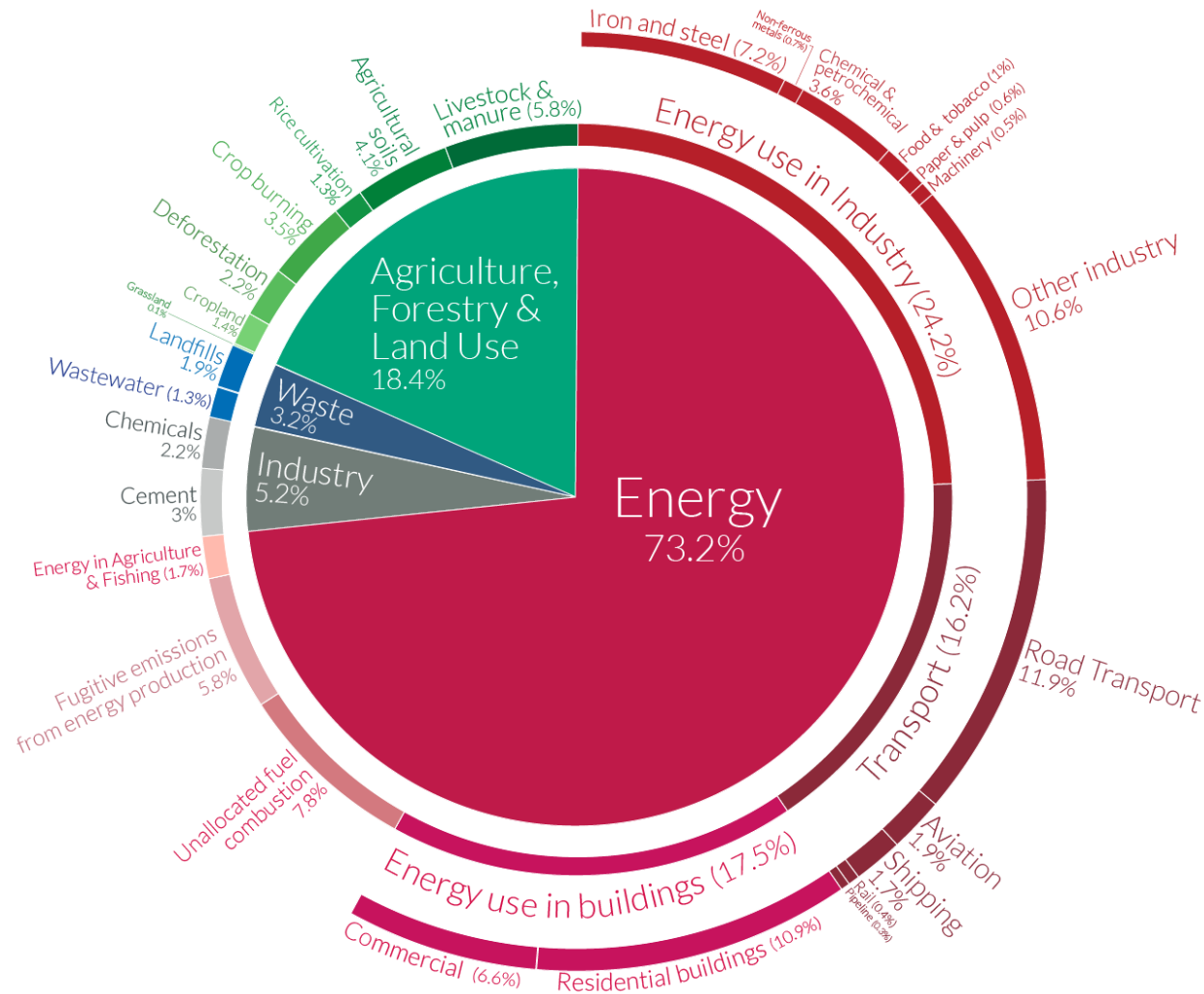


Thailand - Taiwan Industrial Collaboration on Carbon Reduction and High-Value Development in Functional Food



- **Dr. Visit Limlurcha**
- Vice Chairman of Thai Chamber of Commerce 
- President of Thai Future Food Trade Association 
- Honorary President of Thai Food Processors' Association 

Global Greenhouse Gas Emission by Sector



World emits **50** billion tonnes CO₂eq of greenhouse gases each year



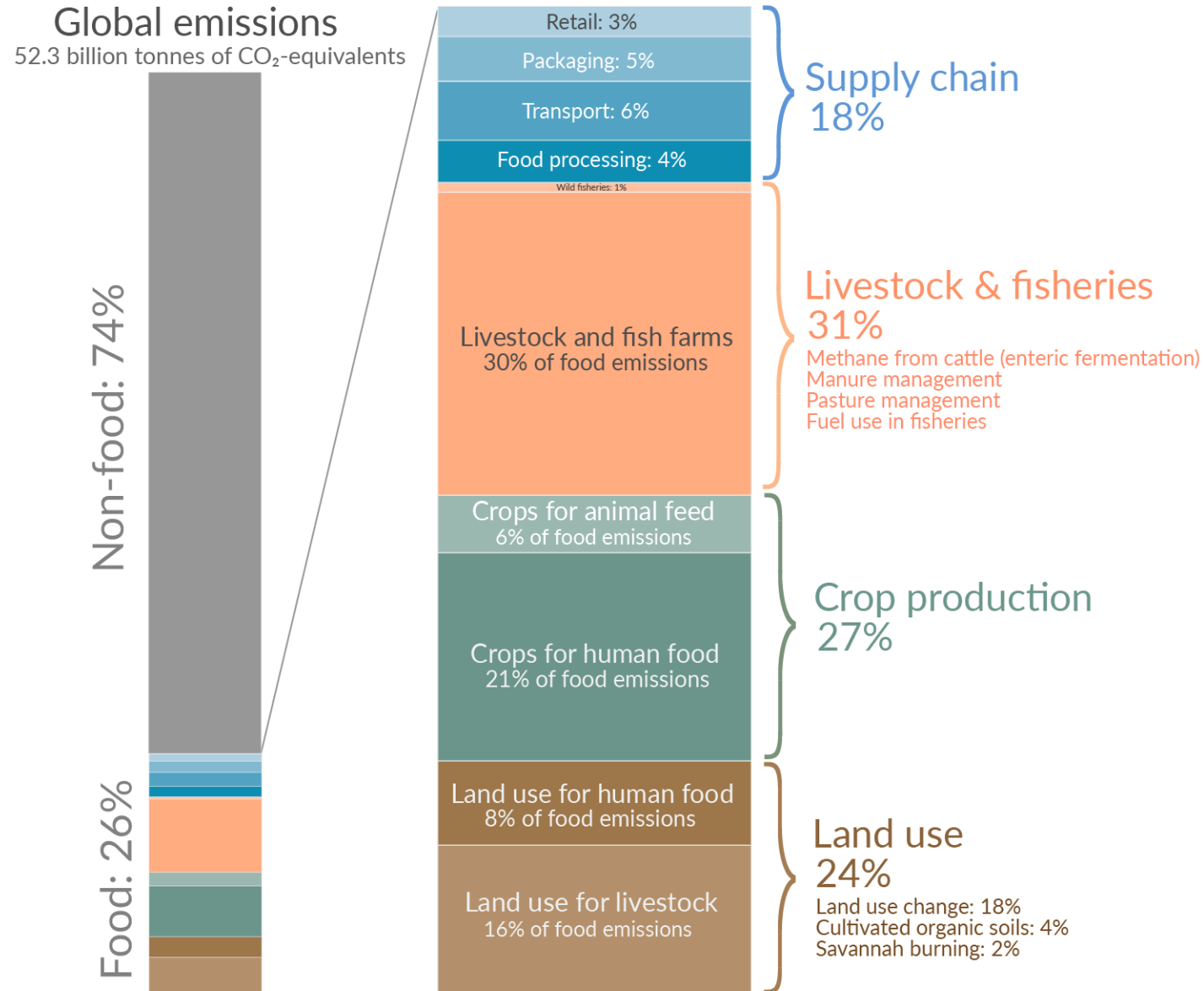
Thailand's Carbon Emission Target



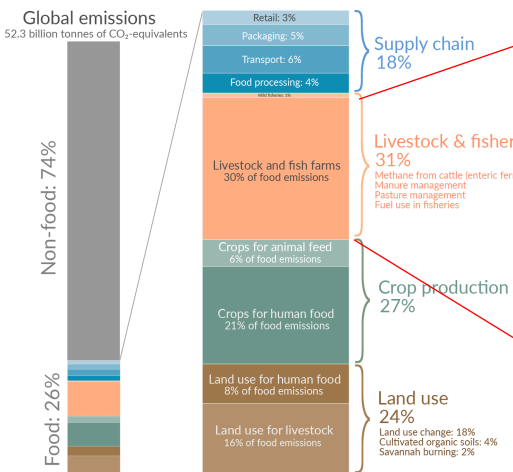
2050 >> CARBON NEUTRAL
2065 >> NET ZERO GHG EMISSION



Global Greenhouse Gas Emission from Food Production



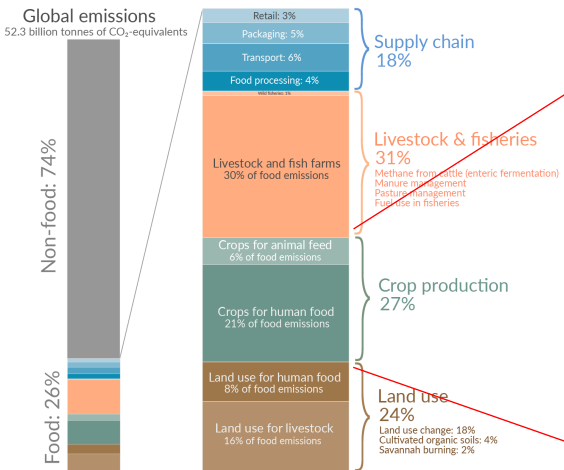
Global Greenhouse Gas Emission from Food Production



Livestock & fisheries
31%
Methane from cattle (enteric fermentation)
Manure management
Pasture management
Fuel use in fisheries



Global Greenhouse Gas Emission from Food Production



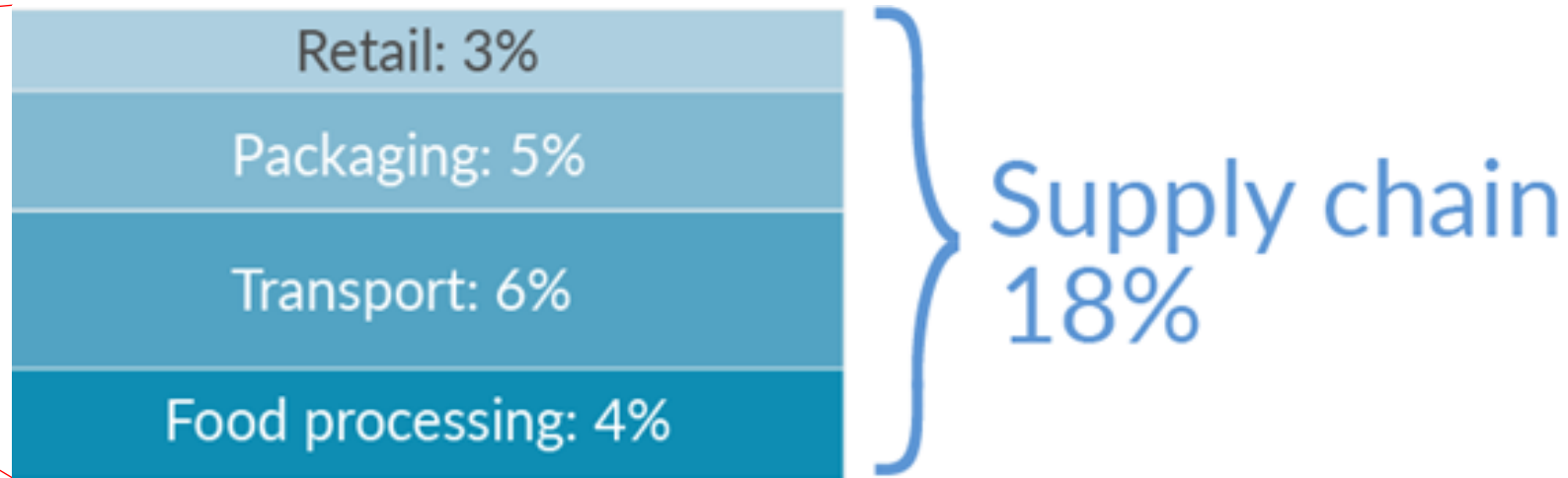
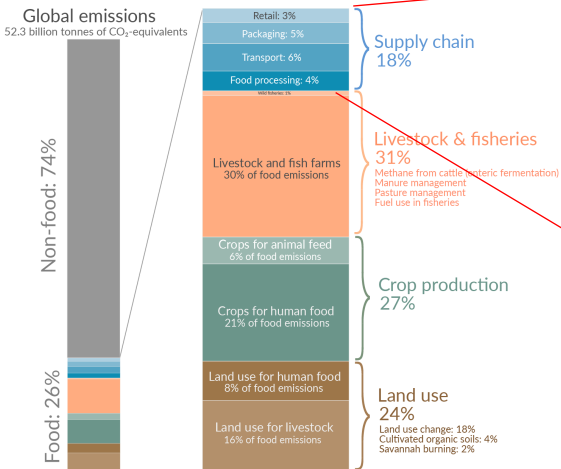
Crop production
27%



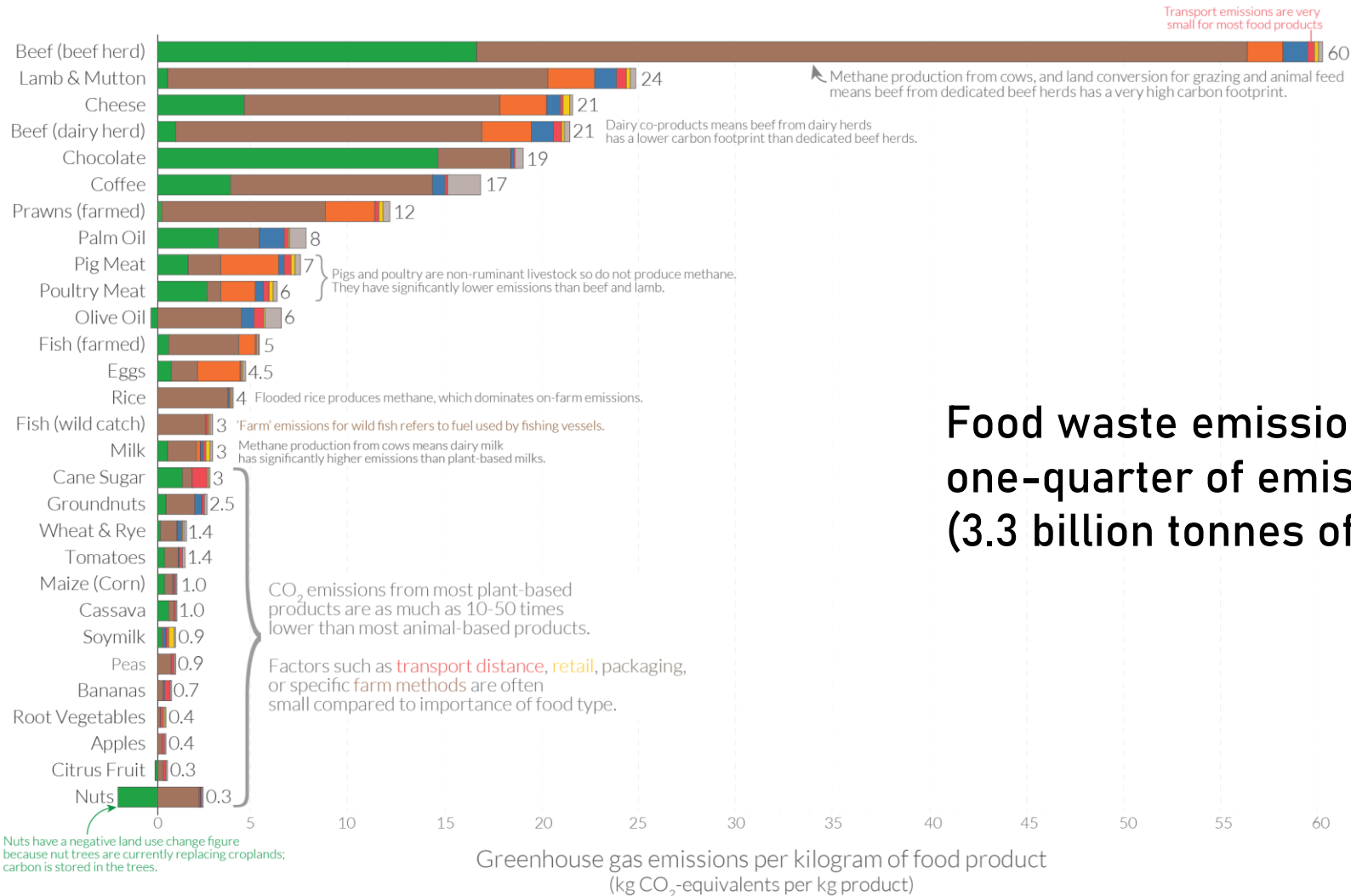
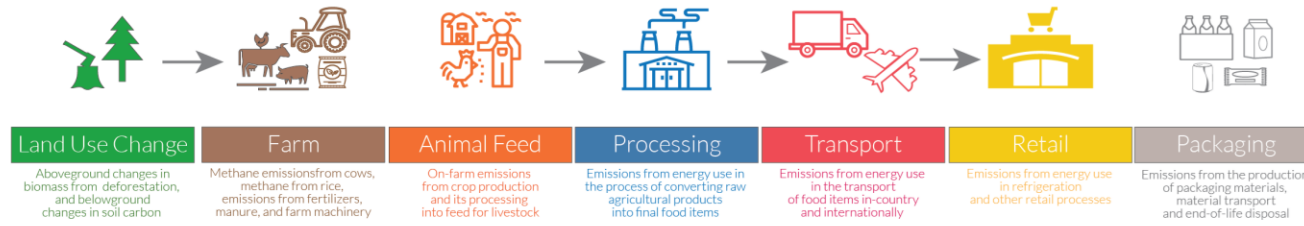
Global Greenhouse Gas Emission from Food Production



Global Greenhouse Gas Emission from Food Production



FOOD : Greenhouse Gas Emission Across the Supply Chain

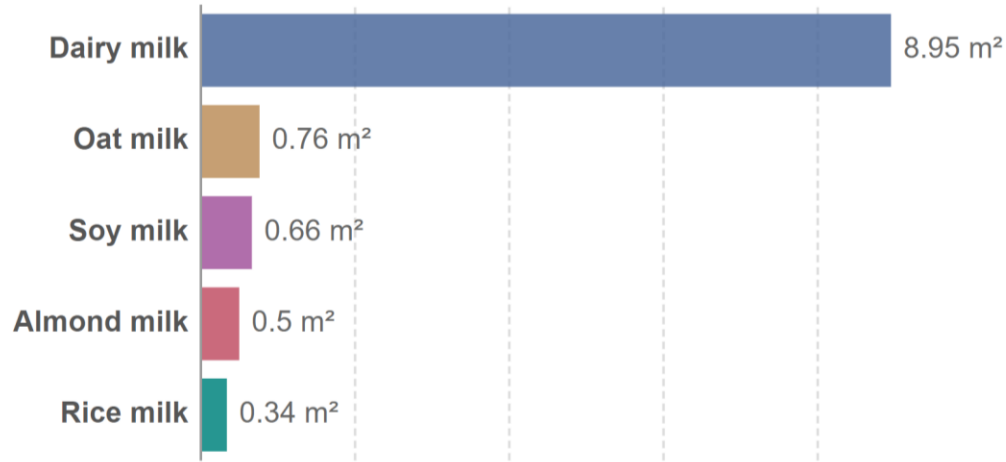


Food waste emissions are large as one-quarter of emissions (3.3 billion tonnes of CO₂ equivalent)

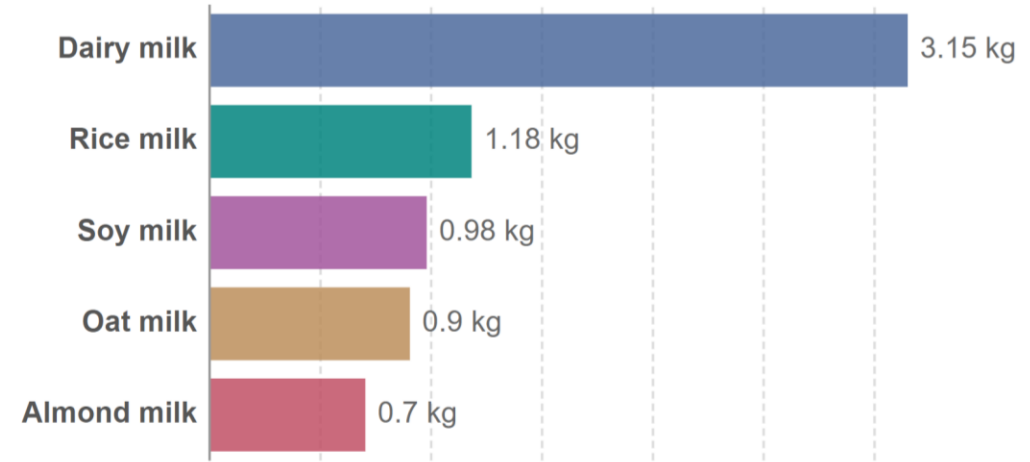
Environmental Footprints of Dairy and Plant-based Milk



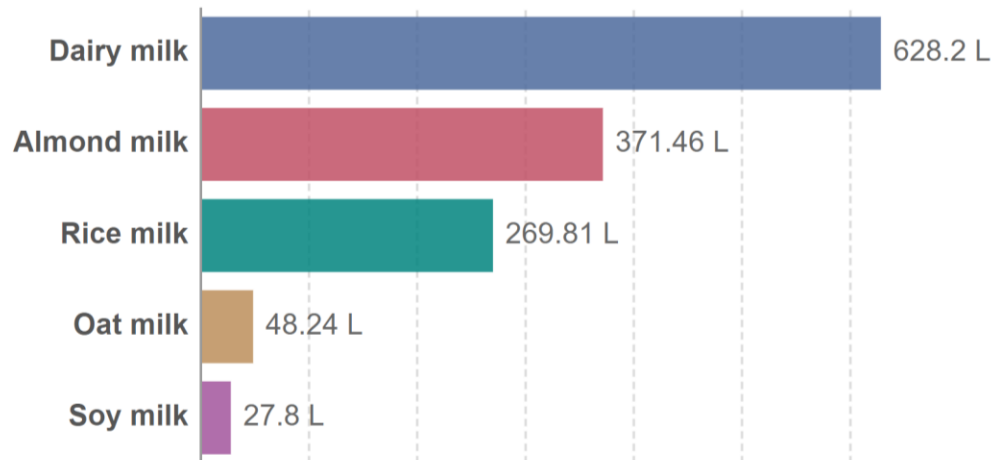
Land use



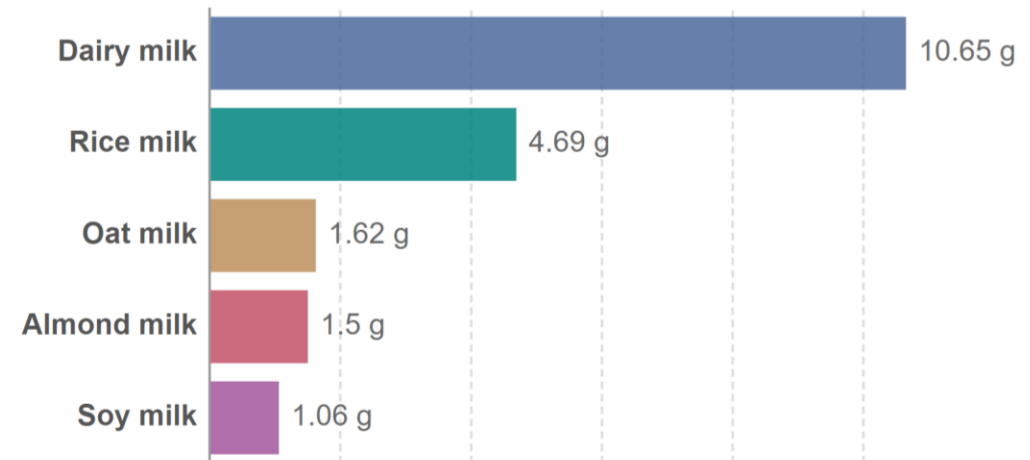
Greenhouse gas emissions



Freshwater use



Eutrophication



Cow's milk has significantly higher impacts than the plant-based alternatives across 4 environmental metrics of land use, greenhouse gas emissions, water use, and eutrophication.

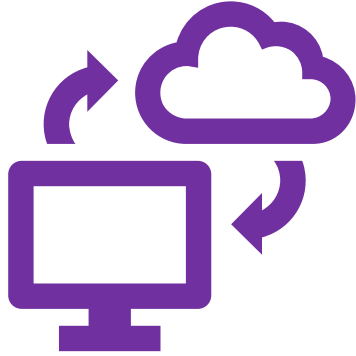
National Strategy to Drive Towards a Low-Carbon Society

01



Eco Friendly Investment

02



Innovation & Technology

03



Appropriate Ecosystem

04

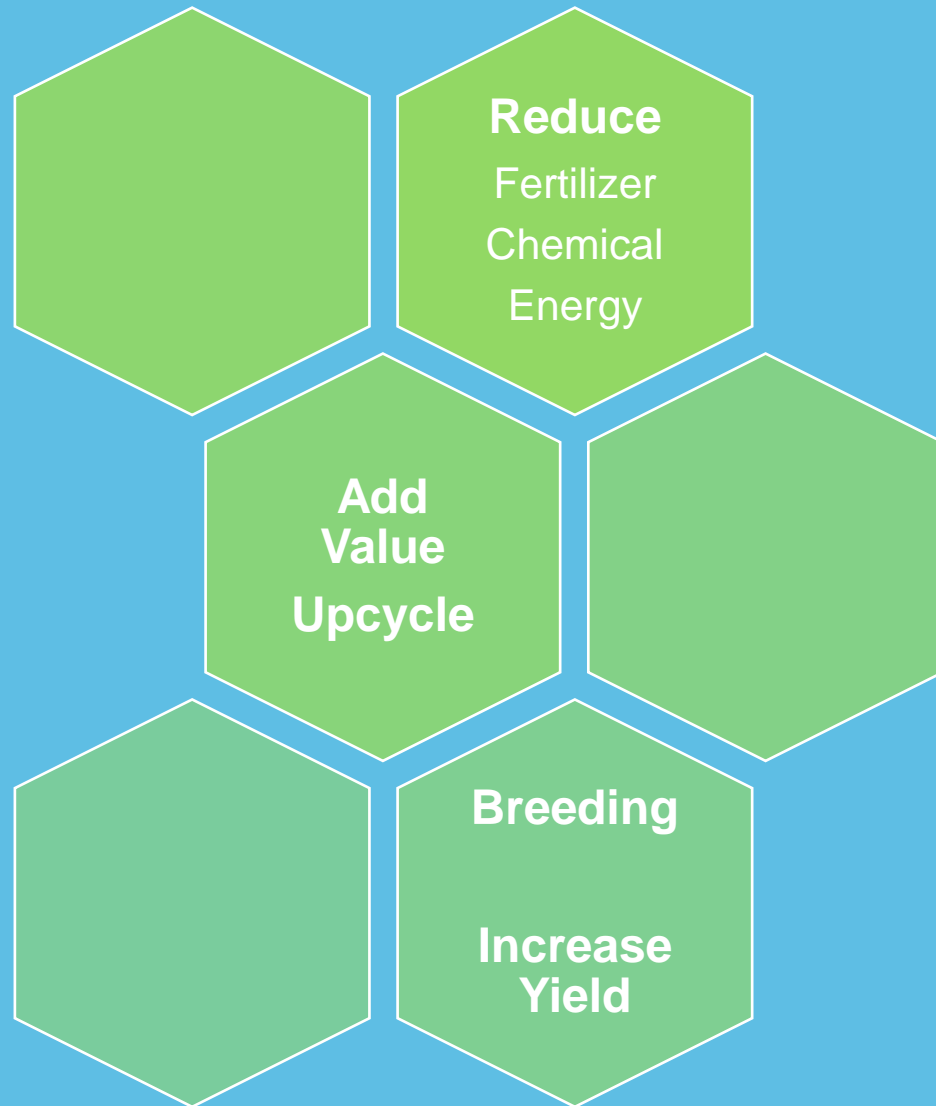


Sustainable Industry & service

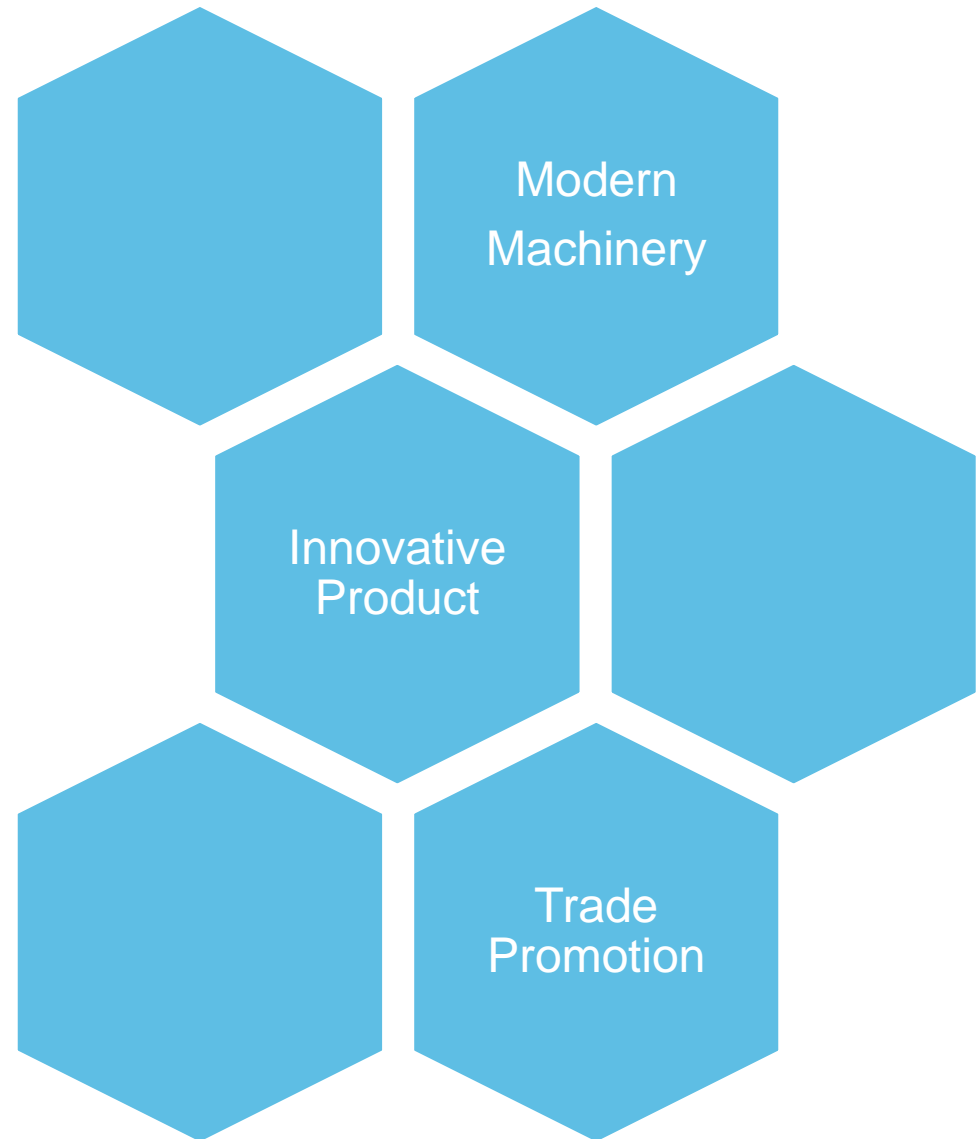




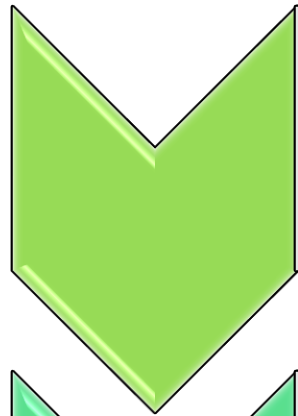
Agriculture Sector



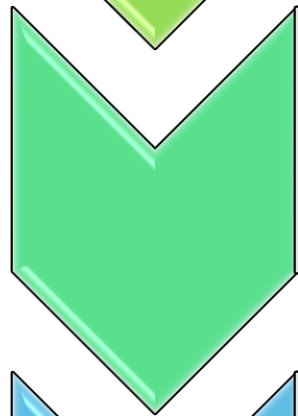
Food Industry



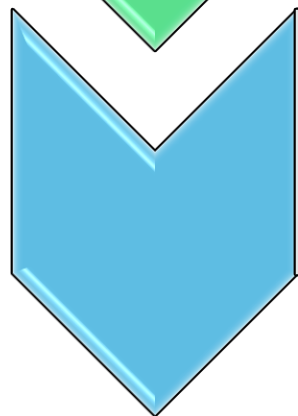
Challenges to be a Low-Carbon Society



- Lack of Standardized Methodology



- Inaccurate Data



- Insufficient Report of Emission



Benefit of Functional Food



Nourish Nerves
& Brain



Digestive &
Excretory Systems



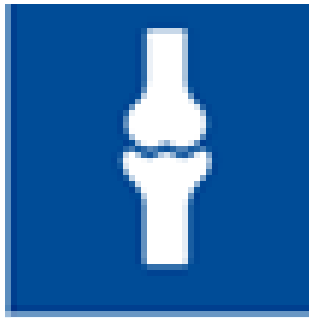
Provide
Energy



Control
Weight



Prevent
Cardiovascular
Disease



Strengthen Bones
& Joints



Nourish
Eyesight



Nourish
Skin








Enhance
Immunity



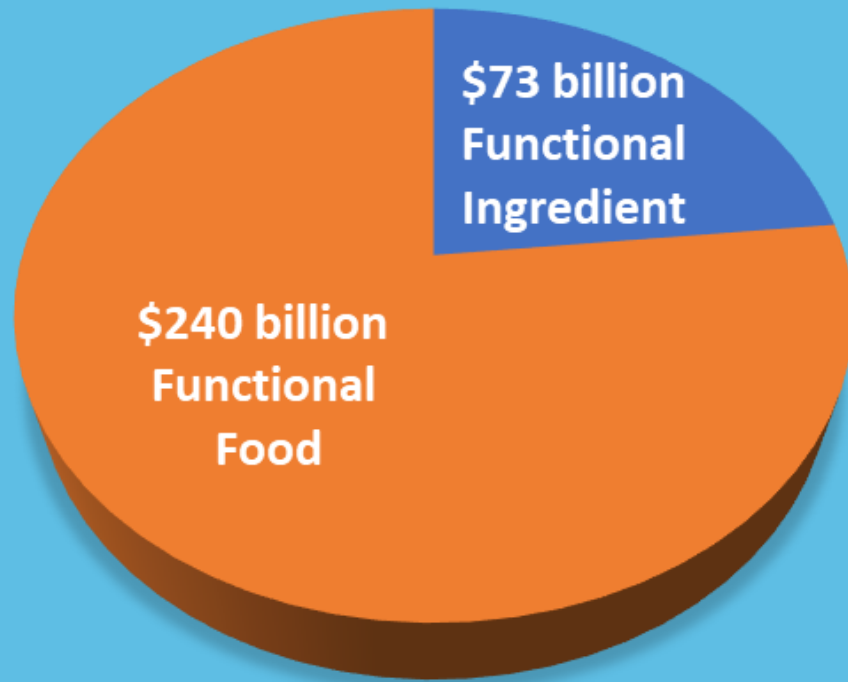


Techniques for Producing Functional Food

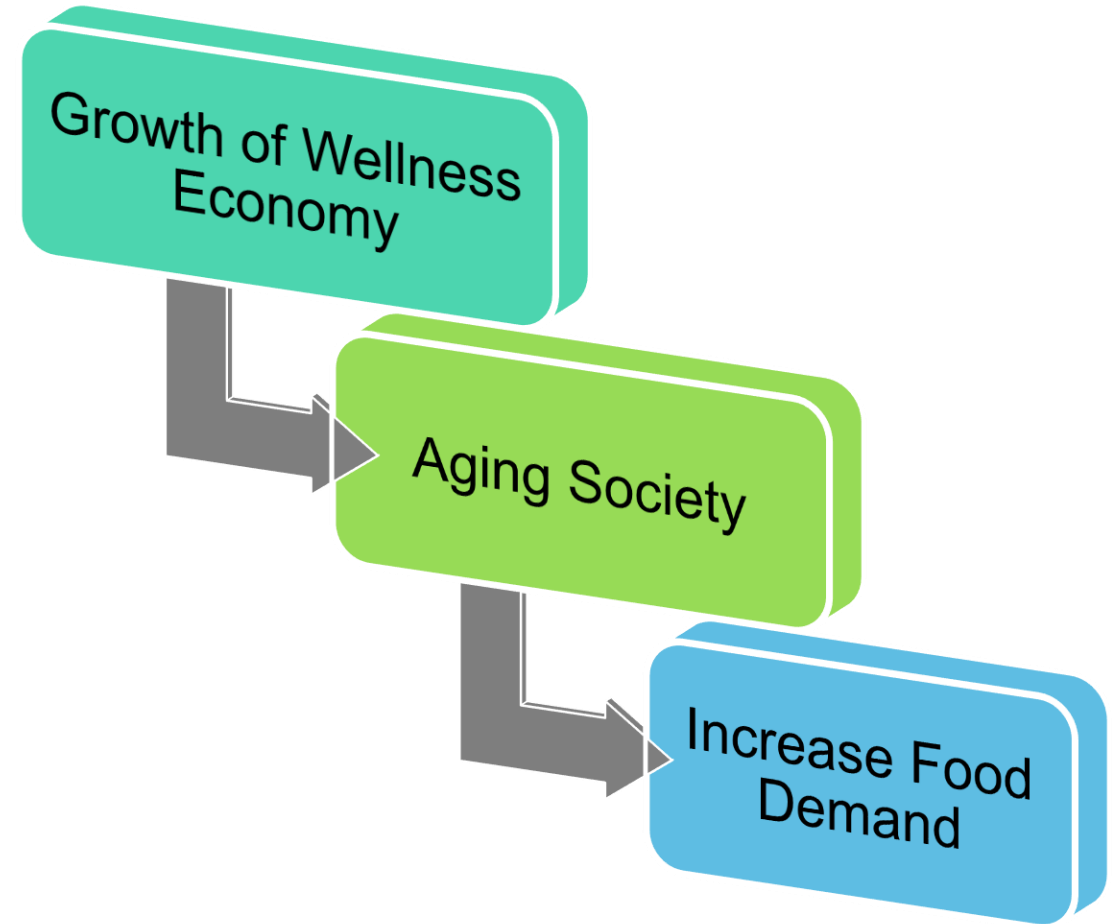
-  Fortified
-  Enriched
-  Altered
-  Non-altered
-  Enhanced



Market Size



Support Factors



Gender Preference on Functional Food

Skin Support



44%



58%

Muscle Recovery



44%



35%



Key Messages for Developing Functional Food



Delicious



Healthy



Convenient



Specific



Thailand Functional Food Market Size

฿

58 Billion



5% Per Year



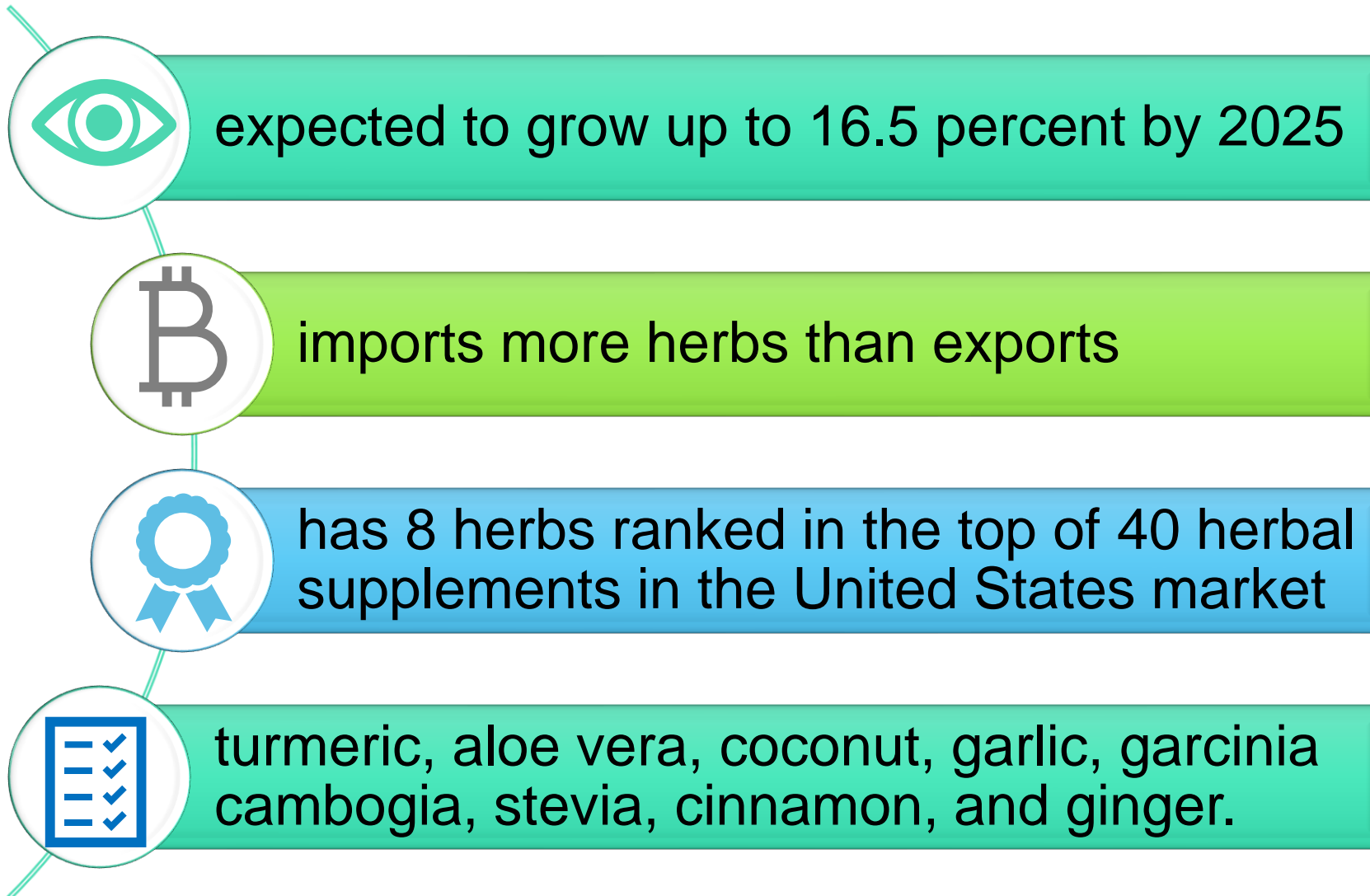
An online service to support health claims

Based on scientific evidence and research

Randomly inspecting products after they go to market



Thai Functional Ingredients



Thank You

สมัครสมาชิก
ประเภทสามัญ



สมัครสมาชิก
ประเภทวิสามัญ



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