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**ANTHONY  
K.VEERAYAN**

MANAGER, SCIENCE, ENVIRONMENT &  
SUSTAINABILITY, MPOC  
[anthony@mpoc.org.my](mailto:anthony@mpoc.org.my)

A vertical strip on the left side of the slide showing various tropical leaves, including palm fronds and broad, dark green leaves.

# Sustainability and Conservation Efforts in Malaysian Palm Oil Industry

A vertical strip on the right side of the slide showing a close-up of a tiger's face, looking directly at the camera.

# CONTENT



## THE OIL PALM

Introduction to  
Malaysian Palm Oil



## CONSERVATION

Conservation Efforts in  
Malaysian Palm Oil  
Industry



## SUSTAINABILITY

Misinformation on  
Palm Oil Sustainability



## INFO

Conclusion & Further  
Info



01



# The Oil Palm





“It has the scent of violets, the  
taste of olive oil and a colour  
which tinges food like saffron  
but is more attractive”.

—15th century Portuguese  
explorer:

# OIL PALM (*Elaeis guineensis* Jacq.)

1875 – Introduced in Malaya as an ornamental plant

1917 – Henri Fauconnier established the 1<sup>st</sup> commercial oil palm plantation

- Tennamaram estate, Batang Berjuntai, Selangor

2020 – After 103 years, Malaysia has 5.9M Ha of oil palm plantation



# DID YOU KNOW THIS?



## THE OIL PALM

- Perennial plant with a productive life span of 28-30 years
- Most productive among all oil crops
- Producing about 4.4MT oil/Ha/yr
- Produce 6x more oil than Rapeseed
- Produce 7x more oil than Sunflower
- Produce 9x more oil than Soybean

# DRIVER OF ECONOMY AND PROSPERITY

## ECONOMY

Malaysia is the second largest producer of palm oil in the world



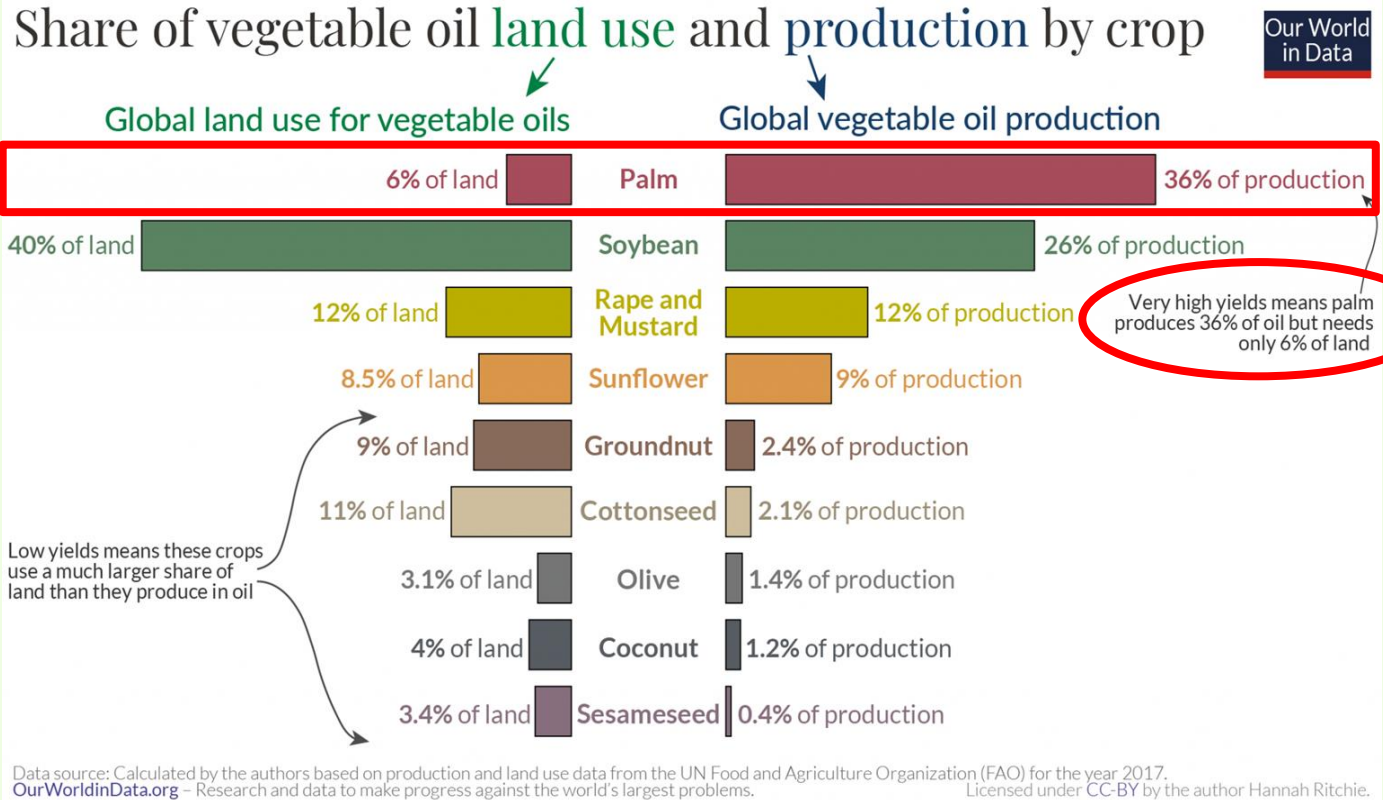
## PROSPERITY

Provides livelihood to millions of Malaysians, including more than 500,000 small farmers.

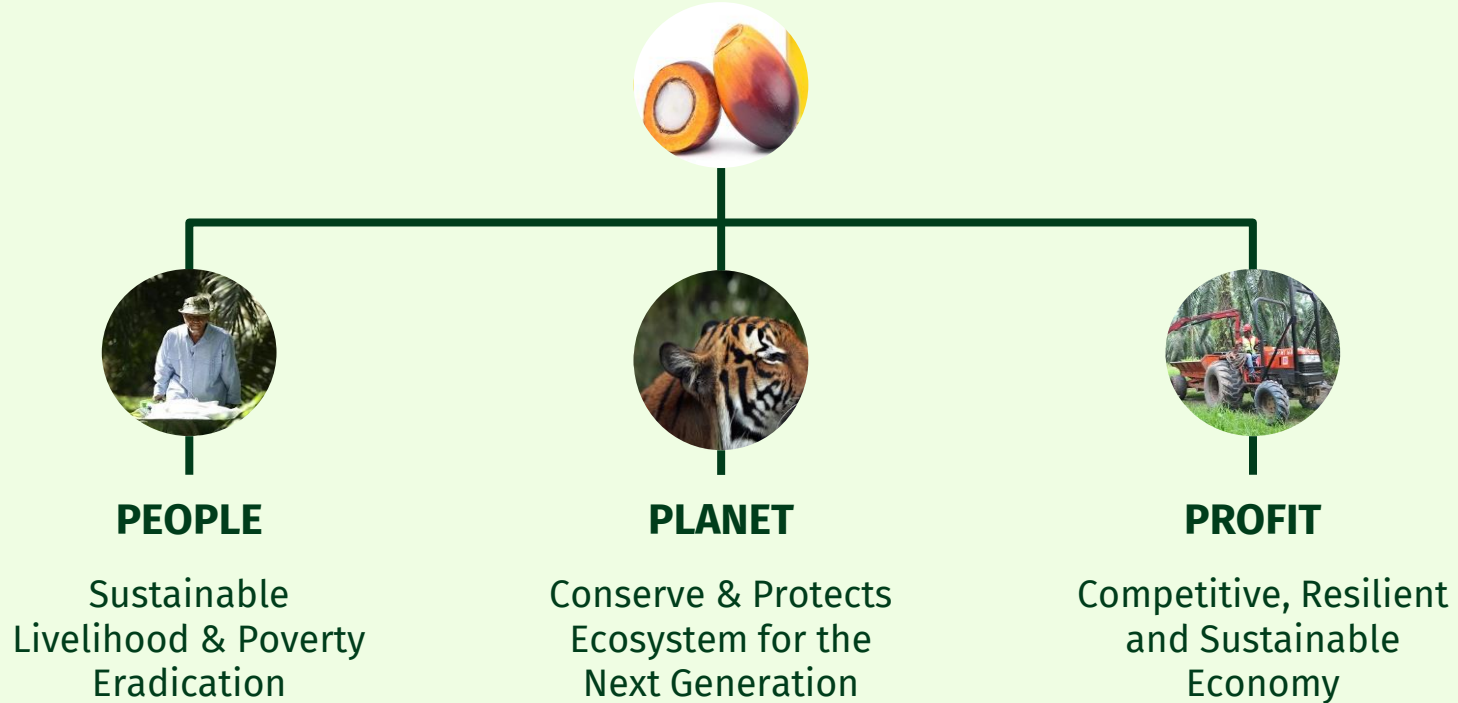
## PRODUCTIVITY

More than 3 billion people from more than 150 countries uses palm based products due to its versatility and productivity

# Palm oil is the most productive and cost-efficient oil



# THE THREE PILLARS OF SUSTAINABILITY



# INDUSTRY GOVERNANCE



Under the Ministry of Plantation Industries and Commodities (MPIC)

## **Ministry of Primary Industries & Commodity**

Commodities: Oil Palm,  
Rubber, Timber, Cocoa, Kenaf,  
Tobacco & Pepper.

## **Malaysian Palm Oil Board**

Research & Licensing  
Body

## **Malaysian Palm Oil Certification Council**

Sustainability  
Certification Agency

## **Malaysian Palm Oil Council**

Palm Oil  
Promotion Agency

# RURAL POVERTY ERADICATION

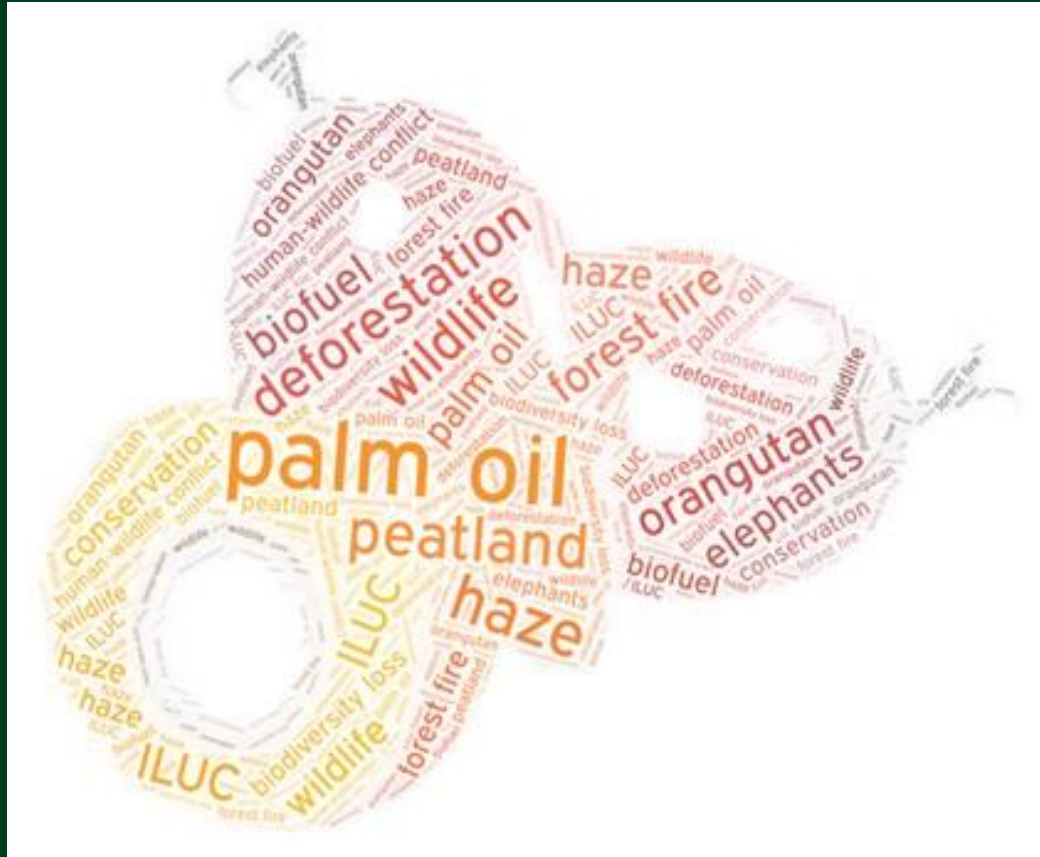


- The FELDA scheme played a major role in poverty eradication of the rural poor
- The scheme successfully raised the average net monthly income of FELDA settlers to a level above the poverty line
- World Bank recognised the FELDA initiative as one of the best in uplifting poverty



02

SUSTAINABILITY

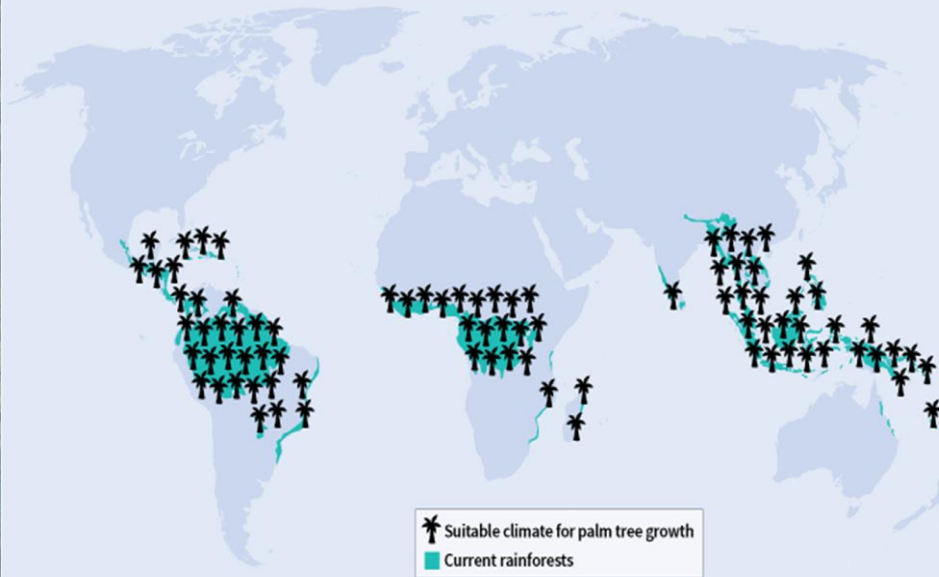


Exactly Why  
It Gets Such  
A Bad Rap?

# OIL PALM CULTIVATION

## Rainforests and palm oil: competition for land?

Palm oil production occurs mainly where rainforests are situated, leading to deforestation

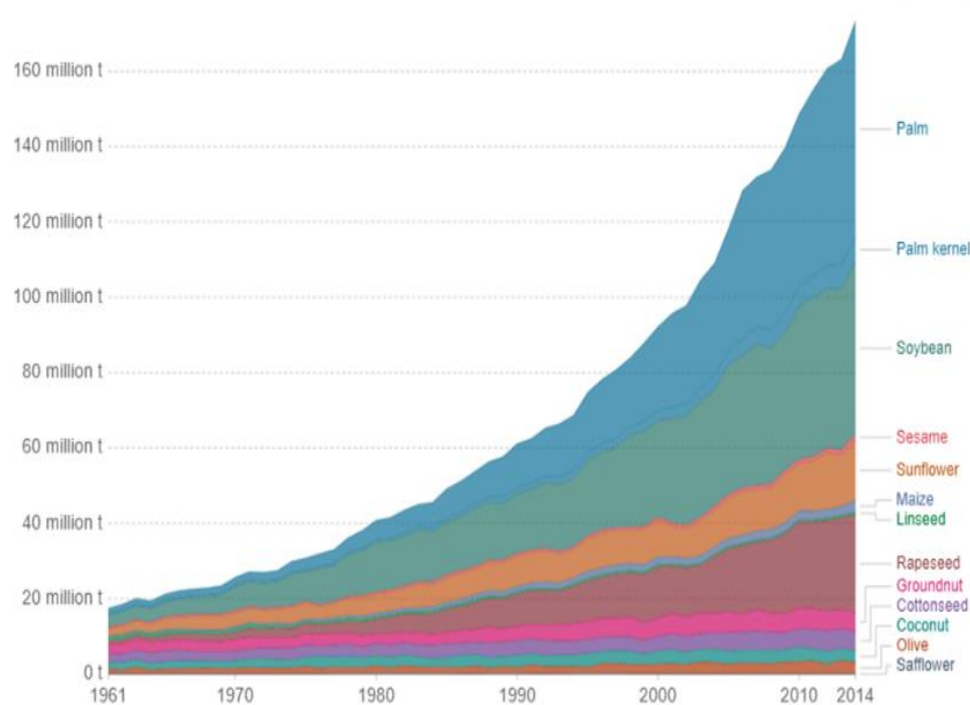


**Palm Oil's bad rap is due to its region of cultivation which is the tropics**

# GLOBAL OILS & FATS MARKET



Vegetable oil production, World

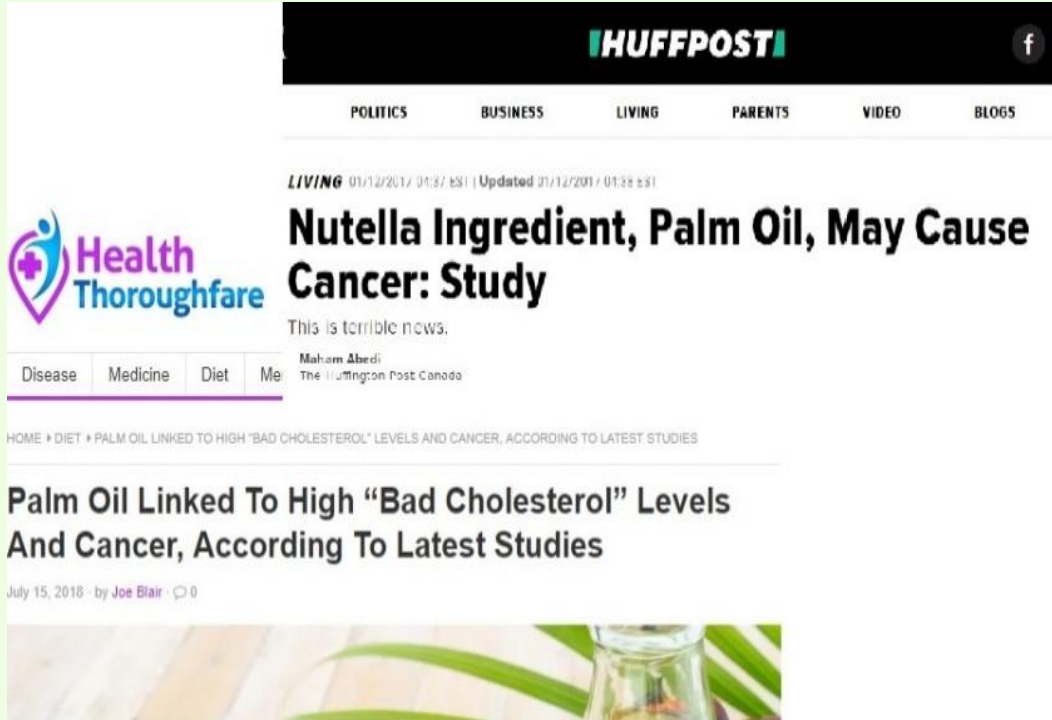


Source: UN Food and Agriculture Organization (FAO)

CC BY

**Palm Oil took over the global oils & fats market due to its productivity and versatility**

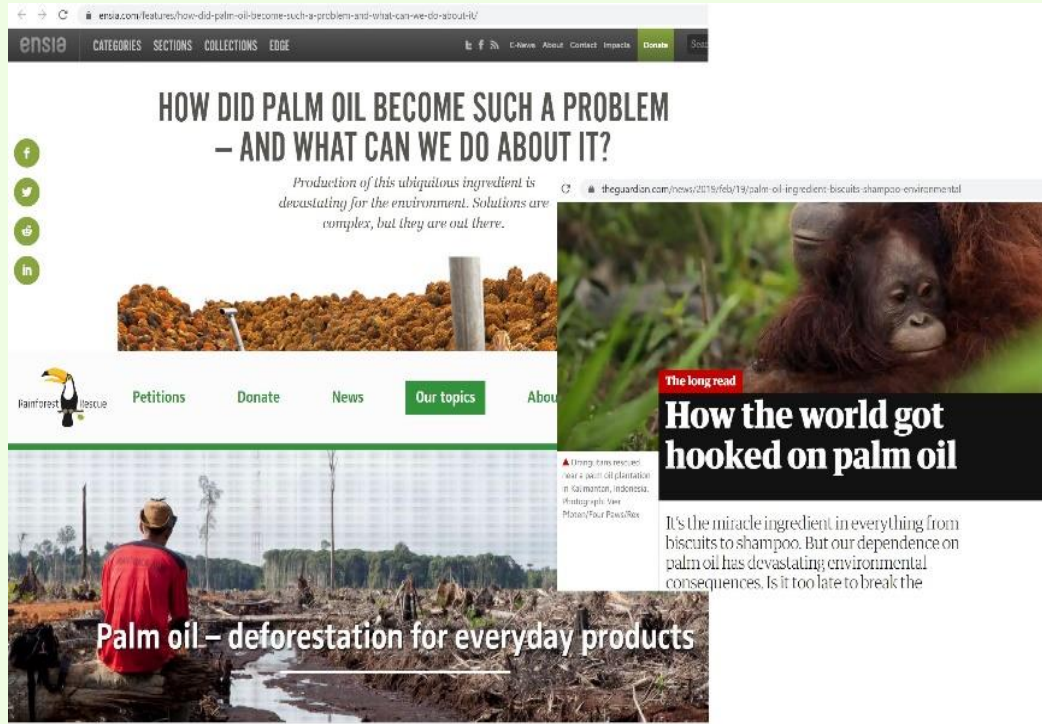
# MISINFORMATION ON PALM OIL



## Misinformation on Health and Nutrition:

- Contains bad cholesterol
- Full of saturated fats
- Causes cardiovascular diseases
- Highly processed
- May cause cancer

# MISINFORMATION ON PALM OIL



## Misinformation on Environment & Biodiversity:

- Deforestation
- Habitat
- GHG emission
- Climate change

# MISINFORMATION ON PALM OIL



The screenshot shows the WWF website's 'Our topics' section. A green banner at the top reads 'in topic: Palm oil – deforestation for everyday products'. Below this, a text snippet states: 'recent widespread investment in oil palm plantations and biodiesel refineries, this may have been optimistic. New estimates suggest that 98% of the forest may be destroyed by 2022, the lowland forest much sooner.' A blue highlighted box contains the text: 'Today, rainforest area the equivalent of 300 soccer fields is being destroyed every hour. This gives rise to numerous problems for the climate, environment, and people living in the forest.' Below this, two bullet points are listed: '• CO<sub>2</sub> emissions – In preparing rainforest land for a palm oil plantation, the most valuable trees are cut down and removed first. What remains is cleared by burning. If the forest was on peatland – as is the case in much of Indonesia – the land is drained. Peatlands store vast quantities of carbon, and the conversion of a single hectare of Indonesian peatland rainforest releases up to 6,000 tons of CO<sub>2</sub>. Tropical deforestation is currently responsible for about 18 percent of greenhouse gas emissions, making it a significant contributor to climate change (see 4. Intergovernmental Panel on Climate Change, IPCC).' and '• Loss of biodiversity – Indonesia's rainforests and peatlands are among the world's most species-rich environments and home to numerous endangered plants and animals, such as orangutans, Sumatran tigers and Bornean rhinos. The destruction of natural habitats deprives the animals of the basis for their existence, causing an irreversible loss of biological diversity.'

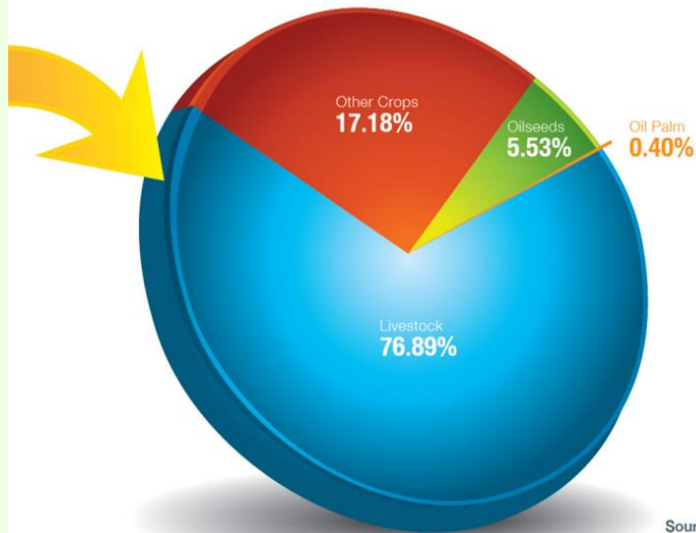
**Misinformation: A forest area equivalent to 300 football fields are felled every hour to make way for palm oil to be grown**  
- WWF

**Fact: 1 football / soccer field  
= 0.70 Hectares  
300 x 0.70 Ha x 24 Hrs (in a Day) x 365 Days (in a Year)  
= 1.8 Million Hectares / Year**

**Current Planted Area: 5.9 million hectares (in 103 years of planting)**

# MISINFORMATION ON PALM OIL

WORLD AGRICULTURAL AREA  
OF 4.9 BILLION HECTARES



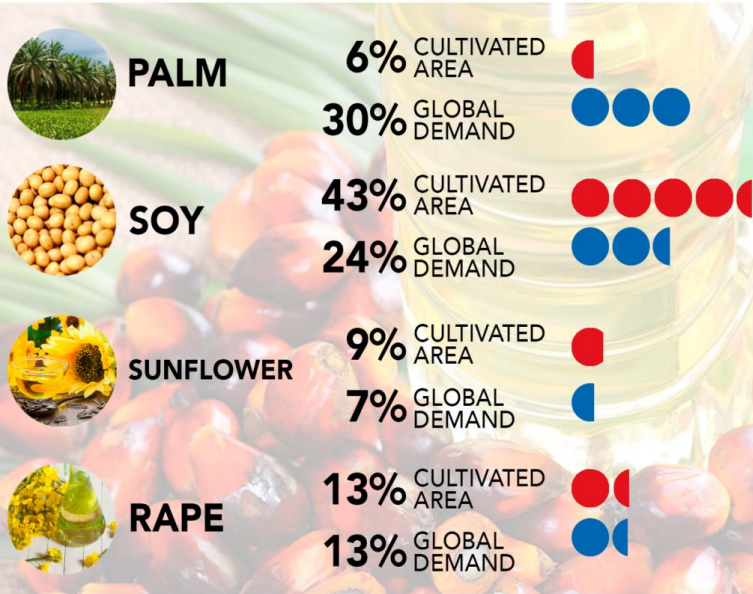
Source:  
FAO (2016)  
Oil World (2018)

**Misinformation: Palm Oil Industry is the major cause of deforestation**

**Fact: Cattle Ranching & Livestock industry is the main contributor of deforestation in the world**

# MISINFORMATION ON PALM OIL

## WHAT IS THE MOST SUSTAINABLE OIL?



**ForFreeChoice**

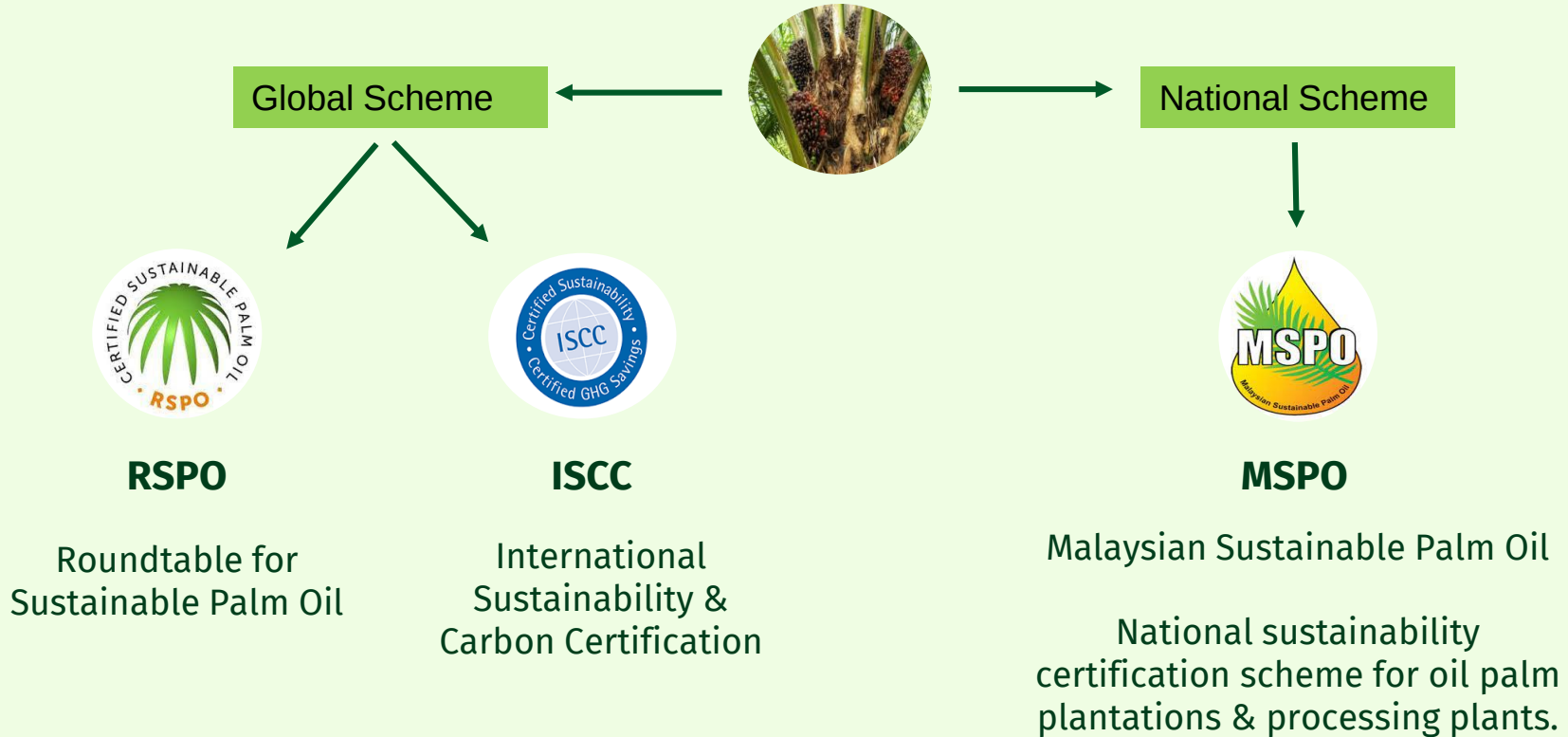
Defending Consumers' Rights To Free Choice

**Misinformation: Palm Oil is not sustainable**

**Fact: Palm oil is the first oil to be certified sustainable in the world.**

**It is a perennial plant which uses less land to produce the most of oil yield which makes it cost effective while being a versatile oil to be used in many products.**

# PALM OIL SUSTAINABILITY CERTIFICATION



# MISINFORMATION ON PALM OIL



**Misinformation: Deforestation poses a serious threat to Malaysia's biodiversity**

**Fact: Malaysia is committed to keep at least 50% of our forest intact and has strong biodiversity policy to protect its flora & fauna**

# MISINFORMATION ON PALM OIL



**The orangutan image is extensively exploited in anti-palm oil campaigns.**

## **Why Orangutan?**

- Endemic to tropics**
- Endangered species**
- One of the Great Apes**
- Intelligent**
- Calm and subtle appearance.**

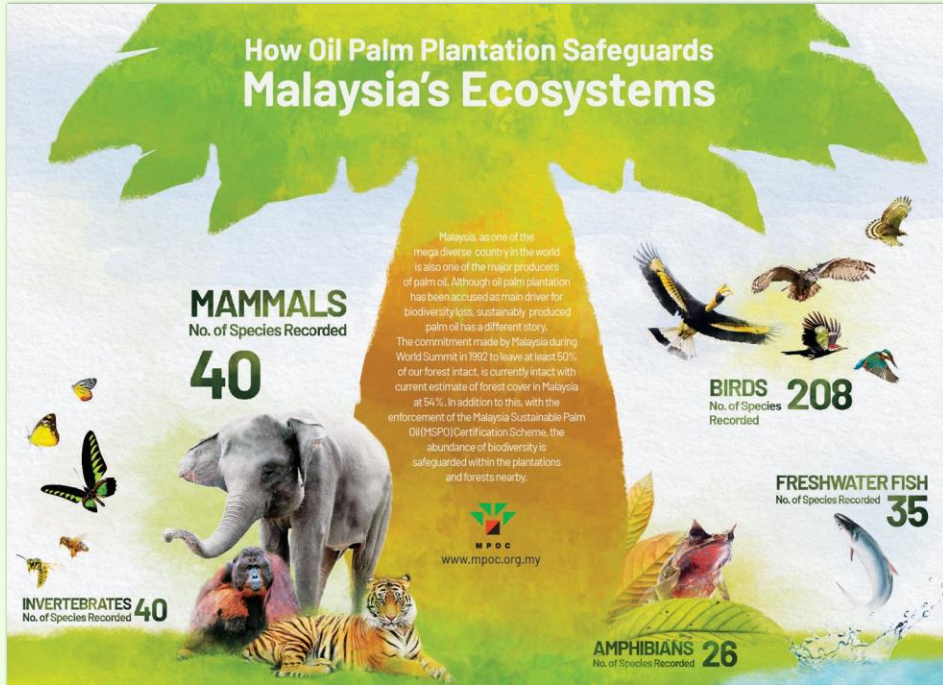
# MISINFORMATION ON PALM OIL



**Misinformation: 25 orangutans are lost everyday - Greenpeace**

**Fact: In Malaysia Borneo, studies show 12,000 orangutan individual in the wild (Sabah)**

# MISINFORMATION ON PALM OIL



**Misinformation: Oil palm plantations are biodiversity deserts**

**Fact: Oil palm plantation has the most diverse biodiversity among oil crops.**

**Big mammals such as Bornean orangutan, elephant & Banteng uses plantations & wildlife corridors for transit or migration.**

# “PALM OIL FREE” OR “NO PALM OIL” LABELS MISLEADING CONSUMERS



**Widespread  
throughout Europe  
(>2,000 products)**



**In 2013 Ferrero took  
legal action against a  
Belgian supermarket**



**These labels are  
considered illegal  
under the food law**



The palm oil industry is committed to safeguard biodiversity in various ways

# INTEGRATED PEST MANAGEMENT (IPM)



**Sustainable methods used to eliminate pest without damaging the environment and reduce the dependency on chemical pesticide.**

**Barn owl (*Tyto alba*) - used as biological control to manage the population of pests such as rats**



# INTEGRATED PEST MANAGEMENT (IPM)



## Beneficial Plants

**Senna**  
*Cassia cobanensis*  
(Family: Leguminosae)  
Provides shelter & food  
(nectar) for predatory insects.



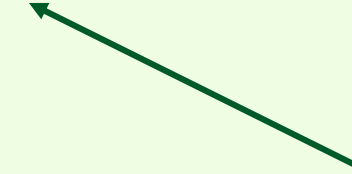
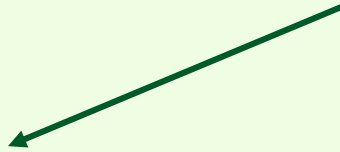
## Parasitoids

**Parasitoid wasp**  
Braconidae  
(Order: Hymenoptera)  
Regulates population  
of bagworm



## Pest

**Bagworm**  
*Metisa plana*  
(Class: Lepidoptera)  
Defoliator of oil palm



# ZERO BURNING POLICY



**This policy has been enforced in Malaysia since the 90s to prevent forest fire.**

**Old palm are felled and chipped to be used as mulching during replanting operation**

# HIGH CONSERVATION VALUE AREAS



**Identified as areas having importance to a specific site or at landscape level;**

- i. Biodiversity value**
- ii. Natural landscape**
- iii. Rare, threatened or endangered ecosystem**
- iv. Ecosystem services**
- v. Community needs**
- vi. Cultural & heritage sites**



CONSERVATION

03

# CONSERVATION EFFORT FROM THE INDUSTRY

The Malaysian Palm Oil Industry initiates and involves in various conservation activities of flora & fauna.



# MALAYSIAN PALM OIL GREEN CONSERVATION FOUNDATION (MPOGCF)



**MPOGCF**

**MPOGCF (previously known as  
MPOWCF)**

- Supports conservation initiatives and sustainable practices within industry**
- Supports reforestation programmes of degraded forests**
- Provides funding assistance for wildlife and biodiversity research**
- Provide funding for conservation activities**

# 1MILLION FOREST TREE PLANTING



- **Objective: Rehabilitating of 2,500ha with 1Million fast growing indigenous forest tree species**
- **Project Site: Lower Kawag, Ulu Segama- Malua Forest Reserve, Lahad Datu, Sabah**
- **Project Duration: 2019 – 2029**
- **Collaborator: Sabah Forestry Department**

# ELEPHANT GRASS PLANTING PROJECT



- **Elephant Grass Planting; A pilot project (2020- on going)**
- **Objective: Habitat enrichment for Bornean elephants and to encourage them to use the enriched wildlife corridors.**
- **Project Site: Telupid, Sabah**
- **Project Duration: 2 years**
- **Collaborator: Sabah Wildlife Department (SWD)**

# WILDLIFE RESCUE UNIT (WRU)



- **Objective:** Rescue of endangered wildlife found in the plantation & surrounding landscapes, and translocation into safe wildlife refugia

**Since 2010, WRU have rescued:**

- 266 Bornean elephants,
- 52 Bornean orangutans
- 32 proboscis monkeys,
- 62 estuarine crocodiles,
- 24 Malayan sun bears

**Including long-tailed Macaques, ambar deers and others.**

# BORNEAN ORANGUTAN & ELEPHANT POPULATION SURVEY



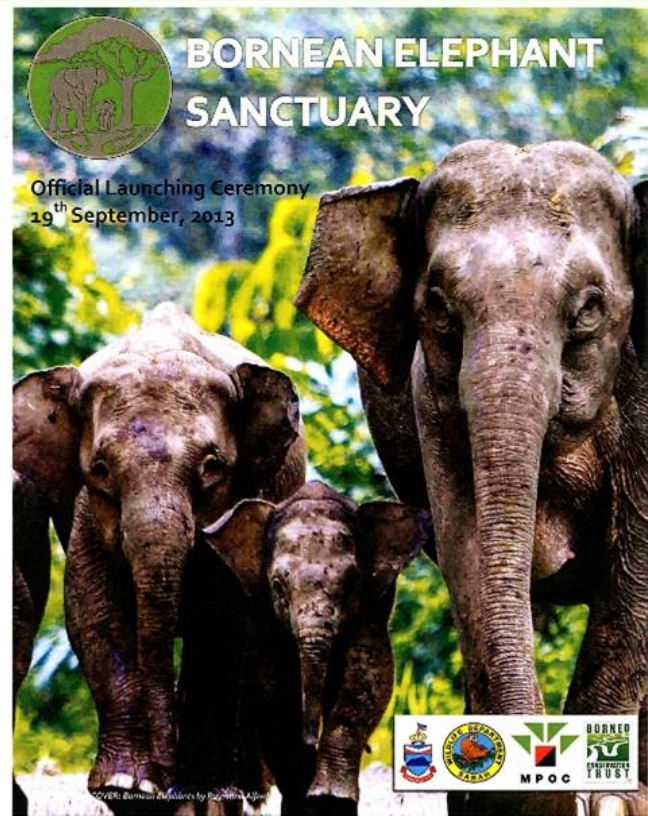
- **Objective:** To obtain the latest information on Bornean Elephant and Orangutan population thriving in Sabah to understand the conservation status of the species.
- **Project Site:** South-east Sabah
- **Project Duration:** 2020-2022
- **Collaborator:** Sabah Wildlife Department (SWD)

# TIGER CONSERVATION PROGRAMME



- **Objective:** To increase the population of Malayan tiger through captive breeding and to reintroduce the tiger cubs back into their natural habitat
- **Project Site:** Tiger Valley, Pahang
- **Project Duration:** 2021-2025
- **Collaborator:** Department of Wildlife and National Parks Peninsular Malaysia (PERHILITAN)

# BORNEO ELEPHANT SANCTUARY



- **Objective:** The Sanctuary was built in 2013 for rescued elephants that have been injured and orphaned baby elephants.
- **Rescued /orphaned elephants will be cared for & rehabilitated before being released back to the wild.**
- **Project Site:** Kinabatangan, Sabah
- **Project Duration:** 2021-2022 (phase 3)
- **Collaborator:** Sabah Wildlife Department (SWD)

The background of the slide features a close-up photograph of green, elongated leaves, possibly from a plant like a peace lily, with prominent veins. The leaves are set against a dark background, creating a high-contrast, naturalistic look.

# CONCLUSION

04

# THE MALAYSIAN PALM OIL INDUSTRY IS COMMITTED TOWARDS



**Economic  
Development**



**Elevating Poverty**



**Environmental  
Protection &  
Conservation**



**Quality Product  
and Development**



**Rural  
Development &  
Education**



**Sustainable  
Practices**



The Malaysian Palm Oil Industry continuously supports environmental & conservation projects and strongly support the sustainable practices with strong commitment towards various stakeholders for a sustainable future.

# THANKS!



**For more information you can browse our website and the social media platforms.**



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