

## arauco

Corporate Presentation Q2 2020

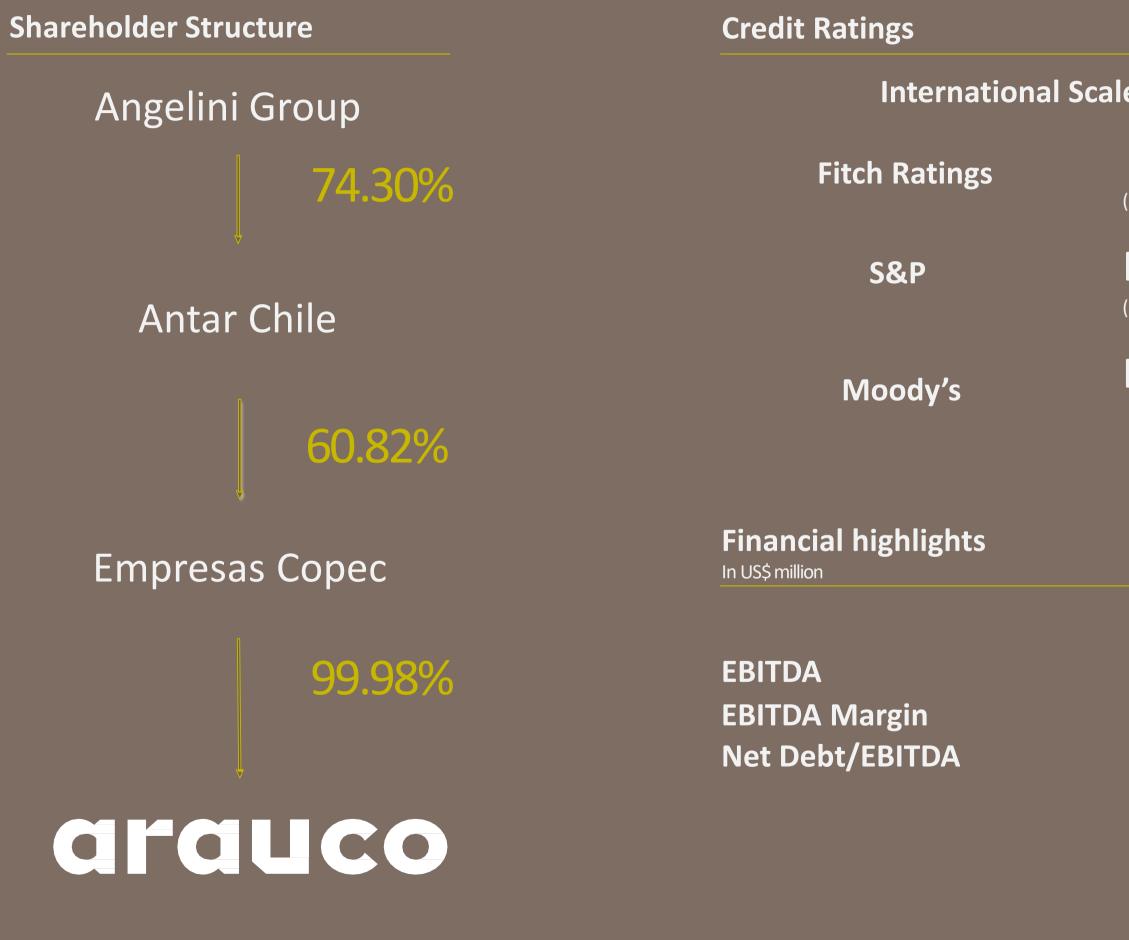


## Overview





As of June 2020 LTM

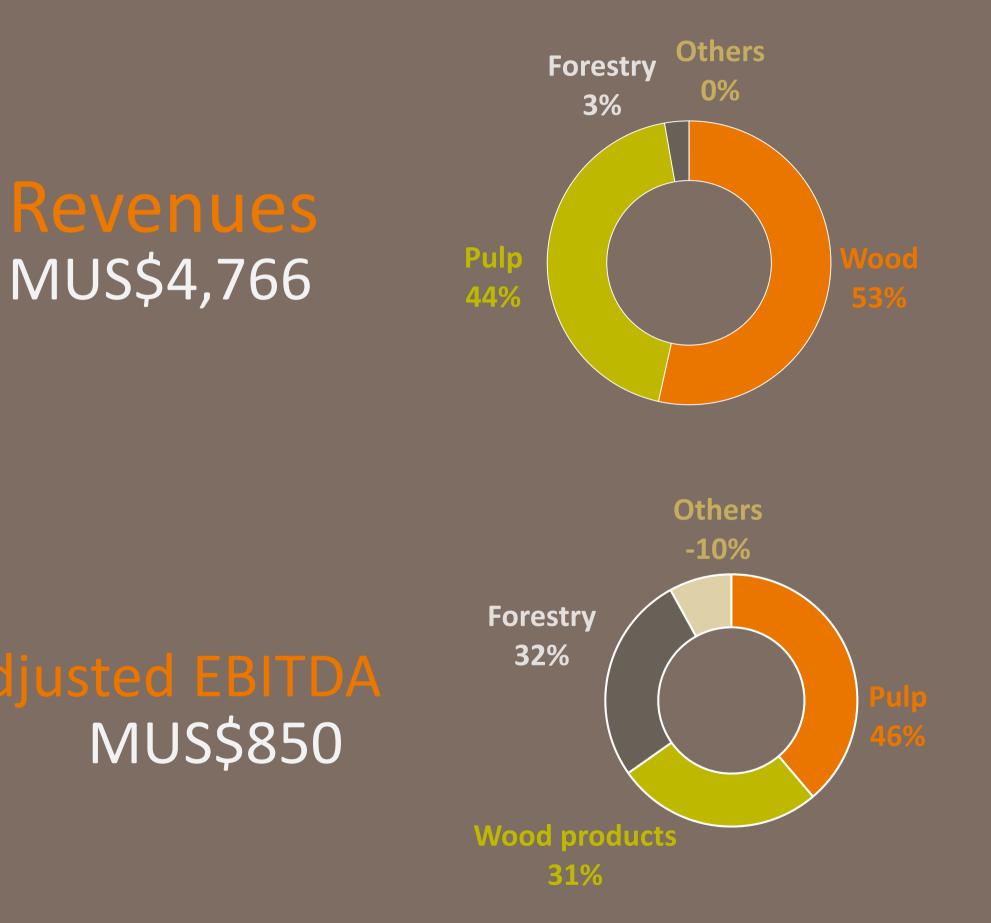


cale	National Scale		
<b>BBB</b> (Negative)	Fitch Ratings	AA- (Negative)	
<b>BBB-</b> (Negative)	Feller Rate	AA	
Baa3 (Stable)		(Stable)	

850	Net Income	-207
18%	CAPEX	1,545
5.9x	Revenues	4,766



#### **DIVERSIFIED SALES AROUND THE WORLD**



#### **REVENUE BY REGION**

As of December 2019



Asia and Oceania

24%

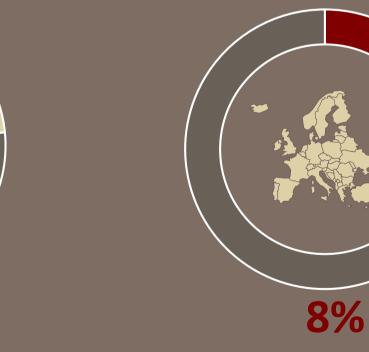
**Central and** 

**South America** 



32%

**North America** 



**Europe** 



#### THREE STRATEGIC BUSINESS SEGMENTS

	Forestry	Pulp	Wood p	
			Panels 2 Mills	Solid W
	697 th. Ha <sup>(1)</sup>	5 Mills 2,905 th. t	MDF: 515 th. m <sup>3</sup> PB: 340 th. m <sup>3</sup>	7 Sawmills: 2,6 Plywood <sup>(5)</sup> : 7 4 Rem. Faciliti
	133 th. Ha <sup>(1)</sup>	1 Mill 350 th. t	2 Mills MDF: 300 th. m <sup>3</sup> PB: 260 th. m <sup>3</sup>	1 Sawmill: 318 1 Rem. Facility
	130 th. Ha <sup>(1)</sup>		4 Mills MDF: 1,530 th. m <sup>3</sup> PB: 720 th. m <sup>3</sup>	
	79 th. Ha <sup>(1) (2)</sup>	1 Mill 710 th. t <sup>(2)</sup>		
			10 Mills <sup>(6)</sup> MDF: 1,470 th. m <sup>3</sup> PB: 2,104 th. m <sup>3</sup>	
			2 Mills MDF: 250 th. m <sup>3</sup> PB: 339 th. m <sup>3</sup>	
			10 Mills <sup>(3)(4)</sup> PB: 1,165 th. m <sup>3</sup> MDF: 741 th. m <sup>3</sup> OSB: 258 th. m <sup>3</sup>	1 Sawmill <sup>(3)</sup> :
Total	1.0 million ha	4.0 million t	10.0 million m <sup>3</sup>	3.7 milli

As of December 2019

(1) Considers hectares planted, in thousands

(2) Considers 50% of Montes del Plata

(3) Considers 50% of Sonae Arauco

(4) One PB mill in South Africa is currently shut down

(5)Considers 2 plywood mills.

(6)As of the date of publication of this report, 2 MDF mills are shut down. Also, PB lines of three different mills are also shut down.

#### Vood

2,646 th. m<sup>3</sup> 710 th. M<sup>3</sup> ies

18 th. m<sup>3</sup>









: 25 th. m<sup>3</sup>

ion m<sup>3</sup>

#### **Complementary energy** operations

10 Power Plants 606 MW Surplus: 219 MW

2 Power Plants 82 MW Surplus: 8 MW



1 Power Plant 91 MW<sup>(2)</sup> Surplus: 50 MW



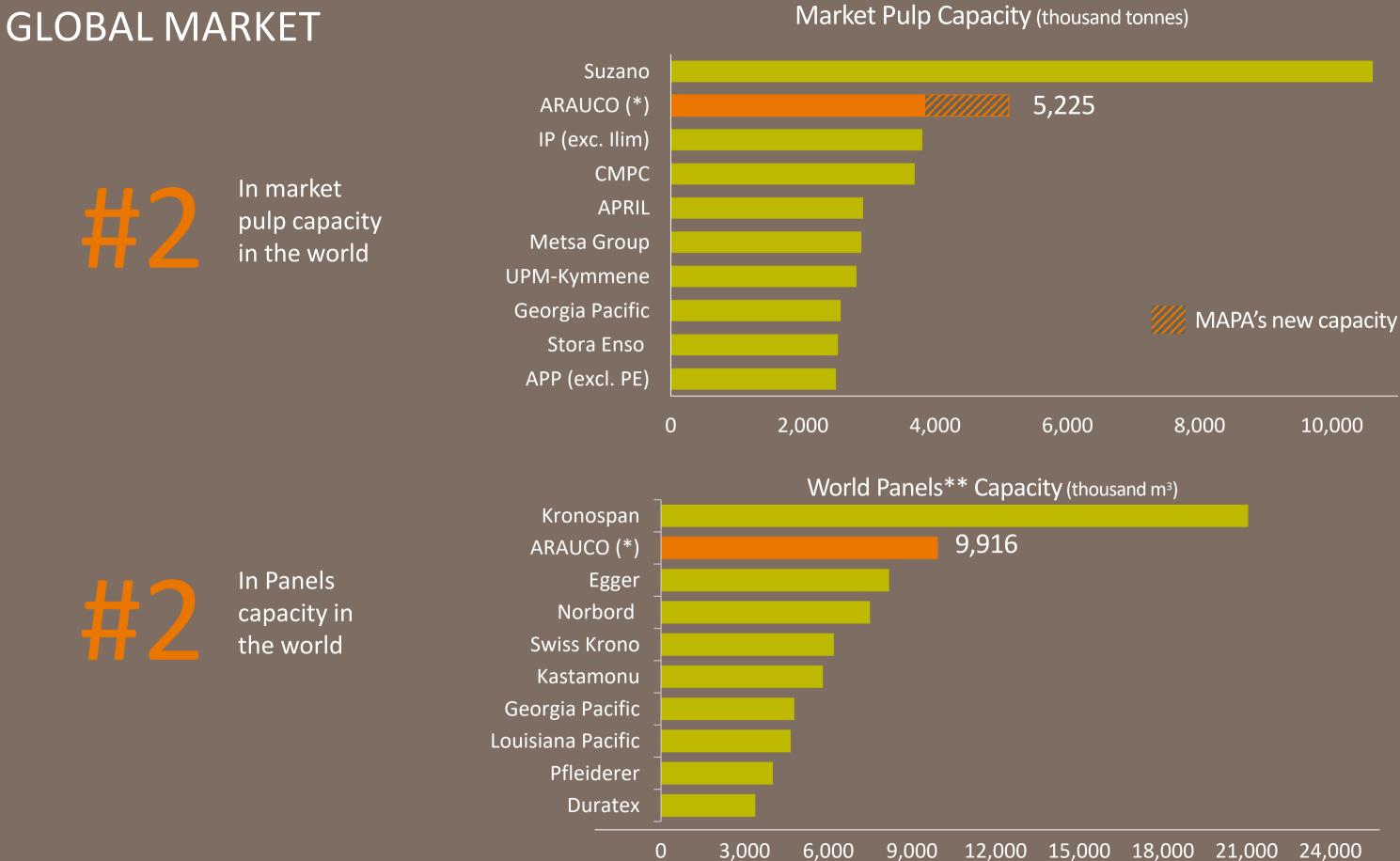




779 MW



#### WE ARE A MAIN PLAYER IN THE GLOBAL MARKET



0

6,000

9,000

World market pulp and panel competitors capacity as of December 2019

\*Arauco capacity includes 50% of Montes del Plata, 50% Sonae Arauco, and MAPA Project, as of December 2019

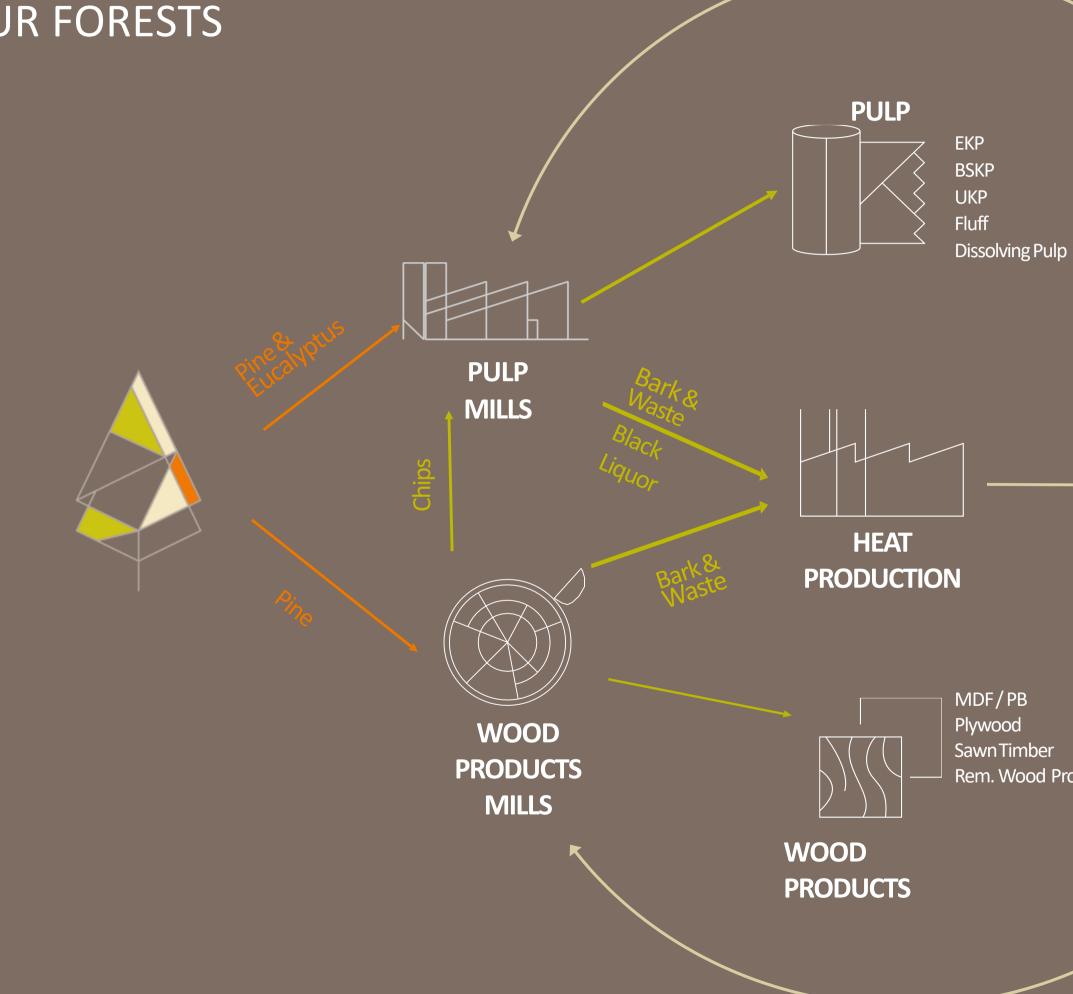
\*\*Panels refers to Composite Panels, which corresponds to MDF, PB and OSB.

*Source: Hawkins Wright, Public fillings, Arauco estimations and Company information and fillings* 

12,000 15,000 18,000 21,000 24,000



#### MAXIMIZING THE VALUE OF OUR FORESTS





**ENERGY** & STEAM

Rem. Wood Products

## SURPLUS



National Grid

# BUSINESS SEGMENTS







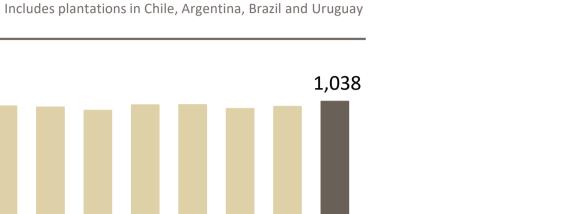


#### **FORESTRY BUSINESS**

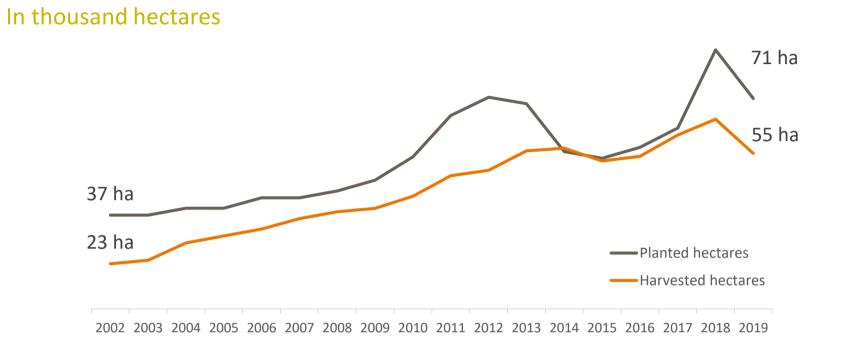
**Total Plantations** In thousand hectares 2003 2005 2007 2009 2011 2013 2015 2017 2019

**Hectares Planted** 1.8 million (\*) hectares owned 1.0 million hectares planted 503 th. Pine : **667 th**. of Pine 192 th. Euca: Pine : 349 th. of Euca Others: 2 th. Euca: ۲ 697 th. 22 th. Others Others: 2

(\*) includes 515 th. hectares of native forest plantations. As of December 2019



#### Planting and harvesting



ine :	70	th.		
uca:	60	th.		
thers:	0.2	th.		
130 th.				
ica:	78 t	h.		
ne: (	0.1 t	:h.		
hers:	0.4 1	:h.		
94 th.	79 t	:h.		
9 th.				
0 th.				
33 th.				

#### **Environmental Certifications**

#### **Our forests plantations have international** certification in Forestry Management and Chain of Custody

For detailed information about each certification, you can visit our web site **www.arauco.com** 

#### FORESTRY BUSINESS

#### **Bioforest research and development**

Bioforest was formed in 1990 by Arauco and one of the achievements has been the increase in the plantation yields by 40%

#### Highly trained researchers

work in order to develop and apply the best technologies, maximizing the forestry and industrial resources.





• Bioforest has a wide participation in local and international organizations that are leaders in the forestry-industrial scientific knowledge

• In addition, Bioforest aims to fulfill the environmental objectives for the protection and conservation of biodiversity present in our native forests



#### **PULP** BUSINESS

#### **Production**

million tonnes

4.0 3.0 2.0 1.0

#### Sales volume: 3.8 million tonnes

UKP 13%



BSKP 32%

# Pulp Sales MUS \$1,982

Does not include energy sales As of June 2020 LTM



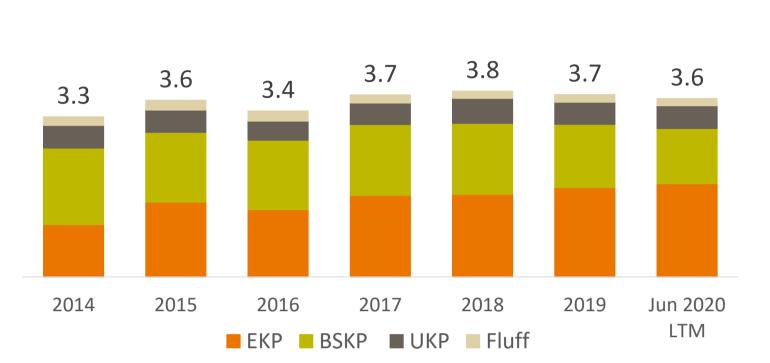
(1) Eucalyptus Kraft Pulp

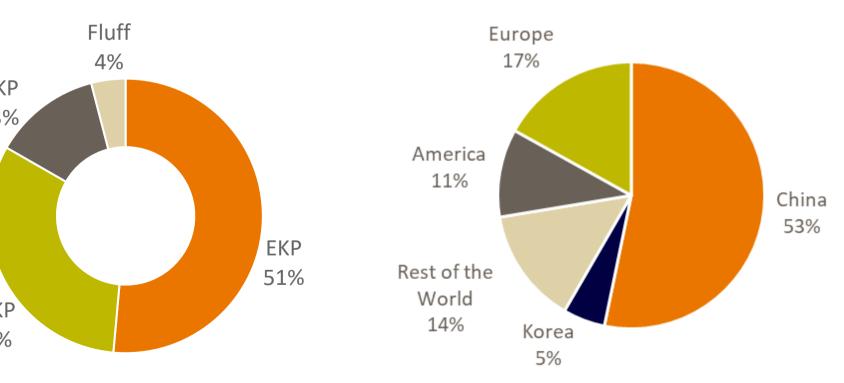
(2) Bleached Softwood Kraft Pulp

(3) Unbleached Kraft Pulp

(4) Dissolving Pulp

As of June 2020 LTM

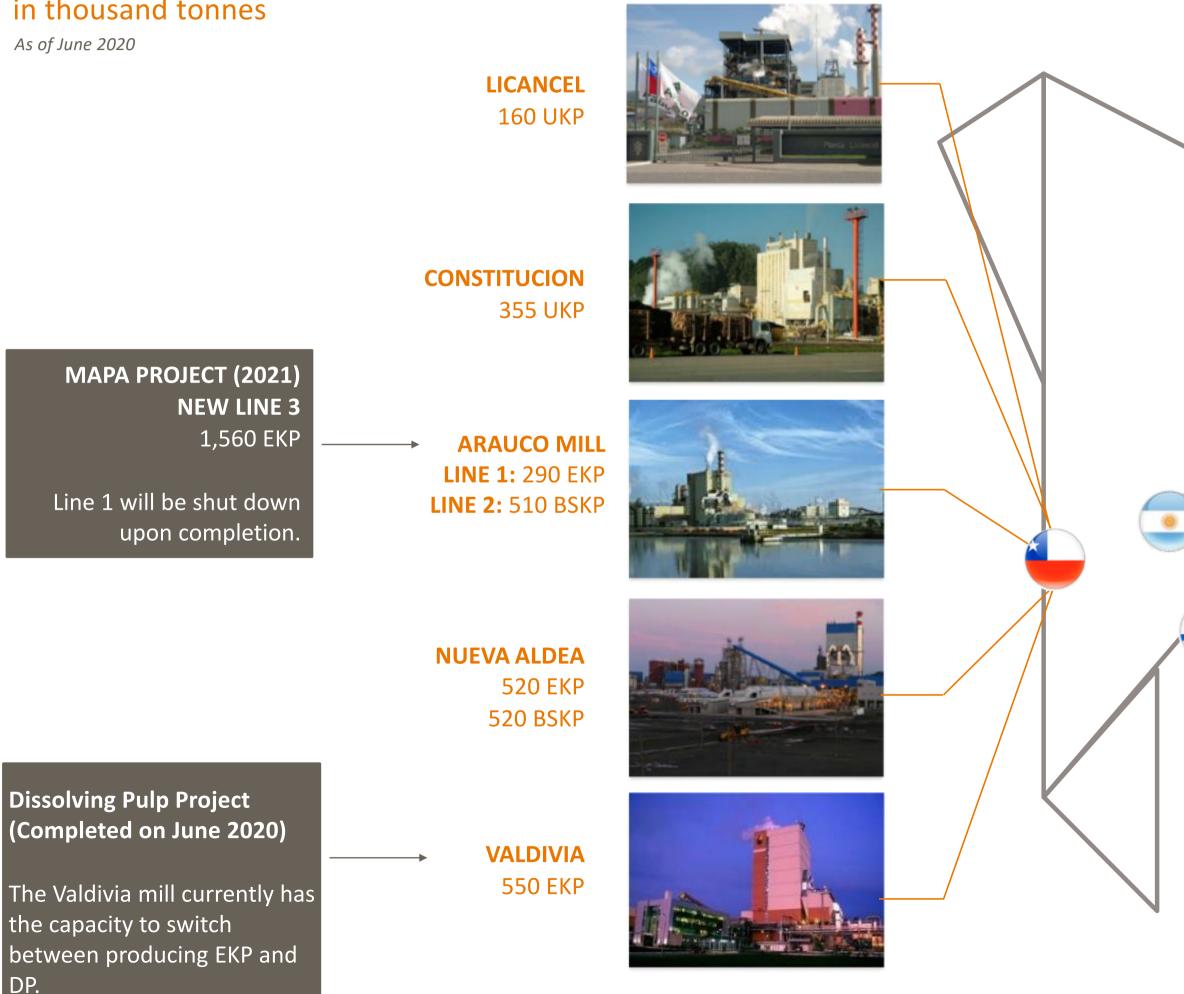


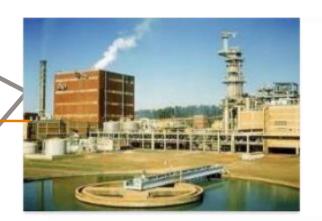


#### **PULP BUSINESS**

#### **OUR MILLS**

in thousand tonnes





#### **ALTO PARANA** 350 BSKP & Fluff Swing mill



**MONTES DEL PLATA** 1,414 EKP Arauco owns 50%

#### **PULP BUSINESS COMPETITIVE ADVANTAGES**

#### **1. Logistic Efficiency**



Source: ARAUCO, as of December 2019

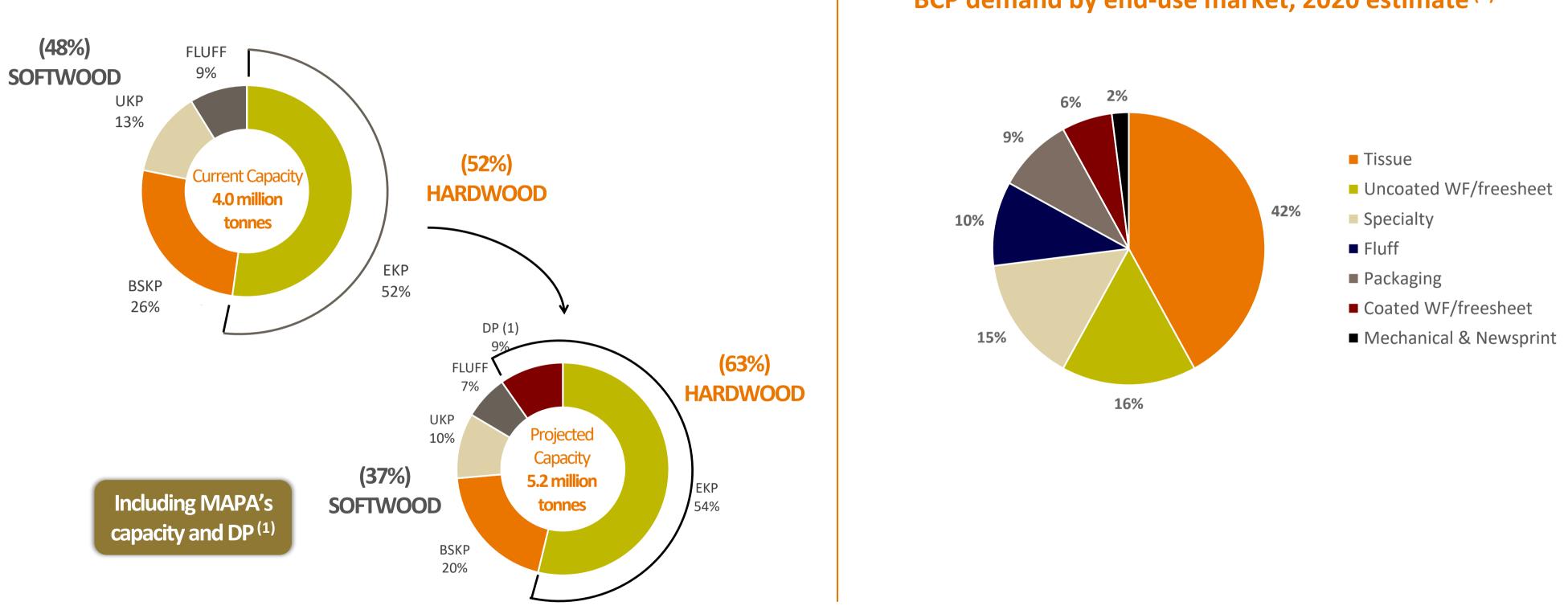
(1) Calculated using sales volume for 2019

(2) Calculated including sales volume from ARAUCO's Line 3 expected capacity and assuming Line 1's shutdown

#### 2. Cost Advantages

### **PULP BUSINESS** COMPETITIVE ADVANTAGES

#### **3. Product Diversification**



Source: ARAUCO, as of June 2020 (1)Dissolving Pulp The Valdivia mill will keep the ability to switch from producing dissolving pulp to paper grade (EKP). (2) Source: Hawkins Wright, as of August 2020BCP: Bleached Chemical Pulp, which includes all bleached kraft pulp (and not unbleached) and sulphite pulp

#### BCP demand by end-use market, 2020 estimate<sup>(2)</sup>

#### WOOD PRODUCTS BUSINESS

# Revenues MUS \$2,524

Does not include energy sales As of June 2020 LTM

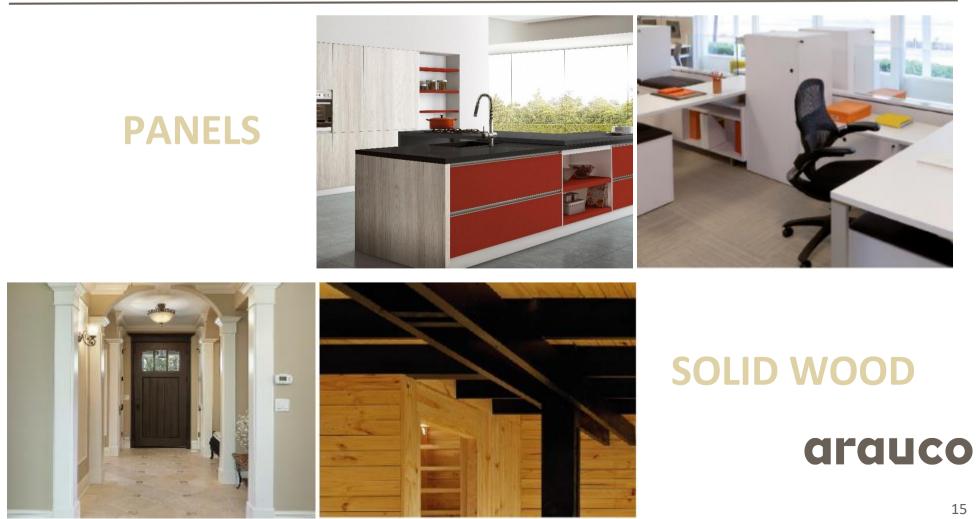
#### **Sales evolution**

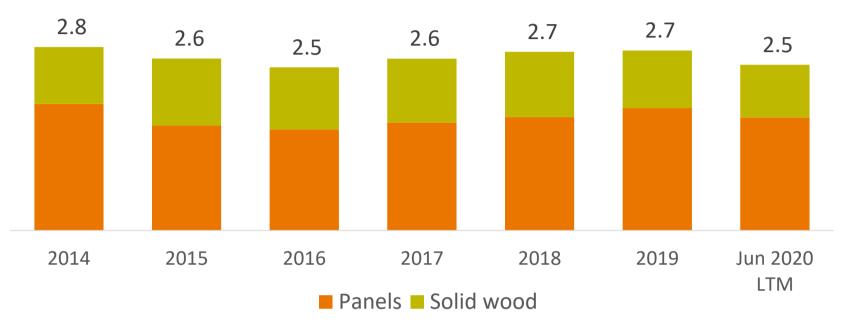
US\$ billion

3.0 2.0

1.0

**Subdivisions** 





#### WOOD PRODUCTS BUSINESS: PANELS

# **Panels Sales** MUS \$1,717

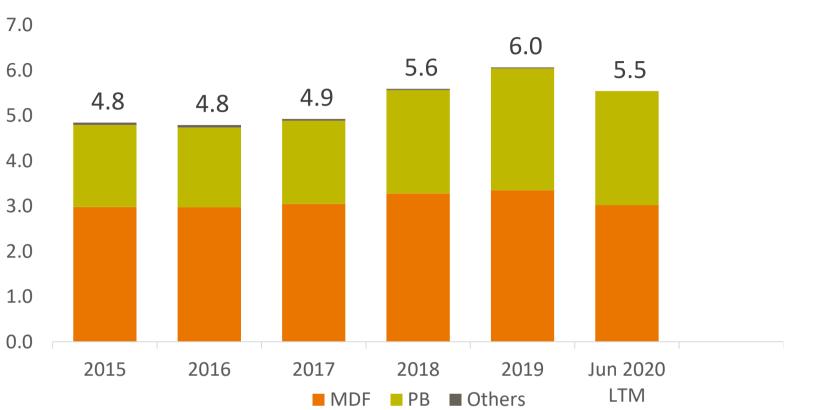
Does not include energy sales As of June 2020 LTM

#### **Production**

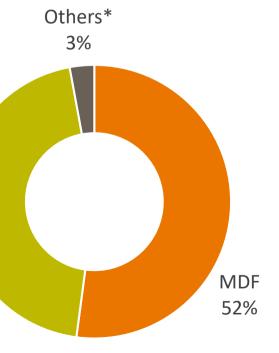
million m<sup>3</sup> 7.0

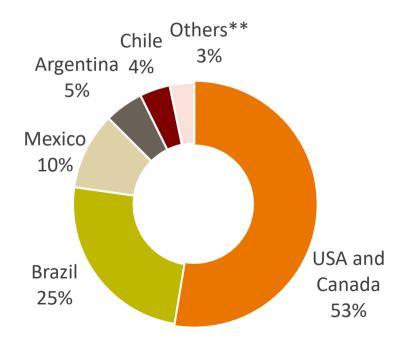
PBO 45%

As of June 2020 LTM Does not include Sonae Arauco volumes \*OSB, HB, Retail and Composite panels \*\* EMEA, Asia, Oceania and Rest of Latam



Sales volume: 5.6 million m<sup>3</sup>





PANELS **OUR MILLS** in thousands

2 mills 470 m<sup>3</sup> MD

8 mills (\*\*) 1,000 m<sup>3</sup> MDF 2,104 m<sup>3</sup> PB

> 2 mills 339 m<sup>3</sup> PB 250 m<sup>3</sup> MDF

> > 4 mills 1,530 m<sup>3</sup> MDF 720 m<sup>3</sup> PB

3 mills 515 m<sup>3</sup> MDF 340 m<sup>3</sup> PB

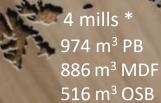
2 mills 300 m<sup>3</sup> MDF 260 m<sup>3</sup> PB

#### Legend

MDF: Medium Density Fiberboard PB: Particle Board OSB: Oriented Strand Board

As of December 2019 \*Arauco owns 50% of Sonae Arauco

\*\*As of the date of publication of this report, 2 MDF mills are shut down. Also, the PB lines of three different mills are also shut down. \*\*\*One PB mill in South Africa is currently shut down



2 mills\* 140 m<sup>3</sup> MDF 428 m<sup>3</sup> PB 2 mills\* 372 MDF 456 PB

#### arauco



2 mills\* 472 m<sup>3</sup> PB\*\*\* 84 m<sup>3</sup> MDF

17

#### WOOD PRODUCTS BUSINESS: **SOLID WOOD**

# Solid Wood Sales MUS

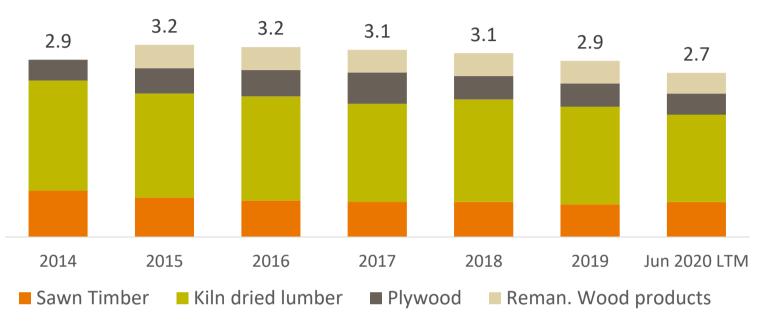
Does not include energy sales As of June 2020 LTM

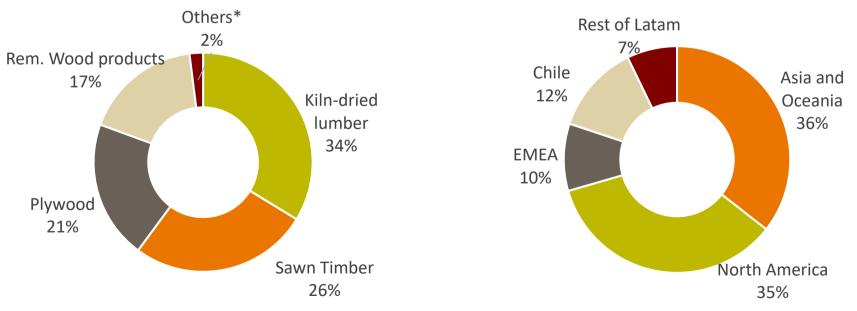
#### **Production**

million m <sup>3</sup>	
5.0	
4.0	
3.0	
2.0	
1.0	
0.0	

#### Sales volume: 2.6 million m<sup>3</sup>

As of June 2020 LTM \* Pallets





SOLID WOOD OUR MILLS in thousands

> 1 sawmill\* 50 th. m<sup>3</sup> ST

**Legend** ST: Sawn Timber Rem: Remanufactured Wood Products 7 Sawmills 2,646 m<sup>3</sup> ST 408 m<sup>3</sup> Rem 2 Plywood Mills 710 m<sup>3</sup>

1 sawmill 318 m<sup>3</sup> ST 67 m<sup>3</sup> Rem

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As of December 2019 \*Arauco owns 50% of Sonae Arauco



#### **ENERGY** BUSINESS

# Revenues MUS

As of June 2020 LTM

#### **Highlights**

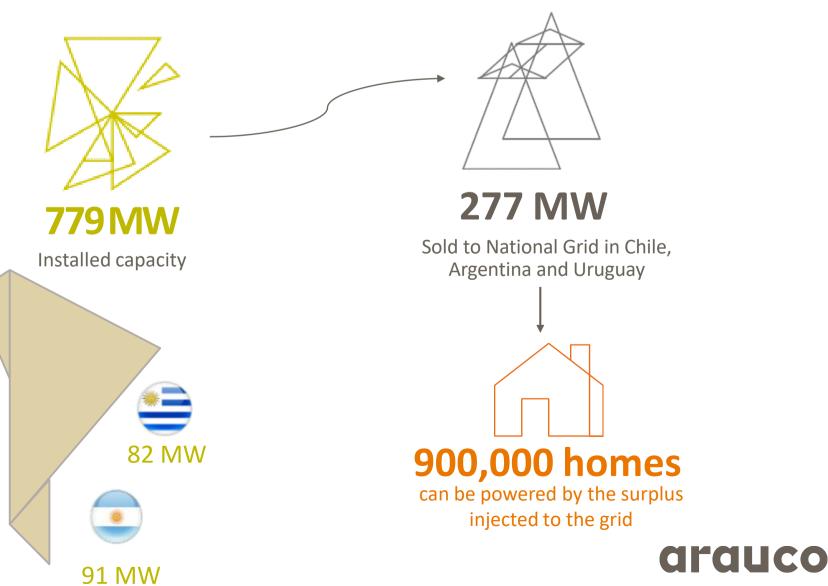
Arauco generates renewable energy from forestry biomass and uses it in the production processes.

In Chile, Argentina and Uruguay, we are self-sufficient in net electricity consumption and we sell the surplus to the local grid.

5 cogeneration plants in Chile and 1 plant in Uruguay are registered under the Kyoto Protocol Clean Development Mechanism (CDM).

We expect MAPA will generate an additional surplus of 142MW available for the national grid.



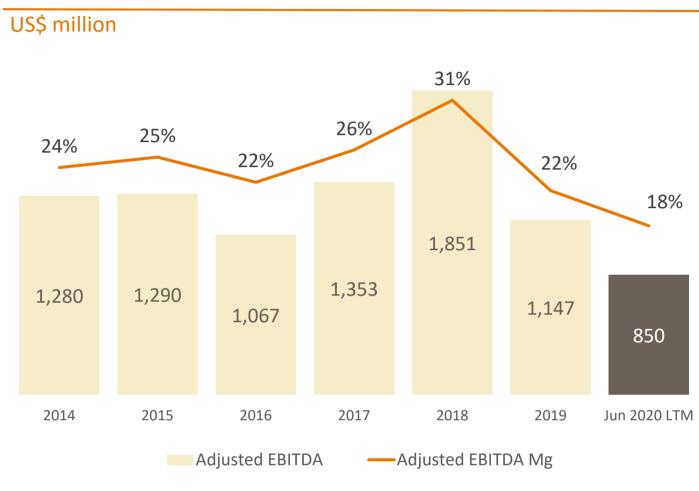




# FINANCIAL HIGHLIGHTS

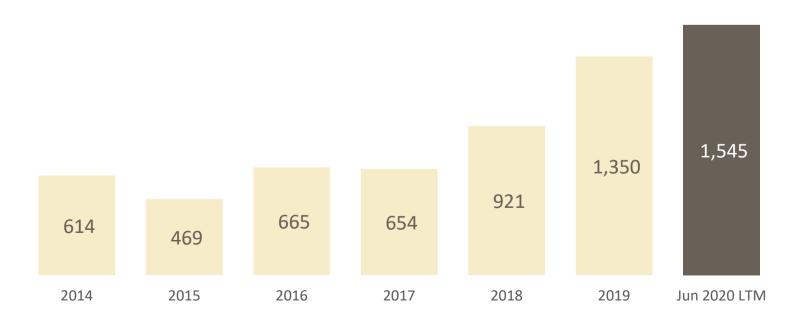
#### MAIN FIGURES

#### Adjusted **EBITDA**



CAPEX

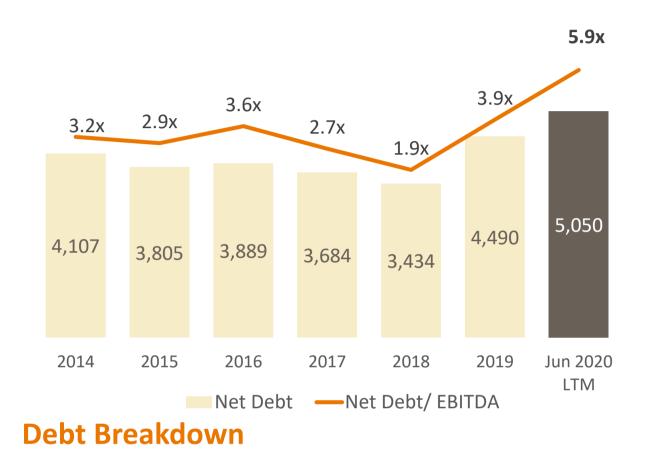
US\$ million

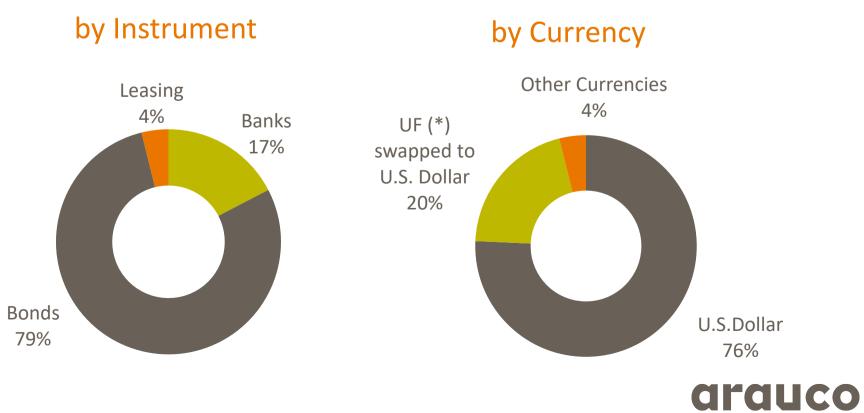


As of June 2020 (\*) UF or "Unidad de Fomento" is a Chilean inflation-indexed currency

#### **Net Debt**

US\$ million







# FUTURE INVESTMENTS



#### MAPA NEW PULP LINE AT ARAUCO MILL & COGENERATION PLANT

Modernization and Expansion of the Arauco Mill (MAPA) consists in the construction of a **third pulp line of 1.56 million tonnes of short fiber production capacity.** 



The investment for this project is approximately **US\$ 2,350 million**.

The Project also considers the shut down of Arauco's line 1 of **290 th. tonnes** of short fiber pulp once the new line (line 3) is operating, and the construction of a cogeneration plant that we expect will generate a surplus of 142 MW to be made available for the national grid.

It is expected that the new line will start its operations by mid-2021, increasing ARAUCO's total pulp production capacity to more than **5 million tonnes**.



#### MAPA PROJECT TIMELINE





#### July 2018

The Board of Directors approved the MAPA Project.

#### February 2019

Earth-moving works start.

#### April 2011

Arauco's first environmental studies for MAPA Project.

#### October 2018

Arauco signed main equipment contracts with Andritz and Valmet

#### April 2019

On April 1st, 2019, Arauco signed an ECA\* agreement for a total of Eur 555 million. This financing is mainly associated with the suppliers contracts signed on October 2018.







May 2019 Contracts awarded for construction companies, totaling approximately US\$ 680 million.

#### End of July 2020: 57% advance

Most of the critical equipment is on-site and construction continues.

#### 2021

The new Line 3 is expected to start operating by mid-2021, while Line 1 is shutdown.



## SUSTAINABILITY



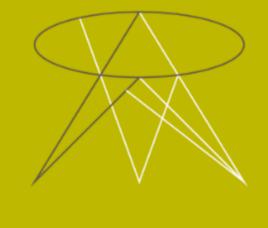




## SUSTAINABILITY STRATEGY

**Combining science**, innovation and technology with the goal of unlocking the full potential of our plantations.

**Developing high standard**, quality-oriented products that always aim to be the superior choice for our customers.



### Towards a Bioeconomy

Responsibly managing our operations using best-in-class environmental practices and promoting the safety of ARAUCO's workers.

Being a virtuous actor in the areas where we maintain operations to become an active agent for their social and economic development.

With products that come from responsible management of natural and renewable resources

## SUSTAINABILITY STRATEGY

### **Global Change**

Our commitment to sustainable development is a response to the challenges posed by climate change and population growth.

#### COMMITMENT

Capture more greenhouse gas emissions than it emits globally RENEWABLE RESOURCE Solutions to fulfill the world's demand, while keeping our planet in balance

ARAUCO also announced its intention to align with the "Science Based Targets"

# CARBON NEUTRAL 2020

ARAUCO anticipates it will be the first company in our industry to certify achieving this important goal



## SUSTAINABILITY STRATEGY

#### **Engagement with**



# ZZO

## communes



programs with communities



In alignment with the UN





Source: ARAUCO Sustainability Report

Around **US\$56** million

#### We maintain and protect,



Areas of High Biological **Conservation Value** 



Areas of High Social, Cultural or Religious Conservation Value



#### FOR FURTHER INFORMATION, PLEASE CONTACT:

Marcelo Bennett, Treasurer marcelo.bennett@arauco.com Phone: (562) 2461 7309

Gonzalo Jofré, Investor Relations gonzalo.jofre@arauco.com Phone: (562) 2461 7494

investor\_relations@arauco.com

For further information, please visit www.arauco.com