

Presentation for CAA International Cocoa Conference 1 September 2022



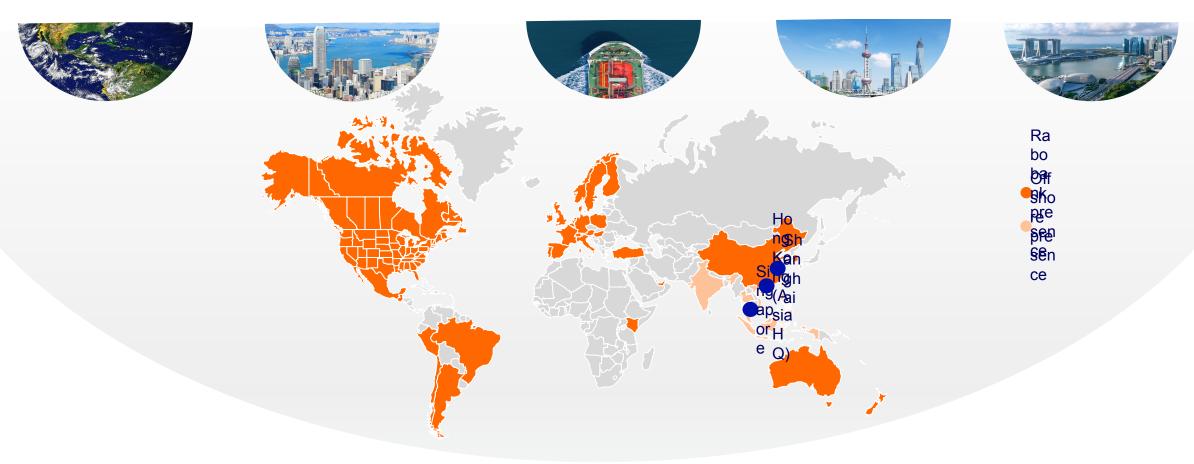
Content Page:

- 1. Introduction to Rabobank
- 2. Asian cocoa & cocoa ingredients supply
- 3. Asian cocoa ingredients and chocolate confectionary demand
- 4. Global cocoa prices development

1. Introduction to Rabobank

Connecting you to our global network

Presence in 35 countries and in the top global F&A regions, serving all players in F&A value chain. Through our offices in Asia, we cover two key axes of growth – Greater China and Southeast Asia.



Sustainability and Climate Change are high on our agenda

- Rabobank first reported on sustainability in 1998.
- In 2020, Rabobank published its first climate report highlighting our approach, progress and goals for the future.
- 'Our Impact in 2021' report gives a preview of 'Our Road to Paris' approach.



The cooperative Rabobank 🎄

Our Road to Paris



We have chosen to focus on these 8 SDGs ,which we believe we can make meaningful contributions to, also taking into account our mission of growing a better world together.











Our Capabilities: a comprehensive product suite supporting our client's

ambition

M&A Advisory

Financial Advisory & Solutions capabilities

Extensive industry knowledge

Lending

Core Lending

Debt

Capital Markets

Products

Wide scope of professional products

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Equity Capital Market capabilities

- · Focusing on client's growth agenda.
- Leading Food & Agri M&A franchise globally
- Significant experience in structuring transactions and advising on optimal balance sheet structures
- Highly experienced team based in all key geographies, supported by deep Food & Agribusiness sector knowledge from RaboResearch
- Global Lender for multiple financing solutions
- Short-term and long-term loans, guarantees, export/import related products and other forms of financing structures, fit to service the (corporate) clients' needs.
- Sustainable financial solutions such as Sustainability Linked Loans
- Raising solutions in the public and private debt and equity markets, including syndicated loans, private placements, high grade and high yield bonds
- Sustainable financial solutions such as green bonds
- Value Chain Financing
- Corporate Risk & Treasury Management
- Acquisition Finance
- Trade & Commodity Finance
- Project Finance
- Experienced origination and execution team, with a global focus and execution capability

Leveraging our extensive Food & Agri knowledge providing sector-based financing solutions

Rabobank offers sector based finance solutions by bringing together our global sector knowledge, our client insights and seamless execution

Farm inputs

- Agro chemicals
- Animal nutrition & health
- Equipment
- Fertilizers
- Seeds



Grains, Oilseeds & Soft Commodities

- Wheat, corn, soybeans
- Palm oil
- Sugar
- Coffee
- Cocoa



Animal protein

- Pork
- Beef
- Seafood
- Poultry



Dairy

- Milk
- Milk derived products
- Beverages



Consumer foods

- Food Services
- Bakery
- Confectionery
- Grocerv
- Other value added processing



Beverages

- Beer
- Coffee
- Juices
- Soft drinks
- Spirits
- Wine



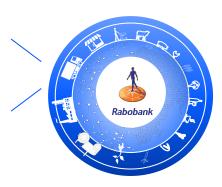
Supply chain

- Food Logistics
- Food Packaging
- Distribution
- Retailer



Specific F&A sector knowledge brought by 90+ dedicated research professionals globally

Dedicated Global Sector teams bringing forward global, regional and local knowledge and expertise



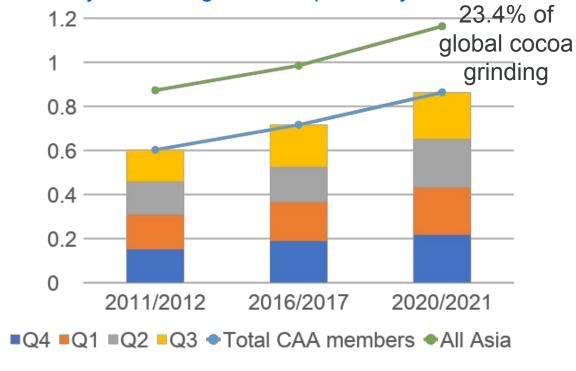
Exclusive client insights, deals and solutions, driven by our knowledge of clients and F&A sectors

Global network of bankers and product specialists to support clients and providing seamless execution

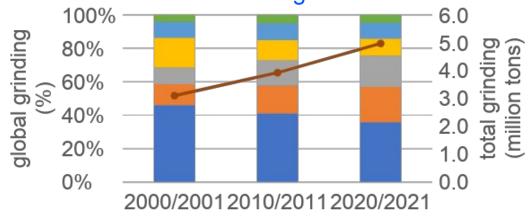
2. Asian cocoa & cocoa ingredients supply

Asia is a significant player in global cocoa processing industry

Cocoa processing activities in Asia have been constantly increasing over the past 10 years



Asia's market share of global cocoa grinding activities has been increasing

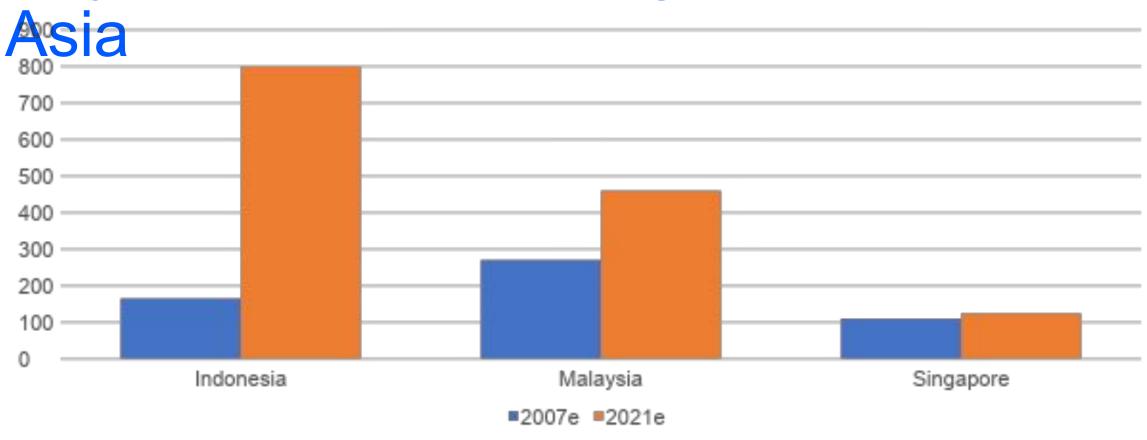




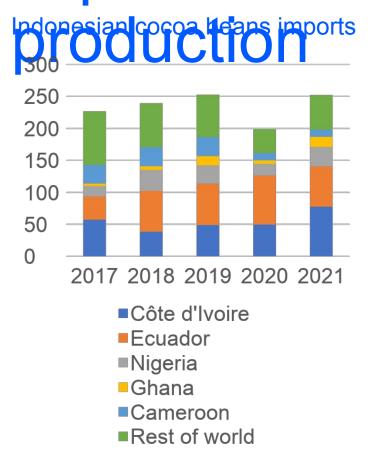
North America

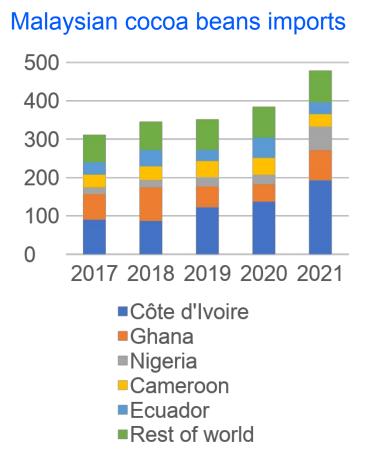
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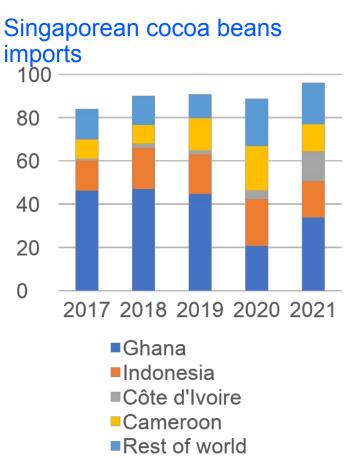
Indonesia, Malaysia and Singapore are major cocoa processing locations in SE



SE Asian cocoa processors need to import cocoa beans due to lack of local



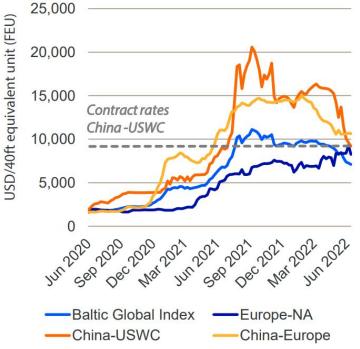




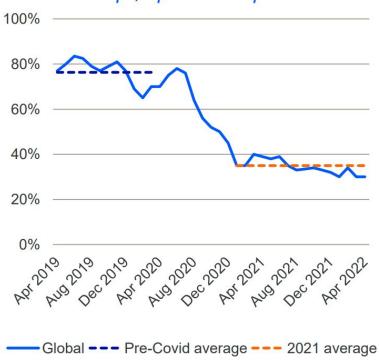
Challenging container freight conditions to stay

Container spot rates have subsided significantly from 2021 peaks, except the trans-Atlantic lane from Europe to North America due to strong market demand on that lane and port congestion. We do not expect rates to fall back to 2020 levels. Schedule reliability will recover, but slowly. Congestions are expected to remain at key ports until 1H 2023.

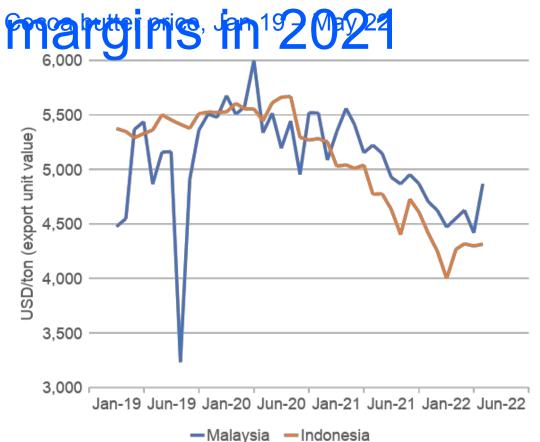
Container rates price evolution in major global lines, June 2020-June 2022 25.000



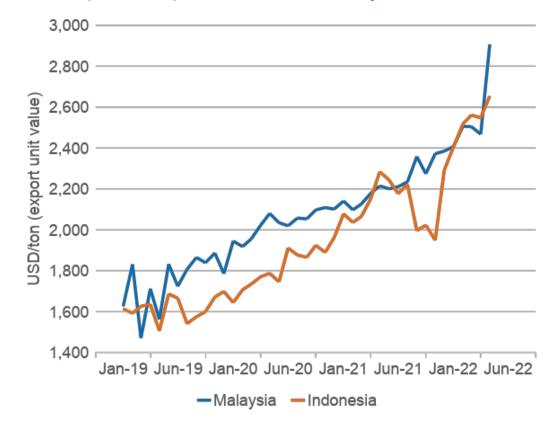
Percentage of on-time arrivals of container ships, April 2019-April 2022



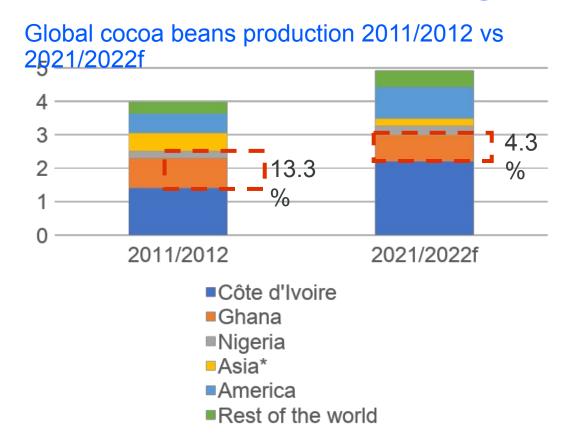
High freight costs and declining cocoa butter prices environment affected processing

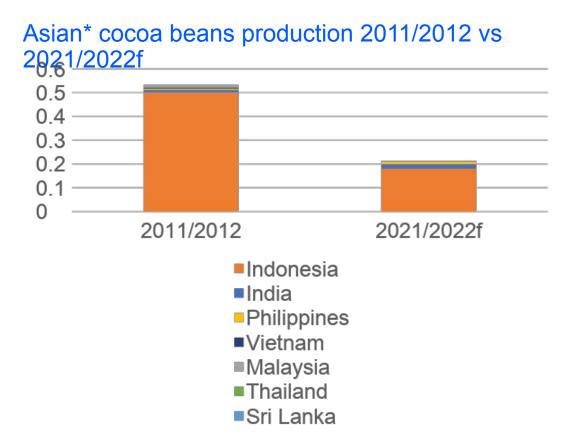






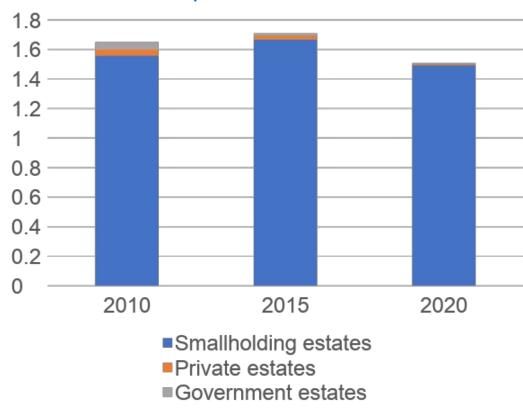
Cocoa beans production in Asia has been in declining trend





Indonesia: lack of investment in the sector regarding replanting

Indonesian cocoa plantation area, 2010 - 2020

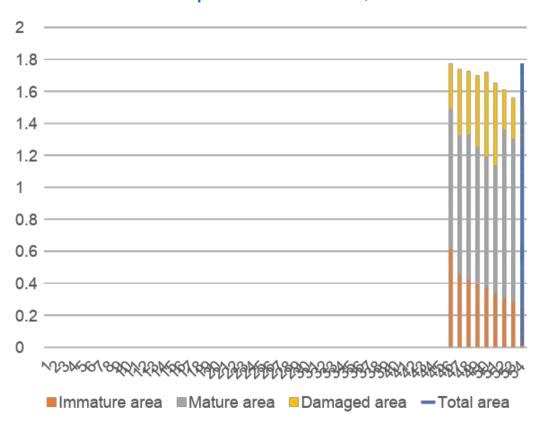


Challenges of Indonesian cocoa production

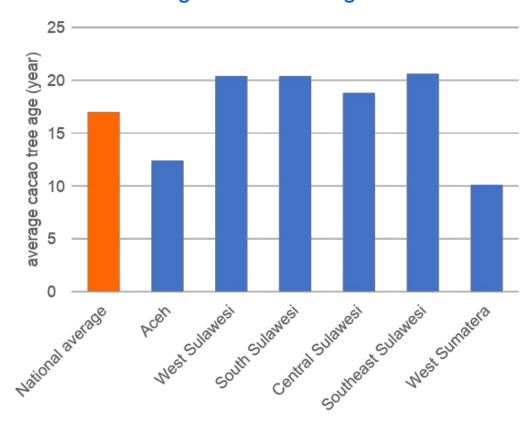
- One of the biggest bottleneck in Indonesian cocoa sector is low yield, which is triggered due to:
 - Lack of knowledge/ technical expertise (including pest and disease management) in smallholder farmers (>95% of Indonesian cocoa plantations)
 - Lack of investment in the sector regarding replanting (to replace aging trees).
- Smallholders have limited access to financing (to buy farm inputs, i.e. seeds, fertilizer, etc.) and access to market.
- Low and varying quality of fermented cocoa beans produced by smallholder farmers due to farmer's lack of knowledge and skills in carrying out the fermentation process, apart from the insufficient fermentation facilities.

Indonesia: plenty of aging cocoa trees

Indonesian cocoa production area, 1967-2020

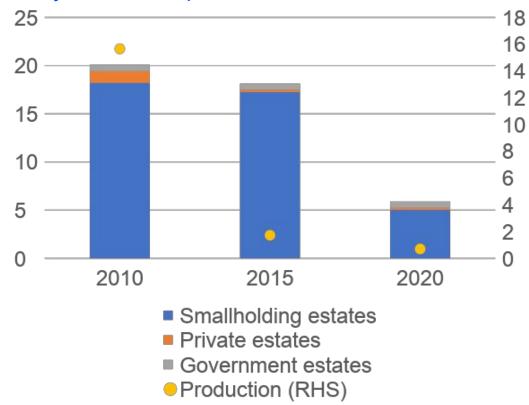


Indonesian average cocoa tree age in 2017

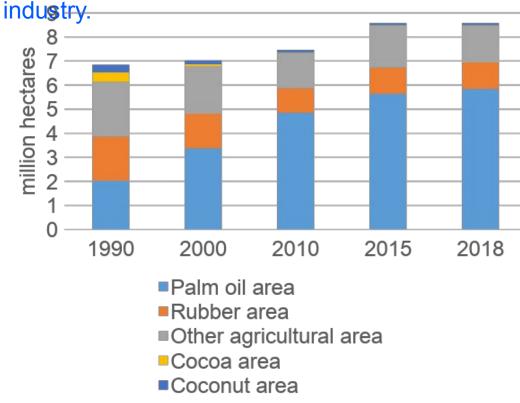


Malaysia: Substantial shrinkage in cocoa cultivation area

Malaysian cocoa plantation area, 2010 - 2020

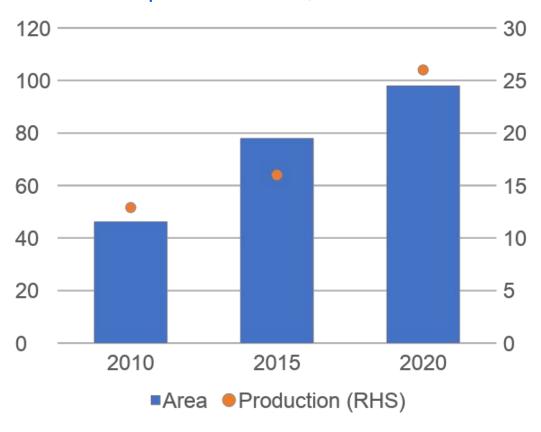


Expansion of oil palm plantation area in Malaysia has led to the exit of cocoa producers from the

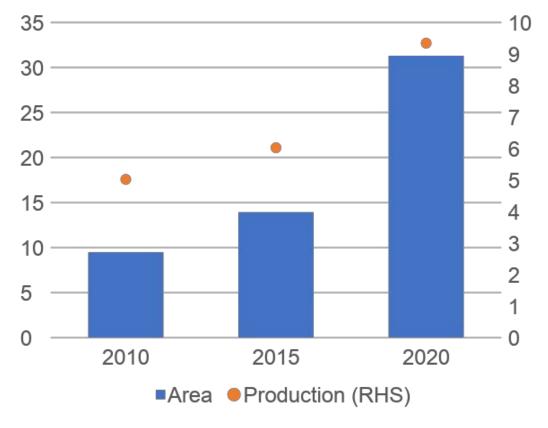


India and Philippines: Cocoa production yield could still be increased

India's cocoa plantation area, 2010 - 2020

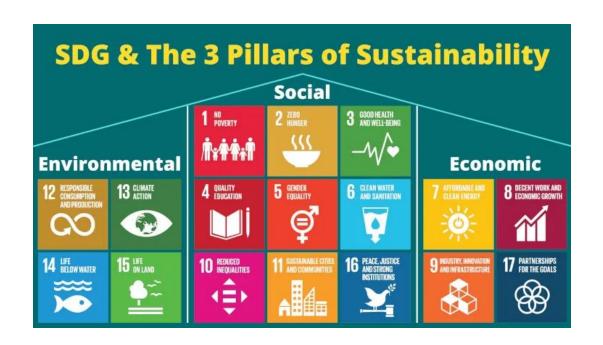


Philippines' cocoa plantation area, 2010 - 2020

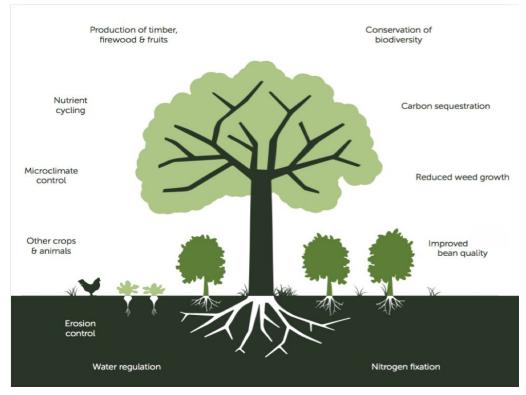


The need to increase cocoa production yield in Asia in sustainable ways

Three pillars of sustainability

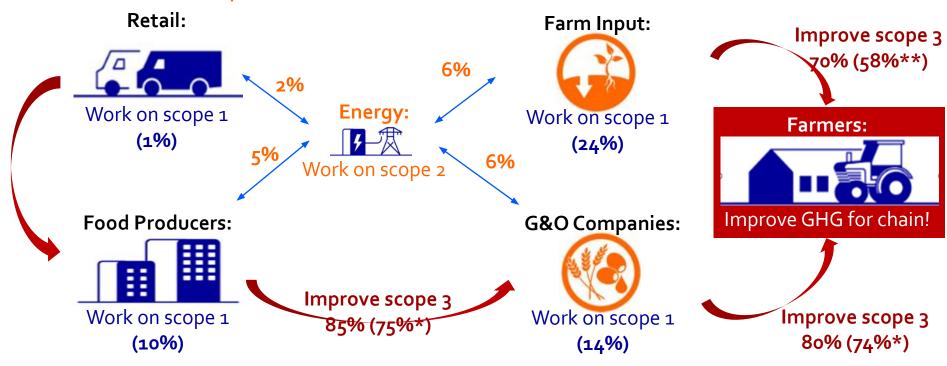


Climate resilience: Benefits examples of agroforestry in coffee



Supply Chain Expects Farms to improve emissions for the Whole Chain

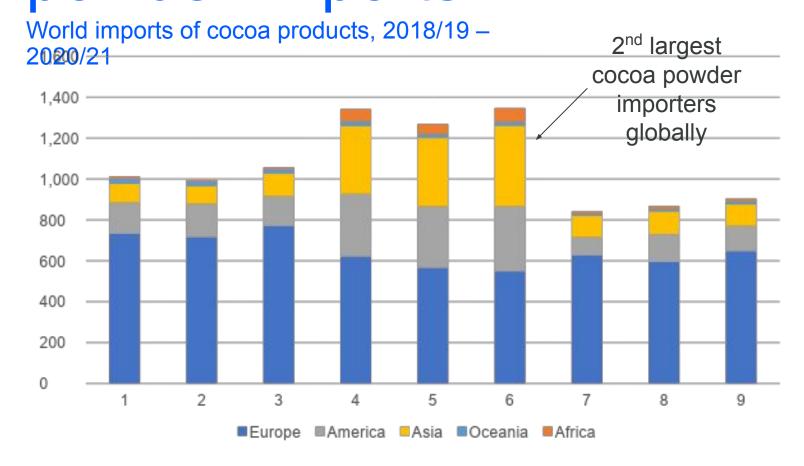
Example from Grains and Oilseeds supply chain: Each player improves their scope 1 & 2 emissions, but all eyes are on farmers for scope 3



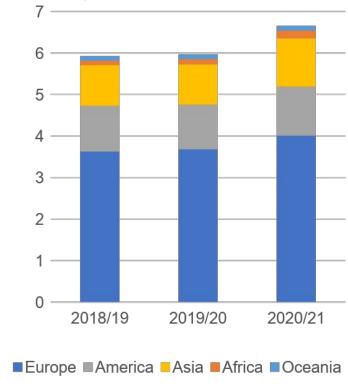
*) % in brackets are scope 3 emissions related to 'Purchased Goods' **) to 'Use of Sold Products'

3. Asian cocoa ingredients and chocolate confectionary demand

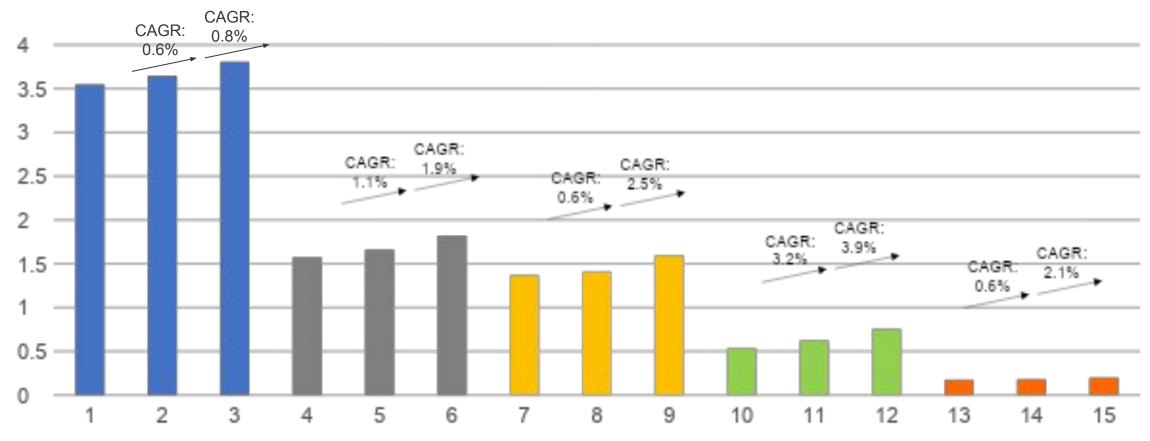
Asia accounts for >25% of global cocoa powder imports



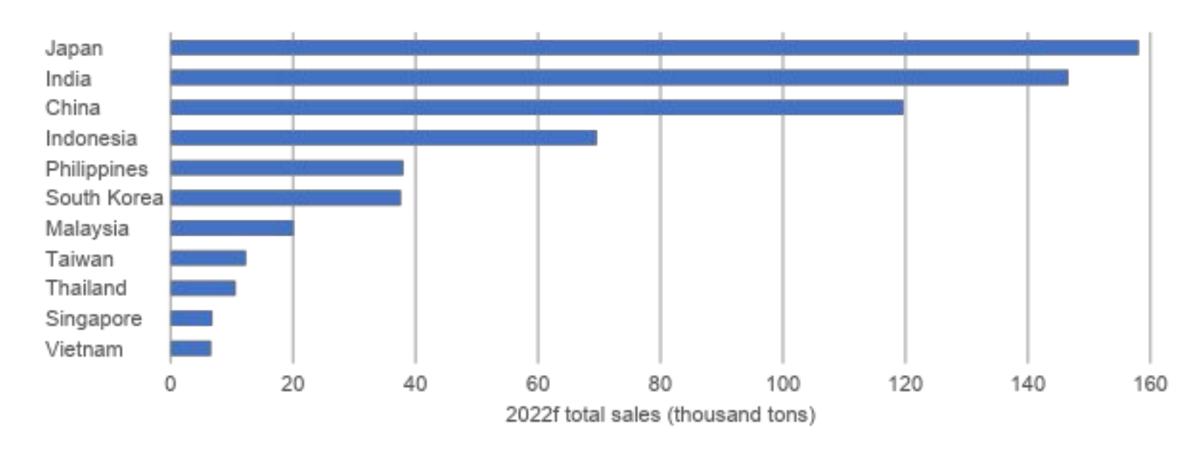
World imports of chocolate products, 2018/19-2020/21



Chocolate confectionary consumption in Asia is expected to grow stable

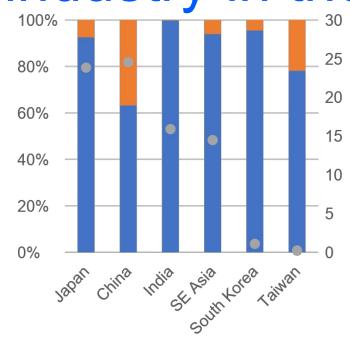


Chocolate confectionary sales in selected Asian countries



Cocoa processing facilities in SE Asia is important for chocolate confectionary

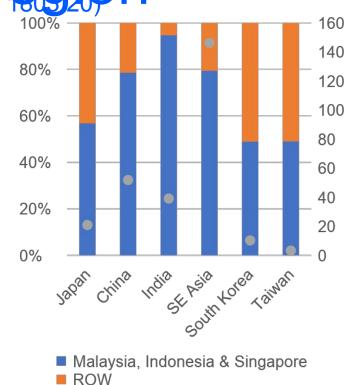
inclustive in 18the region (HS Code: 1805 &



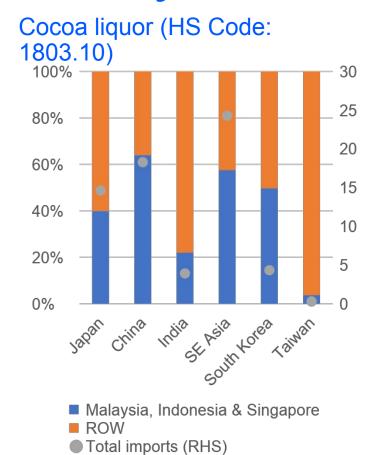
Malaysia, Indonesia & Singapore

ROW

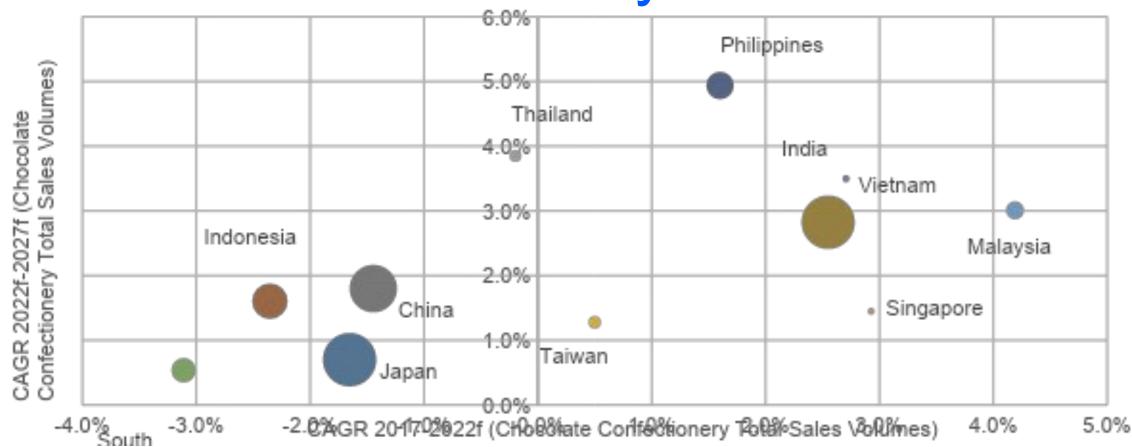
Total imports (RHS)



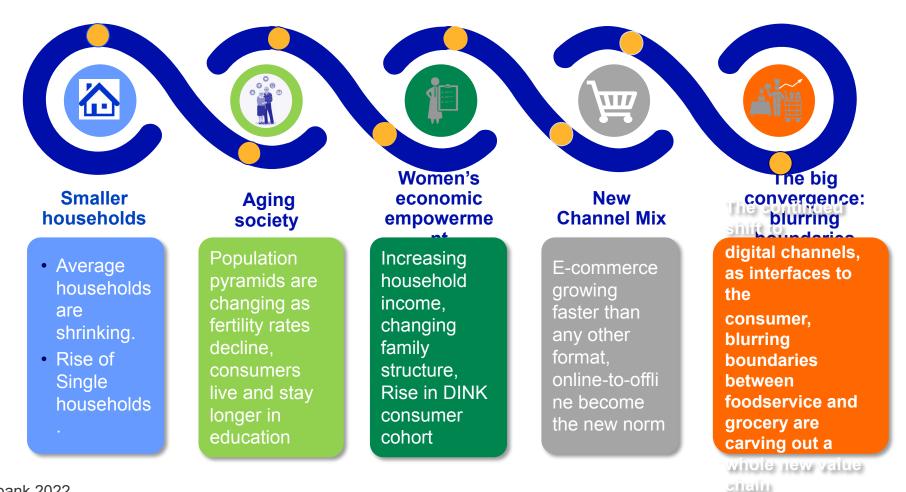
Total imports (RHS)



Volume growth opportunities for chocolate confectionery exist in Asia

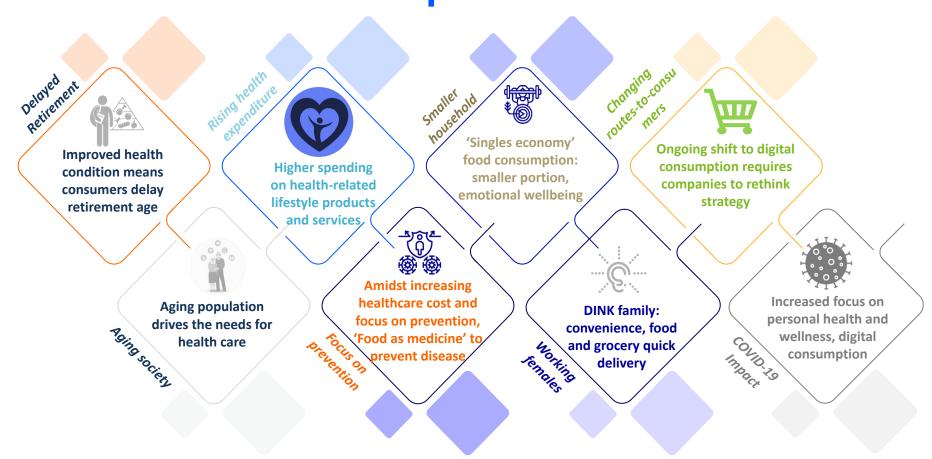


Key consumers shift that matter across Asian countries



Rabobank

... and fundamentally shifting the consumer landscape



28 Source: Rabobank 2022 Rabobank

Snacking evolution: purpose-led, offering functional benefits

Past

A snack is a small amount of indulgent food eaten between

Present

A snack is food in any category that is convenient, on-the-go, and 'better for you', and increasingly replaces meals **Future**

Snacks will be more deliberate with a specific purpose, they will be customizable and offer functional benefits

meals

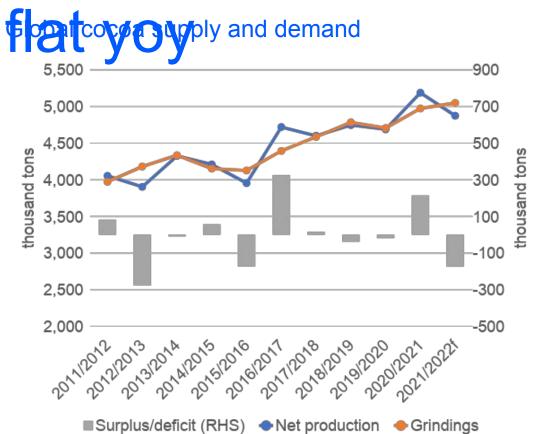
Key Takeaways

- Chocolate confectionary demand in Asia will continue to increase with stable growth.
- Evolving Asian consumer trends will impact Snacks consumption pattern (including chocolate confectionary).
- Cocoa grinding facilities in Asia is important for chocolate confectionary industries in the region.
- Rehabilitation and Renovation is necessary to improve yields of cocoa production in Asia and to avoid deforestation.
- Cocoa farms and farmers play significant roles in improving green gas house emissions of chocolate confectionary industry's supply chain.

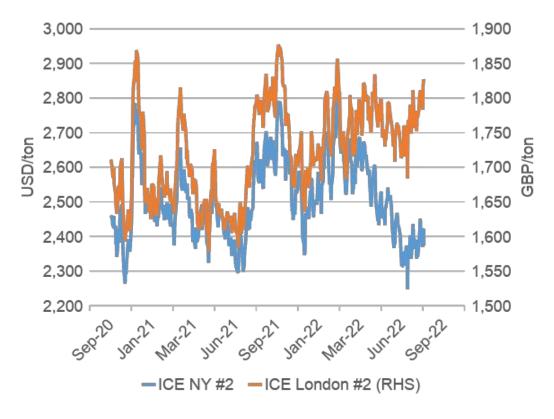
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4. Global cocoa prices development

Despite the rise in prices in other Agri commodities, cocoa prices are relatively



Cocoa futures prices development



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