



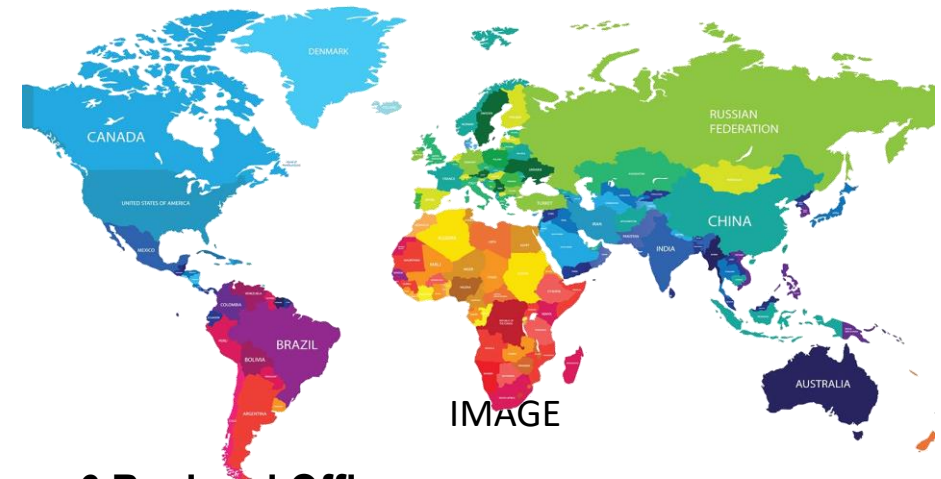
“RESEARCH FRONTIERS, TECHNOLOGY & APPLICATION OF PALM OLEOCHEMICALS ”

Speaker: Zainab Idris

“RESEARCH FRONTIERS, TECHNOLOGY & APPLICATION OF PALM OLEOCHEMICALS C//PAL III”

Conferencista: Zainab Idris

Malaysian Palm Oil Board (MPOB) is the premier government agency entrusted to serve the country's oil palm industry. Its main role is to promote and develop national objectives, policies and priorities for the well-being of the Malaysian oil Palm Industry. MPOB was incorporated by an act of Parliament (Act 582) and established on 1 May 2000, taking over, through a merger, the functions of the Palm oil Research Institute of Malaysia (PORIM) and the Palm Oil Registration and Licensing Authority (PORLA).



6 Regional Offices

- Brussels
- Cairo
- Karachi
- PORTSIM China
- Tehran
- Washington DC

Introduction

- The oleochemical industry is about manufacturing functional chemicals from agro-based oil and fat feedstock.
- The search for green and feasible production technology.
- Meeting the stringent environmental requirement in managing processing waste.
- Searching for potential investors and financial assistance are some of the issues and challenges faced by the global oleochemical industry players.

For Sustainable Development: People, Planet, Profit, Partnership & Peace



Our commitment to spearhead the research and development of oleochemicals in non-edible application continues.

Research highlights in the 3 following area:

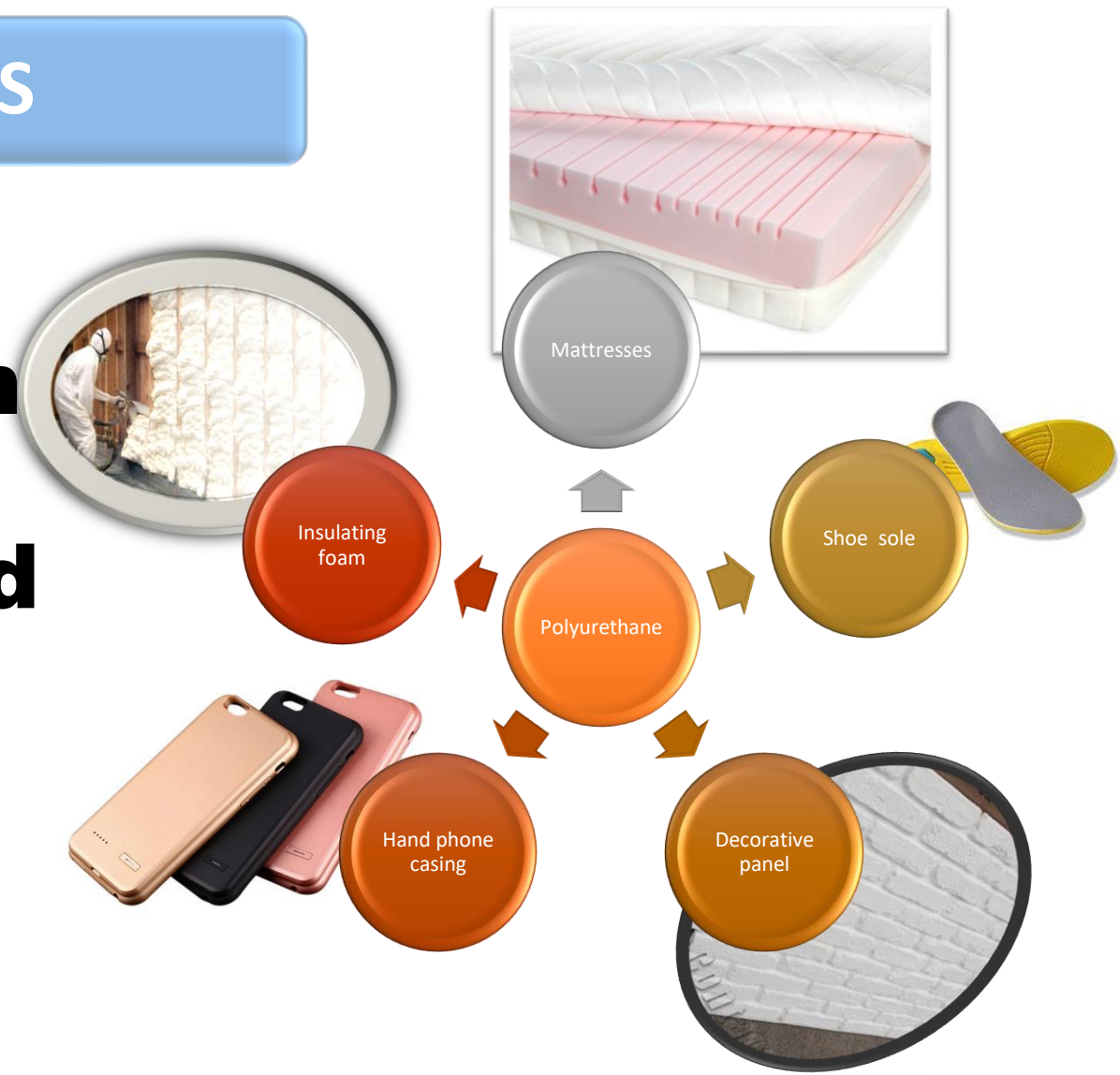
- Bio-based polyurethanes
- Bio-lubricant
- Skincare ingredient

This is in-line with our current focus in transforming palm oil into functional bio-based chemicals through Green Technology.

BIO-BASED POLYURETHANES

“Bio-based polyurethanes in synergy with petroleum-based counterpart”

1. Cost efficient
2. Performance booster
3. Environmental protection



BIO-LUBRICANT

1. Reduce Friction and Wear
2. Cooling Heat Transfer
3. Clean carbon and Varnish deposits
4. Protection against acids and moisture
5. Sealing Oil film between piston ring and linear
6. Transmit Power Function



Automotive
lubricants

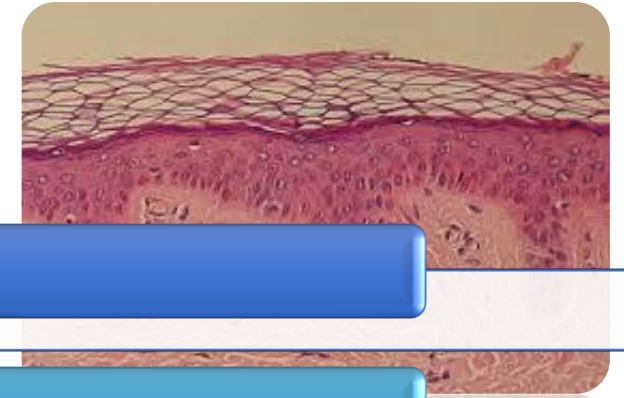
Industrial
Lubricants

Greases

Specialty
products



SKIN CARE INGREDIENT



Compliance to Sustainable Development Requirement



MPOB's Research Plantations are MSPO Certified



MPOB's Research and Development Activities received ISO 9001: 2015 certification



MPOB's Laboratory test facilities comply with OECD-GLP : Ecotoxicity and Biodegradability

Thank you for your attention