

## Commodity masterclass



Mondelez, International SNACKING MADE RIGHT

### 26<sup>th</sup> November 2024



## **THE CONSUMER GOODS FORUM - ANTITRUST CAUTION**

"The Forum shall not enter into any discussion, activity or conduct that may infringe, on its part or on the part of its members, any applicable competition law. By way of example, members shall not discuss, communicate or exchange any commercially sensitive information, including non-public information relating to prices, marketing and advertising strategy, confidential individual company level innovation and R&D projects, costs and revenues, trading terms and conditions with third parties, including purchasing strategy, terms of supply, trade programmes, or distribution strategy."

#### MESSAGE TO NEW MEMBERS OR PEOPLE TAKING PART FOR THE FIRST TIME:

"Please take note that taking part in the Forum is subject to having read and understood the Forum's competition guidelines and list of Do's and Don'ts. If you have not yet done so, please do so now."

https://www.theconsumergoodsforum.com/wp-content/uploads/2023/09/The-Consumer-Goods-Forum-2023-Competition-Law-Governance-Guidelines.pdf





#### Provide overview on commodity context



#### Share regional specificities



Agenda

#### Present **solutions** + case studies

Questions, answers & next masterclass in series

Unrecorded section

## A TASTE OF WHO WE ARE

~91k

employees

S

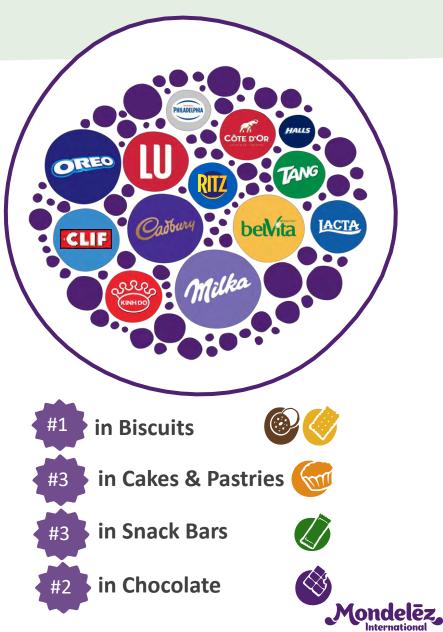
\$36B

NET

REVENUE

mdlz **Empowering people** to snack right RIGHT SHA SNACKING 150 +RIGH Mondelez COUNTRIE

RIGHT WAY

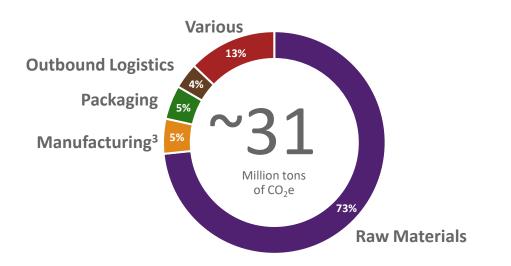


**SNACKING MADE RIGHT** 

2023 data - category position. Source: Euromonitor

## MDLZ'S CO2 FOOTPRINT INCLUDED IN NET ZERO CARBON GOAL

Over 70% of emissions from raw materials 2023 CO<sub>2</sub>E EMISSIONS <sup>1,2</sup>

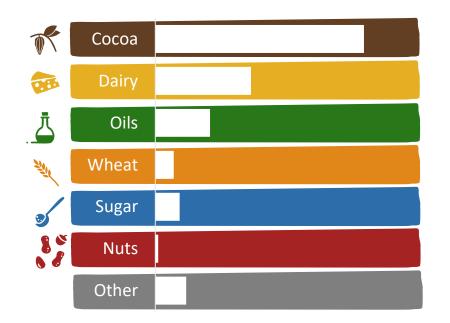


Memo: Breakdown of MDLZ Scope 1, 2, 3 emissions



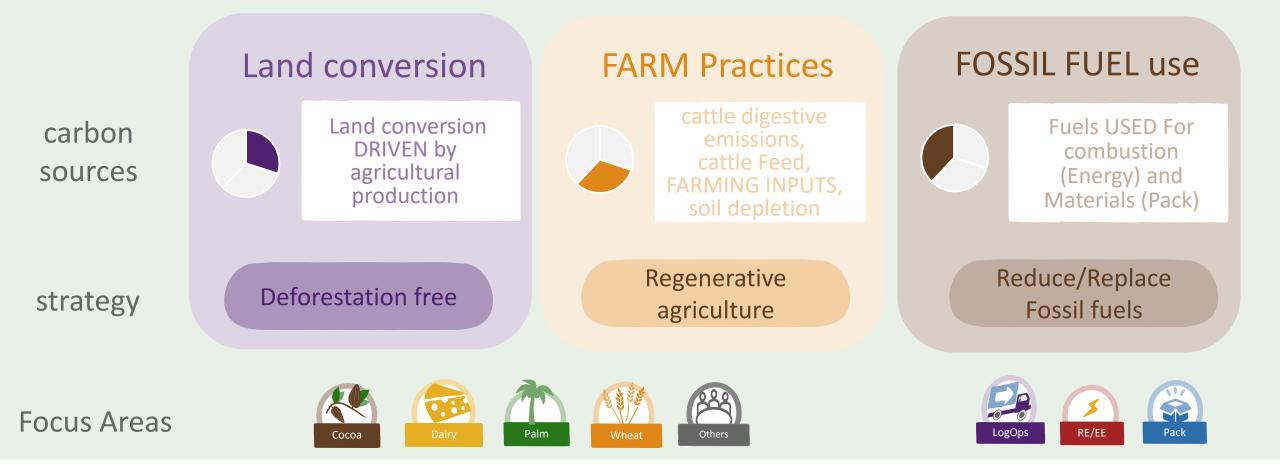
<sup>1</sup> Represents >90% of our total CO<sub>2</sub>e footprint in accordance with <u>SBTi 's net zero standard</u>.
 <sup>2</sup> Excludes Chipita and Ricolino acquisitions. Will be integrated during future cycle.
 <sup>3</sup> Internal and external manufacturing

Raw materials Break out





## THREE MAJOR CARBON SOURCES INFLUENCE OUR STRATEGY







## Context

## Overall cocoa with ~\$26B market value<sup>1</sup> & 5 Mt volume...

# ...half of which is coming from top 2 producing countries



Other top producers:

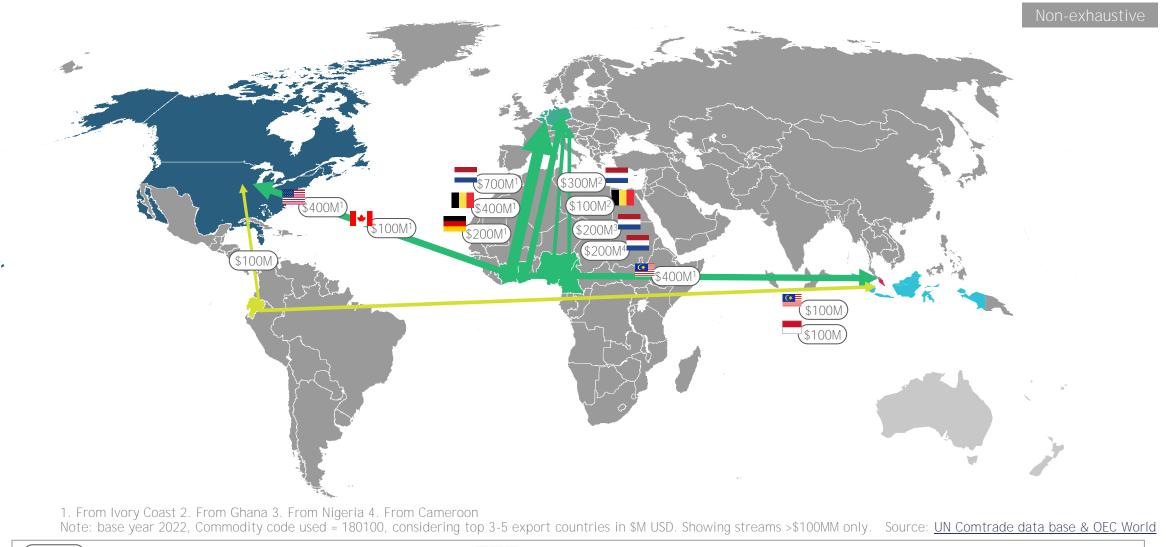


Note: Estimated production volume, thousand tonnes (kt) or million tonnes (Mt), 2022/23 Sources: 1) Includes cocoa butter, powder and liquor: <u>www.expertmarketresearch.com/reports/cocoa-market/</u> 2) ICCO Bulletin #2 2024 and <u>www.kakaoplattform.ch/about-cocoa/cocoa-facts-and-figures</u>

**~12MM Hectares** (global, 2022)



## West African markets are top cocoa exporters across top producing markets



> \$XXXM ) **\$M USD export value** (top 3-5 export countries shown per market, '22)

Different colors to represent different origin countries/regions

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Understanding carbon sources and sinks on cocoa farms **SOURCE: LAND USE CHANGE** carbon released by deforestation and other land conversion events

SINK: AGROFORESTRY long-term carbon storage in biomass from shade trees or other tree crops

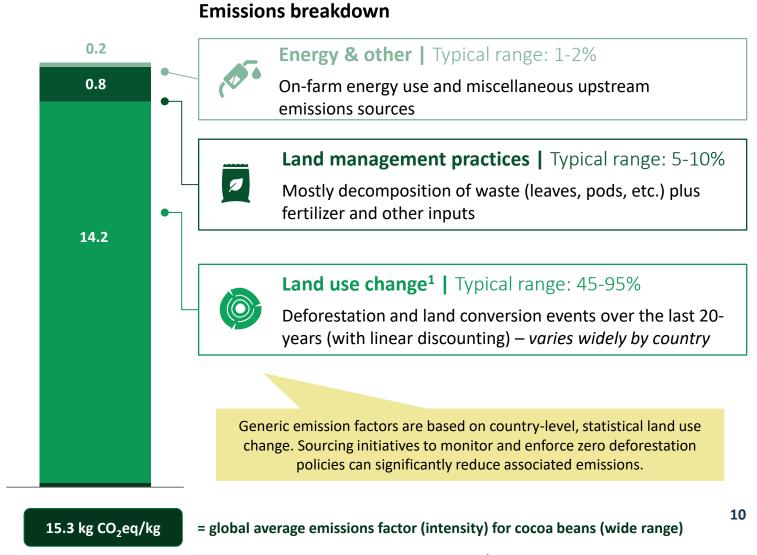
> SOURCE: FERTILIZER N<sub>2</sub>O from fertilizer application (+ some upstream emissions from fertilizer production)

SOURCE: BIOWASTE CH<sub>4</sub> + other biogenic emissions produced by decomposing leaf litter and waste



### Land use change drives GHG impact

For on-farm cocoa cultivation, land use change drives a large majority GHG impact

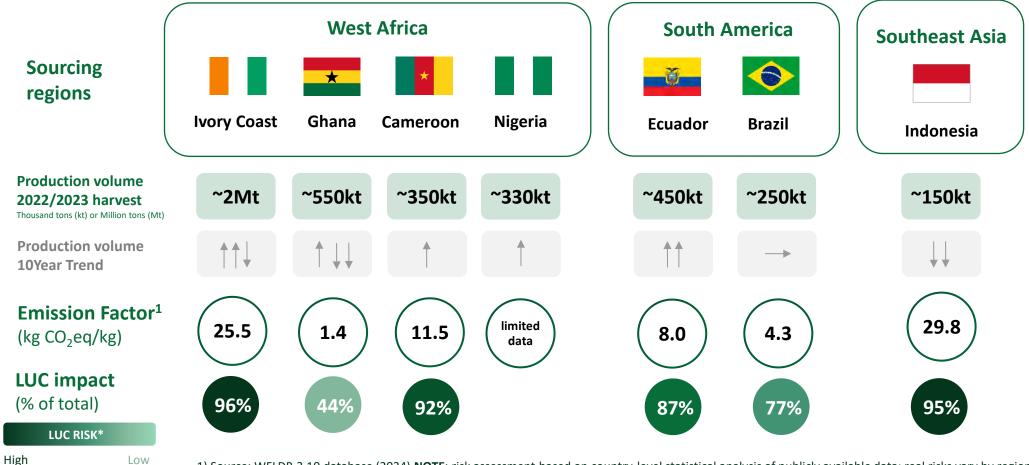


<sup>1</sup>Source: WFLDB 3.10 database (2024)



# Regional specificities

## Land use change impacts vary by country, but many of the topproducing countries carry high risk



nigi

1) Source: WFLDB 3.10 database (2024) **NOTE**: risk assessment based on country-level statistical analysis of publicly available data; real risks vary by region and supply chain.



## The main archetype for cocoa production is small holder farming

Non-exhaustive



Notes

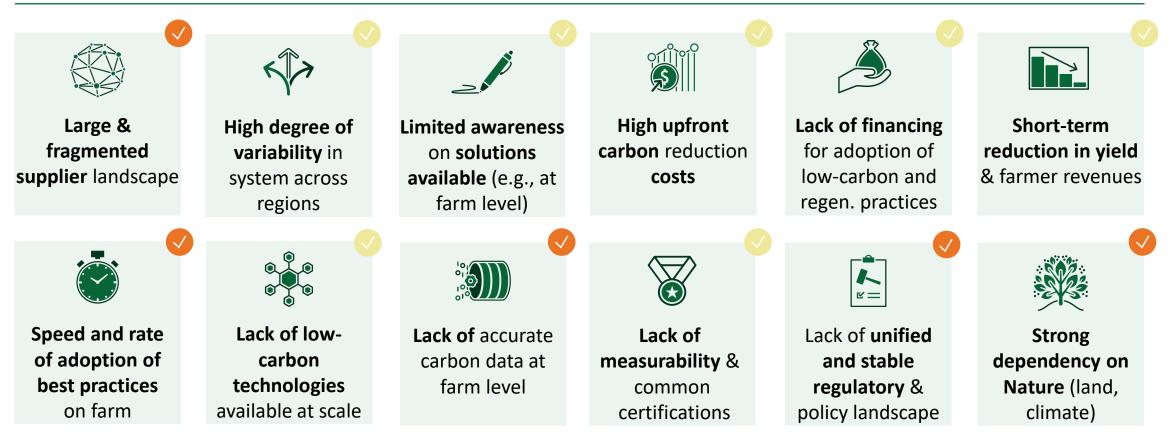
All geographies
Low input / low tech / on farm tree planting

- Latin America
- Enhanced irrigation, fertilization, crop science, agroforestry



## Key challenges to address for cocoa decarbonization

#### Key decarbonization challenges across commodities



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# Solutions





## 3 case studies to bring our commodity decarbonization journey closer



## 10+ Years of implementing the Cocoa Life program



#### Challenges

- Large & fragmented supplier landscape with smallholder farmers
- Geographically restricted to the Equatorial region
- Slow, labor-intensive process
- Speed and rate of adoption of best practices on farm

#### Our goals

• Increase more sustainable cocoa volume at scale

#### Coverage

- Work with ~243,000 cocoa farmers<sup>1</sup>
- 9 cocoa producing countries
- ~50 partners including cocoa communities, cocoa suppliers, NGOs, governments
- Holistic, integrated, community-based approach
- Invest US\$1 billion from 2012 to 2030

\* All figures shown on this slide are approximate.







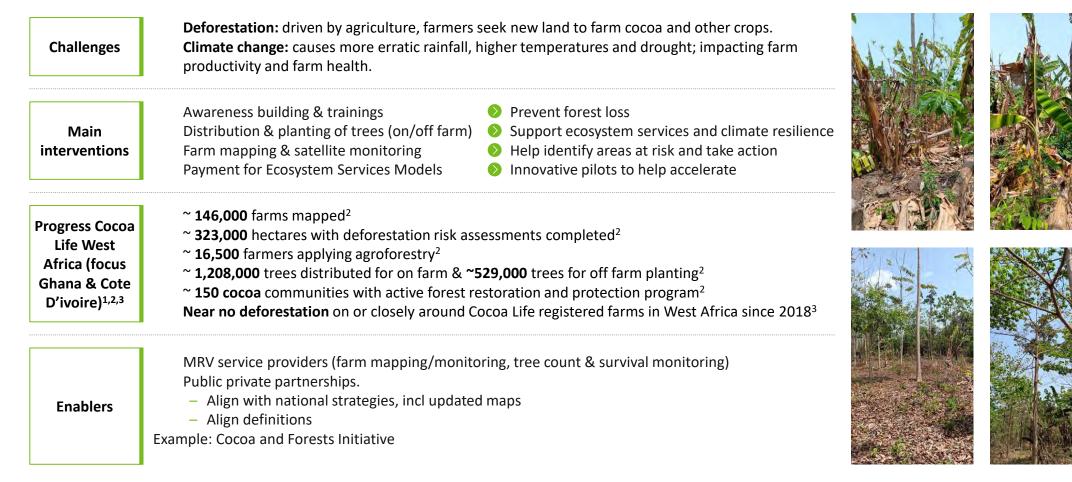


## Cocoa Life takes an integrated approach ACROSS THREE FOCUS AREAS



## Addressing deforestation & climate change



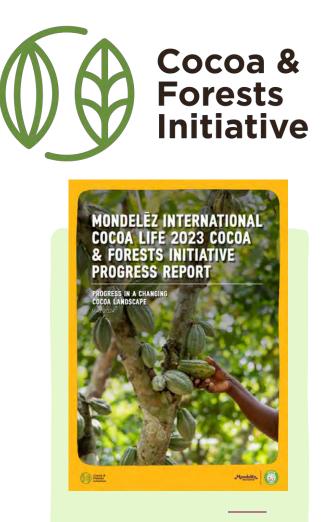


1 We aim to regularly and transparently report our progress. You can find additional details on Mondelēz International's ESG goals and reported information within the About This Report section of our <u>2023 Snacking Made Right Report</u>

2 Reported information for the period from October 1, 2022 to September 30, 2023 covers Ghana and Côte d'Ivoire unless otherwise stated. This data is provided by third parties. Reported information based on latest estimate. All figures are approximate. Source: <u>MDLZ Cocoa Life 2023 CFI Progress Report</u>
 3 Reported information for the period from January 1, 2023 to December 31, 2023 for West Africa includes Côte d'Ivoire, Nigeria and Ghana. Source: 2023 Snacking Made Right Report

## Partnering with the Cocoa & Forests Initiative





## **Developing land management (Farm) practices**



Awareness building & trainings		
<ul> <li>Use of planting material</li> <li>Use of farming input</li> </ul>	Increase yield	
Farmer coaching	Co-creation of tailored Farm Development Plans	
Distribution & planting of trees (on farm)	<ul> <li>Promote agroforestry and climate resilience</li> <li>Crop and income diversification</li> </ul>	
<ul> <li>225,000 farmers trained, coached or having a farm development plan on Good Agricultural Practices</li> <li>498,000 community members &amp; farmers trained on Good environmental practices</li> <li>8,589,000 economic shade trees distributed</li> <li>33,531,000 cocoa seedling distributed</li> </ul>		
<b>360,000</b> community members involved in a		
Implementing partners (suppliers, NGOs) delivering program on the ground		
	and the last	
<ul> <li>Align definitions</li> </ul>		
	<ul> <li>Use of farming input</li> <li>Farmer coaching</li> <li>Distribution &amp; planting of trees (on farm)</li> <li>225,000 farmers trained, coached or having</li> <li>498,000 community members &amp; farmers trained, state trees distributed</li> <li>33,531,000 economic shade trees distributed</li> <li>360,000 community members involved in a</li> <li>mplementing partners (suppliers, NGOs) del</li> <li>/erification and Learning (can be other partners</li> <li>Collaboration with governments, research or</li> <li>Multi) stakeholders platforms e.g., World Community</li> </ul>	<ul> <li>Use of farming input</li> <li>Garmer coaching</li> <li>Distribution &amp; planting of trees (on farm)</li> <li>Promote agroforestry and climate resilience</li> <li>Crop and income diversification</li> </ul>

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## Developing farm practices and promoting agroforestry

#### **Key activities**

Distributing **economic shade trees** incl fruit & timber

Helps sequester carbon (carbon removals)

#### **Benefits**

- 1 Income diversification for farmers
- 2 Soil conservation
- 3 Biodiversity preservation
- 4 Natural barrier to pests and diseases
- 5 Helps crops become more resilient to climate change and extreme climatic events.





## Developing farm practices and promoting agroforestry

### CROP SCIENCE

12 hectares R&D site

Cocoa grown around diverse trees, perennial and annual crops

Assess benefits of different tree-crop combinations and spacings

Shade tree management protocol

Good farm practices

Understanding of agroforestry benefit on shade, biomass production, yield and carbon sequestration

Validating the results of the trials on farms











## There are 4 main levers to address cocoa decarbonization

Levers	Practices	Typical carbon Reduction potential	Potential benefits
Zero Deforestation	Satellite monitoring Voluntary certifications Regulations (EUDR) Farmer engagement (Sourcing from low-risk regions)	HIGH	Access to more markets Premiums
Agroforestry	Native shade tree cover Commodity tree crops (e.g. bananas) Subsistence tree crops	MED	Diversified farm income Access to carbon markets Increased productivity Climate adaptation Food, timber for home use / additional income
Productivity	Tree selection & breeding Pruning/tree maintenance Disease prevention Farmer training & technical assistance	MED	Increased income Farm longevity Professionalization & development
Farm Management	Composting crop residues (leaves, pods, etc.) Low carbon fertilizers Biochar	LOW	Increased productivity

If you would like to know more...

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At a global level, cocoa life is delivering at scale across its key focus areas

## **COCOA LIFE'S GLOBAL PROGRESS IN NUMBERS**



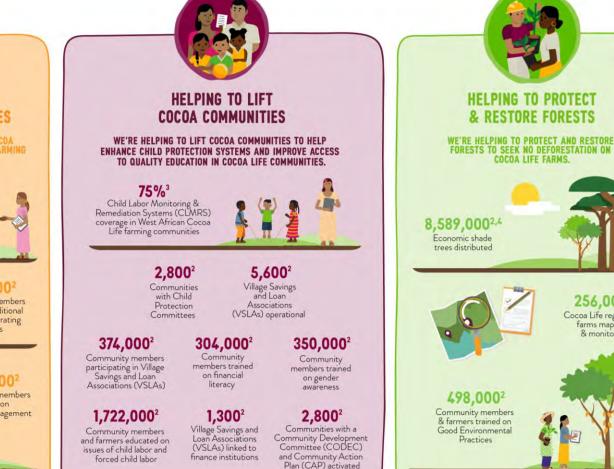
~US\$1 BILLION IN INVESTMENTS (2012-2030)











#### \*All figures shown in this graphic are approximate.

<sup>1</sup>Goal and reported information for cocoa volume sourced is based on a mass balance approach, which means that the equivalent volume of cocca needed for the products sold under our chocolate brands is sourced from the Cocca Life program. Reported information for the period from January 1, 2023 to December 31, 2023 includes volumes from cocca producing countries Brazil, Côte d'Ivoire, Dominican Republic, Ecuador, Ghana, Indonesia, India, and Nigeria unless otherwise stated (which differs from prior years). Excludes markets where Mondelez International does not sell chocolate brands. Reported information based on latest estimate; independent, third-party verification in-progress. Any updates, if needed, will be included in the <u>ESG Datasheet</u>.

<sup>2</sup>Reported information for the period from January 1, 2023 to December 31, 2023 covers Brazil, Cameroon, Côte d'Ivoire, Dominican Republic, Ecuador, Ghana, Indonesia, India, and Nigeria unless otherwise stated (which differs from prior years). This data is provided by third parties. Any updates, if needed, will be included in the <u>ESG Datasheet</u>.

<sup>3</sup>Reported information for the period from January 1, 2023 to December 31, 2023 includes a Cocoa Life community in Ghana, Côte d'Ivoire, or Nigena as covered by CLMRS if one or more household(s) in the community were visited and interviewed to identify children, if any, in or at risk of child labor, at least once over the last 2 years (January 1, 2022 through December 31, 2023), even if any appropriate remediation and post-remediation follow-up has not yet occurred. CLMRS' data is collected and provided to MDLZ by third parties. An independent, third-party assurance process is underway, and any subsequent findings may result in changes to reported information if the underlying criteria, estimates, or available evidence change, as we continue to enhance our processes. Any updates, if needed, will be included in the ESG Datasheet.

(5)

GLOBAL

256,000<sup>2</sup>

Cocoa Life registered

farms mapped & monitored

<sup>4</sup>Economic shade trees are non-cocoa trees and an important part of more sustainable cocoa farming: they help safeguard cocoa against too much sun and heat, help promote biodiversity, and can help provide additional income for farmers.

We aim to regularly and transparently report our progress. You can find additional details on Mondelez International's ESG goals and reported information within the About This Report section of our <u>2023 Snacking Made Right Report</u>.

Not recorded – will not be available to the public

## Time for your questions



#### Stay tuned for our next masterclasses



Watch the recording



POTATO: PepsiCo (Nov 7th 2024) Watch the recording





COFFEE: Ahold Delhaize (12th December 2024) Click to Register













#### All information and resources available on CGF website: 27

https://www.theconsumergoodsforum.com/environmental-sustainability/net-zero/keyprojects/commodity-captain-masterclasses/



## Thank you