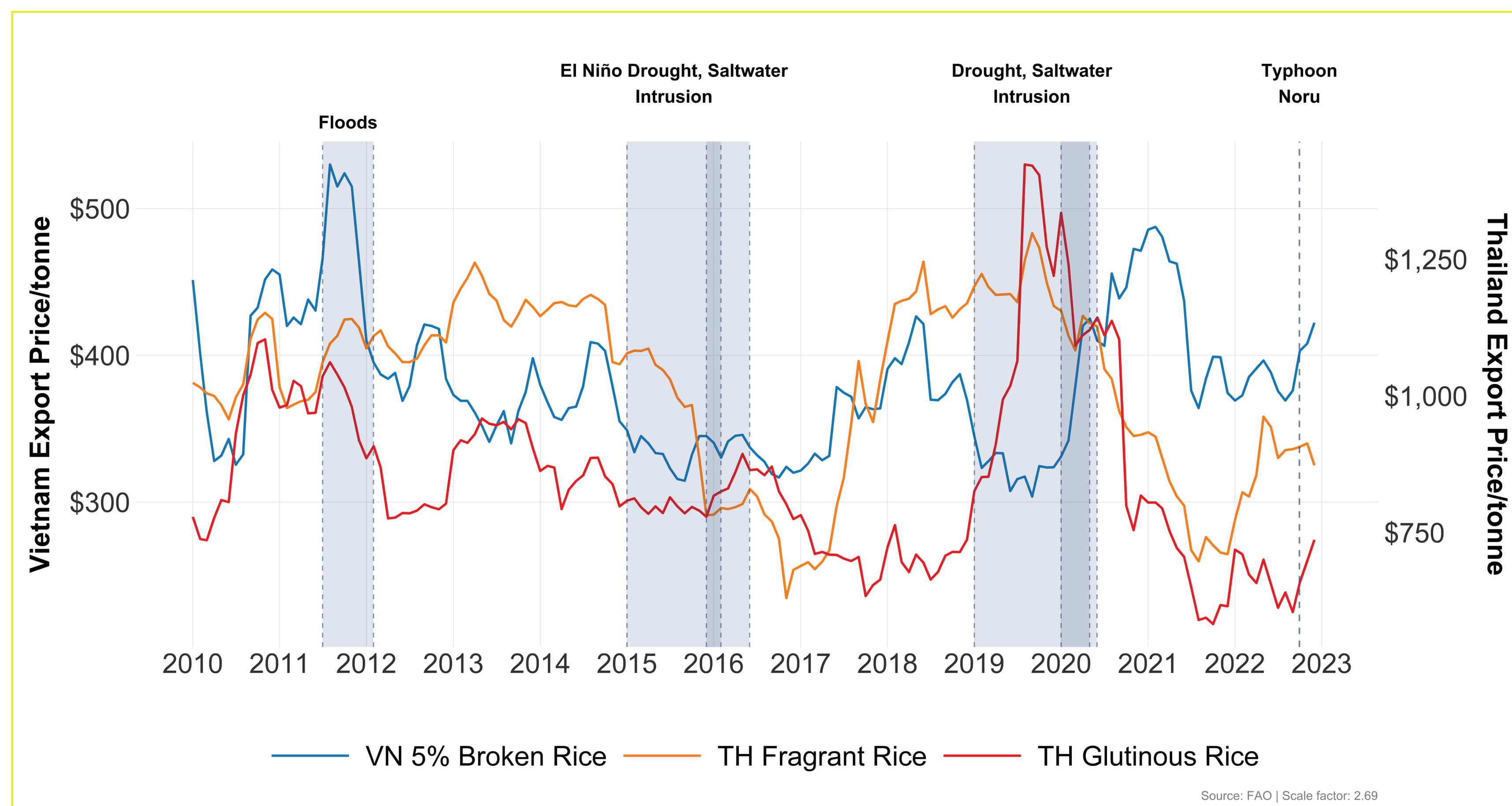
This creates important economic linkages between countries in the region.

Cross-border Climate Impacts

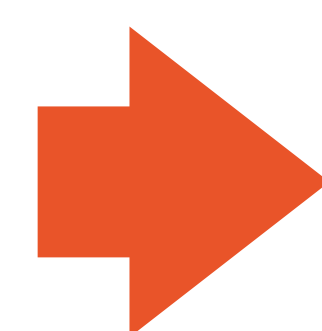
Climate events in one country affect rice supply and trade flows across national borders. Export bans and price volatility may emerge.

Importer Vulnerability

Import-dependent consumer countries face risks due to disruptions in regional rice supply chains.



Climate risks transcend borders



- Crop losses
- Global price volatility
- Disrupted supply chains and trade flows
- May trigger food shortages

Solutions for building resilience

UPSTREAM VALUE CHAIN INVESTMENTS



Climate-smart ag-practices

- Drought-resistant seeds
- Alternate wetting and drying (AWD) methods
- Diversifying crop varieties & sustainable farming



Financial tools for adaptation

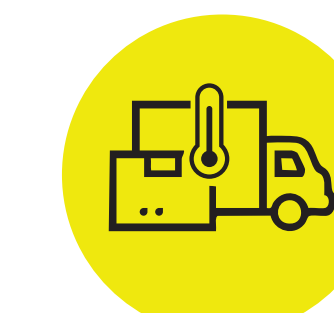
- Financial inclusion of farmers through savings and credit tools
- Weather-linked insurance for risk management

Has mitigation co-benefits; builds resilience and protects farmer livelihoods

DOWNSTREAM VALUE CHAIN INVESTMENTS



Aligning milling and processing technologies with shifts in crop production



Resilient transport and storage infrastructure

Growth and expansion opportunities for farmer cooperatives and producer groups, protects from post-harvest losses

CROSS-CUTTING INVESTMENTS



- Regional early warning systems, climate forecasting
- Supply chain tracing and information systems

Challenges & Opportunities



Lack of supply chain traceability

Investing in granular, high-quality data collection processes can spur investment and credit flows to small farmers.



Limited incentives for private sector investment

Finding innovative financial models to incentivize private sector players is key to successful adaptation planning.



Complexity of harmonizing information standards across region

Need to work towards shared data and technology platforms; harmonize standards for easier information, investment and product flows across the region.