



Corporate Presentation

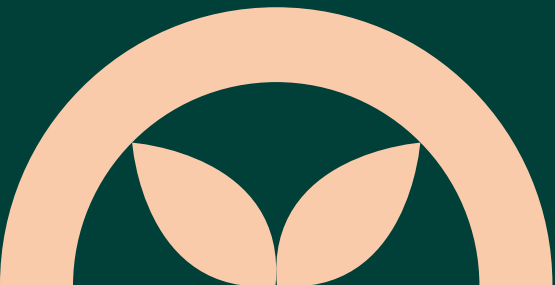
Agenda

01 About Us

02 Sustainable Palm Oil

03 Environmental Initiatives

04 Social Initiatives

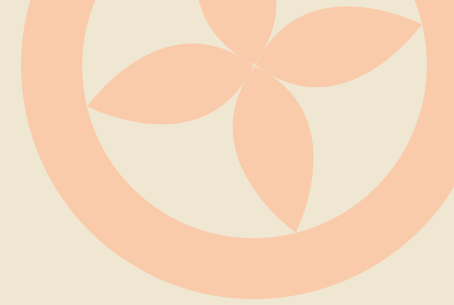


01

About Us

About Musim Mas

Our History



Started the first palm oil refinery in Indonesia

1970



Started oleochemicals plant

2003



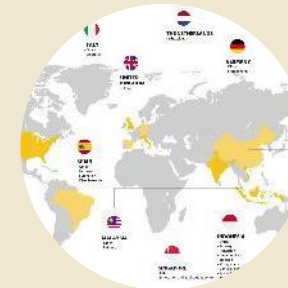
1932

Nam Cheong Soap Factory



1988

Started plantation in Rantau Prapat, North Sumatra



2021

Fully integrated palm oil corporation across 13 countries

About Musim Mas

Musim Mas at a Glance



Singapore

Headquarters



37,000

Worldwide Employees



13 Countries

Operational presence



Products sold globally



\$7 billion

Total sales (FY2020)

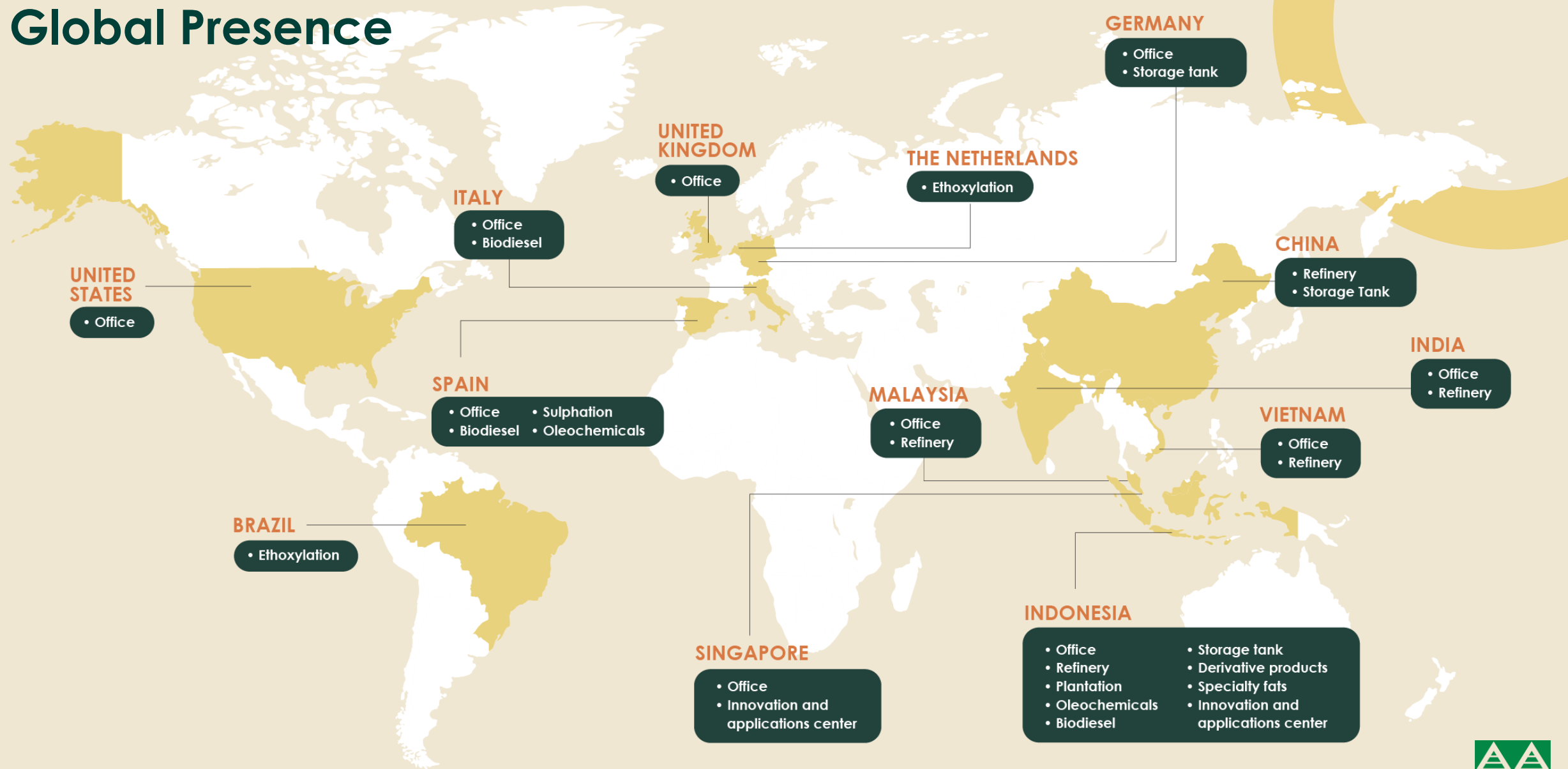


9.5 million tonnes

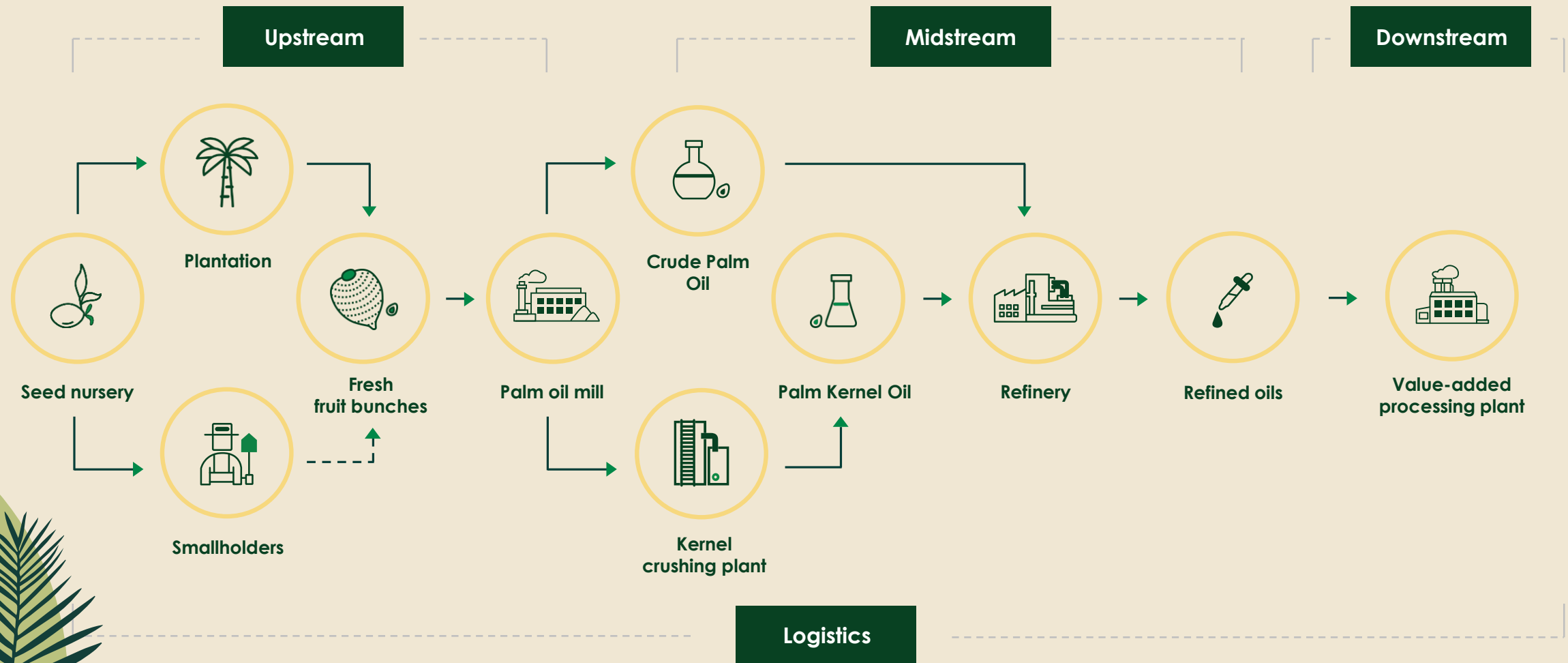
Sales volume (FY2020)



Global Presence

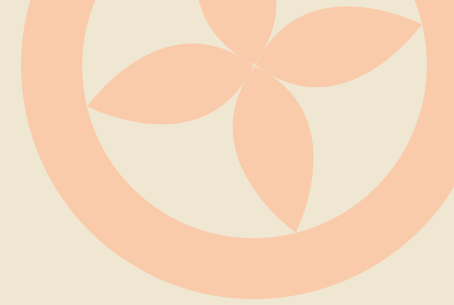


Integrated Business



About Musim Mas

Product Applications



Animal Nutrition



Biofuels



Commodities



Consumer Products



Food & Beverage



**Healthy & Dietary
Supplements**



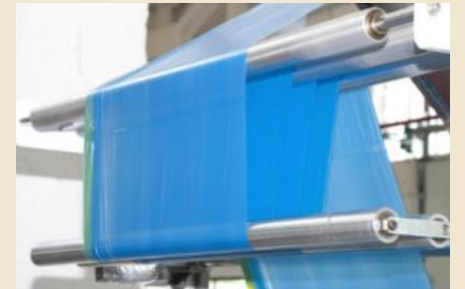
**Home Care, Personal
Care & Cosmetics**



Industrial



Pharmaceutical



Polymers & Plastics

02

Sustainable Palm Oil

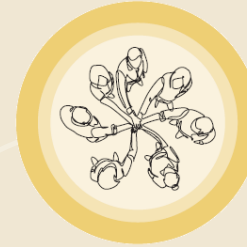
Musim Mas Four Policy



Improve
the Lives of
**Smallholders,
Workers, and
Communities**



Deliver
**Positive
Environmental
Impacts**



Maintain
Responsible
and Enduring
Relationships
with **Suppliers,
Customers, and
Stakeholders**



Drive
Innovation
in **Sustainable
Practices**

Musim Mas Sustainability Policy

- Announced on **4 December 2014** and Updated on **9 September 2020**.
- Affirms the Group's commitment towards sustainable palm oil.



Our Sustainability Milestones



First in Indonesia to join RSPO¹



First smallholder scheme in Indonesia to attain RSPO¹ certification



Published comprehensive sustainability policy extended to third-party suppliers



- First palm oil major to be POIG³-verified
- First palm oil mill globally to be certified against RSPO¹ P&C 2018



- Launched Social Impact Report
- Achieved 100% RSPO¹ P&C Certification

2004

2009

2010

2012

2014

2018

2019

2020

2021



First plantation in Indonesia to attain RSPO¹ certification



First to receive certification for ISPO²



Launched first Sustainability Report



- Updated Sustainability Policy
- Integrated independent smallholders into the sustainable palm oil supply chain

Notes:

¹ Roundtable on Sustainable Palm Oil

² Indonesian Sustainable Palm Oil

³ Palm Oil Innovation Group

RSPO Principles & Criteria (2018)



Palm Oil Innovation Group

- Other POIG members include sustainability leaders such as Agropalma and Daabon, Danone and Ferrero, as well as NGOs such as Forest Peoples Programme, Greenpeace, Rainforest Action Network and WWF.
- Members are committed to the POIG Charter:
 - Support the RSPO and innovate on RSPO existing standards and other critical issues.
 - Focus on environmental responsibility, communities, and corporate and product integrity.
 - Create innovations in the palm oil industry and promote these innovations.
 - Break the link between palm oil and deforestation, and human, land and labour rights violations.



**We joined POIG
on 16 Nov 2015**

03

Environmental Initiatives

Reduce Greenhouse Gas Emission*

* Within own operations



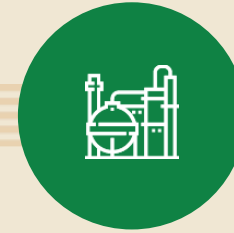
Estate

- No development on primary forest, HCV and HCS forest
- No new development on peatland
- Zero burning
- Trucks powered by biofuel



Mill

- Use biomass as energy feedstock
- Capture methane gas from mill effluent (all mills)
- Net positive energy balance



Refinery

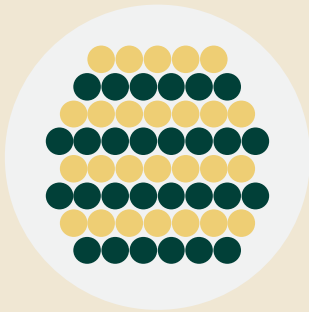
- Use biomass as energy feedstock



Processing Plant

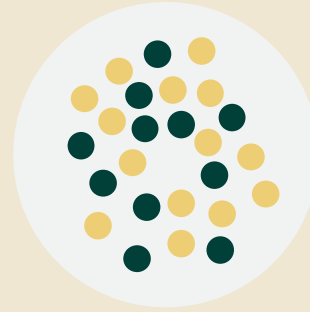
- Use biomass as energy feedstock
- Some of the processing plants are 100% powered by biomass

Our Mill Feature: Zero Discharge Mill



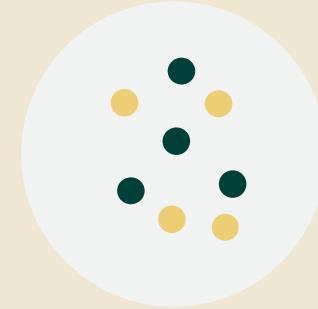
Solid

- Press cake fiber, empty fruit bunch fiber and kernel shells used as fuel
- Decanter solid used as fertilizer



Liquid

- Palm oil mill effluent undergoes anaerobic digestion to produce methane gas
- Palm oil mill effluent use as organic fertilizer in plantation



Gaseous

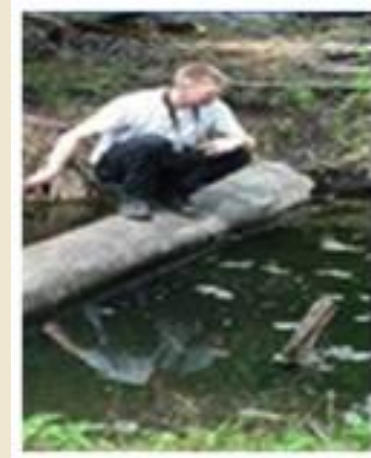
- Boiler chimney discharge to the atmosphere is smoke-free
- Methane gas is captured as biogas to power the housing complex

These features are not commonly found in the industry

Research Collaboration with Universities



- **Biodiversity management in oil palm** - Princeton University, USA (Biodiversity Research Project)
- **Social impact and management in oil palm** - Helsinki University, UNRI, IPB
- **High conservation values management in oil palm** - Oxford University, UK
- **Minimising social environmental impacts** - Collaboration with ETH Zurich



04

Social Initiatives



Largest Independent Smallholders Program

Preventing deforestation and improving livelihoods through teaching Good Agricultural Practices, improving farm productivity, and supporting smallholders' access to markets through certifications.

**32,101** **Smallholders engaged**

**68,771** **Hectares**

**2,092** **Smallholders RSPO certified**

* Data as of December 2020



Partners:



Scheme Smallholders

 Smallholder Cooperative (Kredit Koperasi Primer Anggota)

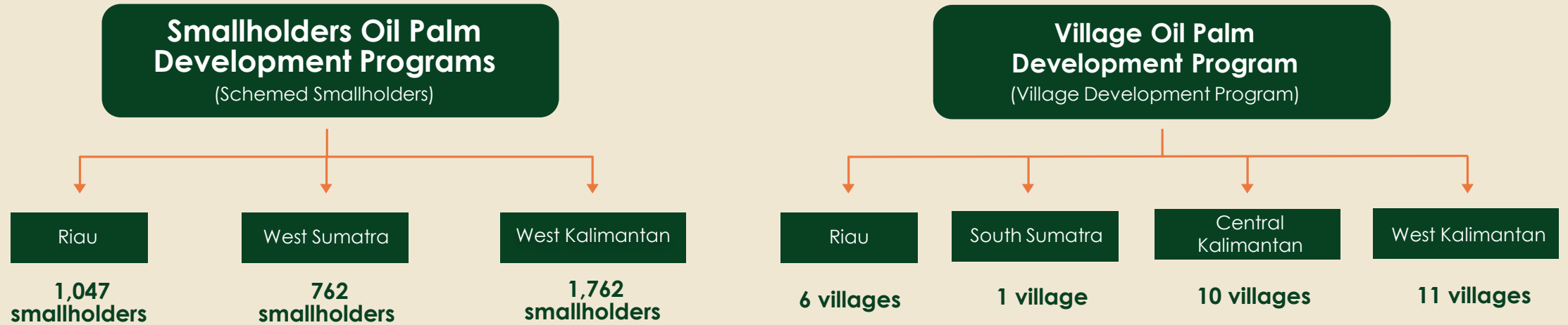
 Village Development Programme (Kas Desa)

Independent Smallholders

 Own Mills

 Third-party Supplier Mills

Smallholder Initiatives



* Data as of December 2020

Free primary education for all of the children



Social Initiatives

Tertiary Education



Tanri Abeng
University (TAU)
South Jakarta



Bogor Agricultural
University, Bogor, West
Java Province



Faculty of Economics,
University of North Sumatra,
Medan, North Sumatra



National University of
Singapore, Singapore



Conclusion

Musim Mas will continue to engage stakeholders to incorporate their feedback into the sustainability strategy.

Musim Mas firmly believes that palm oil industry should keep moving ahead, balancing the needs of social development and environment protection.

Musim Mas will continue its sustainability journey to produce palm oil in an environmentally friendly, socially acceptable and economically viable manner.



Thank You!