



**Asia-Pacific
Economic Cooperation**

2022/CTI/SYM1/009

Bio-Circular-Green Economy Model: The Sustainably Growing Mechanism for Thai Food Industry

Submitted by: Thai Chamber of Commerce



**APEC Bio-Circular-Green Symposium
Bangkok, Thailand
20 May 2022**



BCG Economy Model

The Sustainably Growing Mechanism for Thai Food Industry



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The Vice Chairman of Thai Chamber of Commerce

The Chairman of Processed Food and Future Food Business Committee





Processed Food and Future Food Business Committee (PFC)



**Processed Food
and Drink**



Future Food



**Standard and
Regulation**



**Activity and
Communication**



PFC ACTIVITIES



Capacity Building Program



Advisement Program



Social Communication

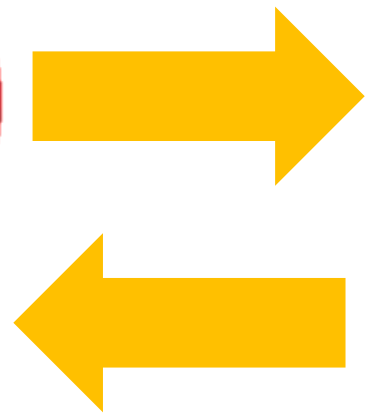


Networking



Create Joint Project

Bio-Circular-Green Economy Model (BCG)



Efficient use of natural resources with less impact on the environment

4 Strategic Areas of BCG Model



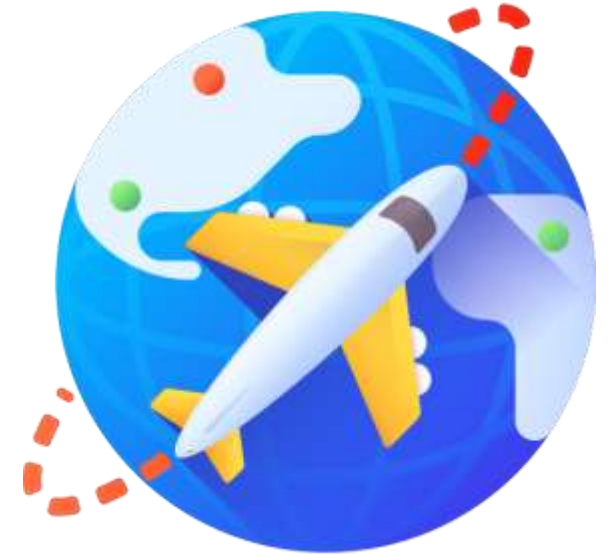
Food and Agriculture



Medical and Wellness



**Energy / Material
/ Biochemicals**



**Tourism and
Creative Economy**

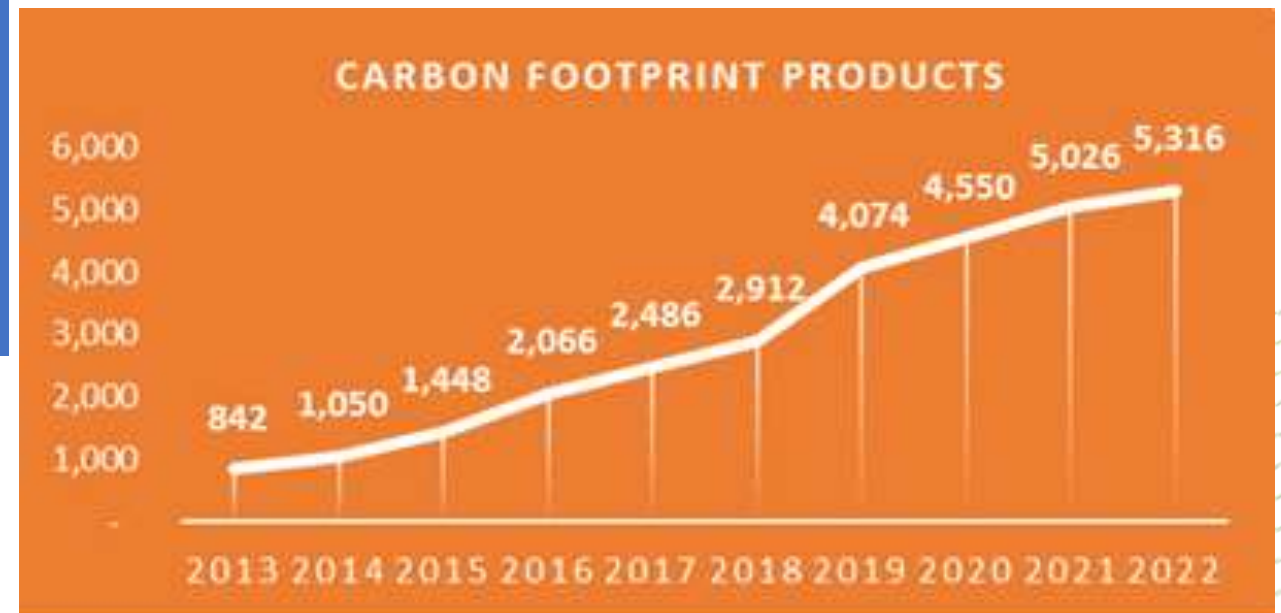
Carbon Footprint Certify in Thailand



Trend of Organization Certify



Trend of Product Certify





Thai Food & Agri Industry

Long Supply chain



Total Value

฿3 trillion (\$87 billion)

18% of Thai GDP



Export Value

฿1.2 trillion (\$35 billion)

+ 11.5% YoY





What are Thai Future Foods?



Whole Foods & Processed Foods



Safety



Traceability



Eco Friendly



Healthy

Thai Future Foods Category



1



Functional Foods and Drinks



2

Novel Foods

3



Medical Foods



4

Organic Foods

Thai Future Foods Export Value

million USD



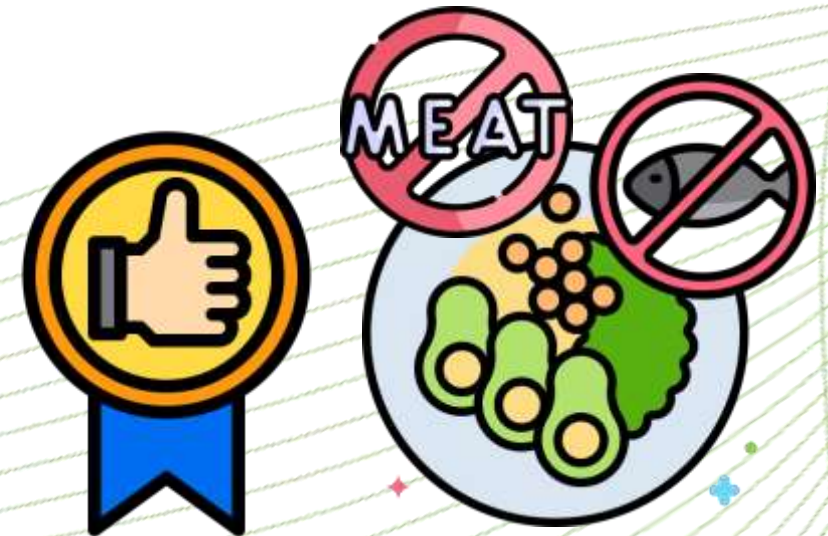
Domestic Future Foods



Domestic Consumption

- Value : **₹2.4 billion** (\$720 million)
- Growth Rate : **20% YoY**

Vegetarian Food
CAGR 15-20%



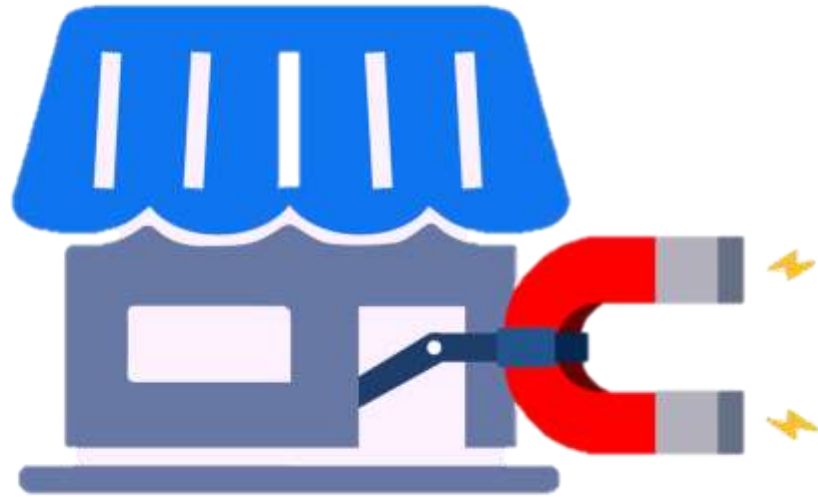


Market Players vs Consumers



Market Players

- Consumers Positive Response
- Government Support for R&D

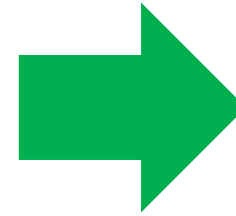


Consumers

- Product Variety
- Delicious
- Food Nutrition
- Eco Impact

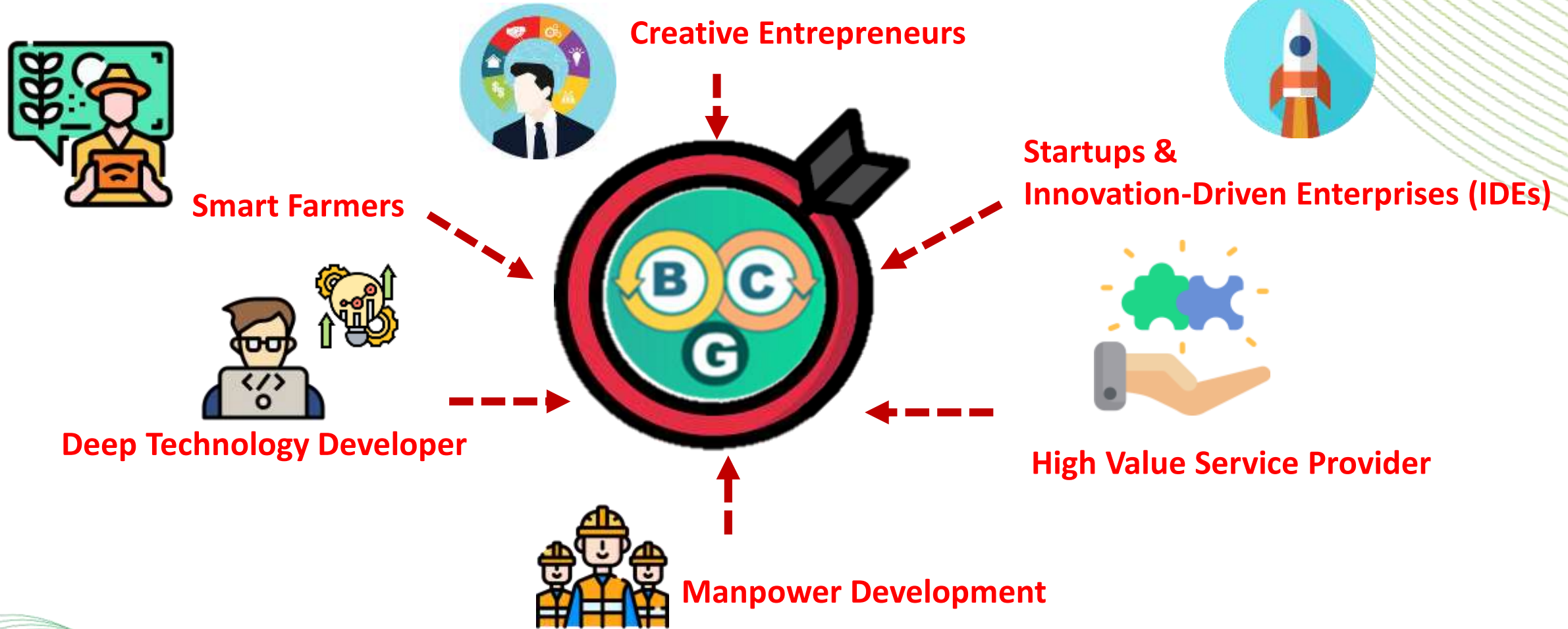


Sufficiency Economy vs BCG Economy



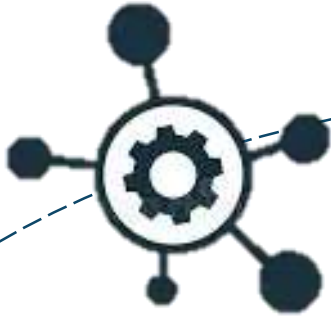


BCG Model for Food & Agri



Preferred Fields

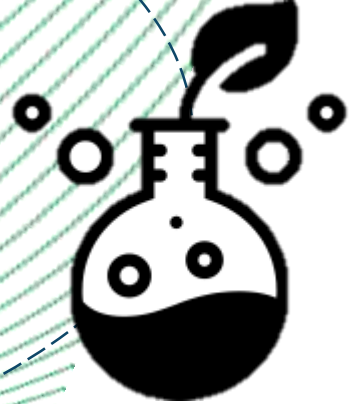
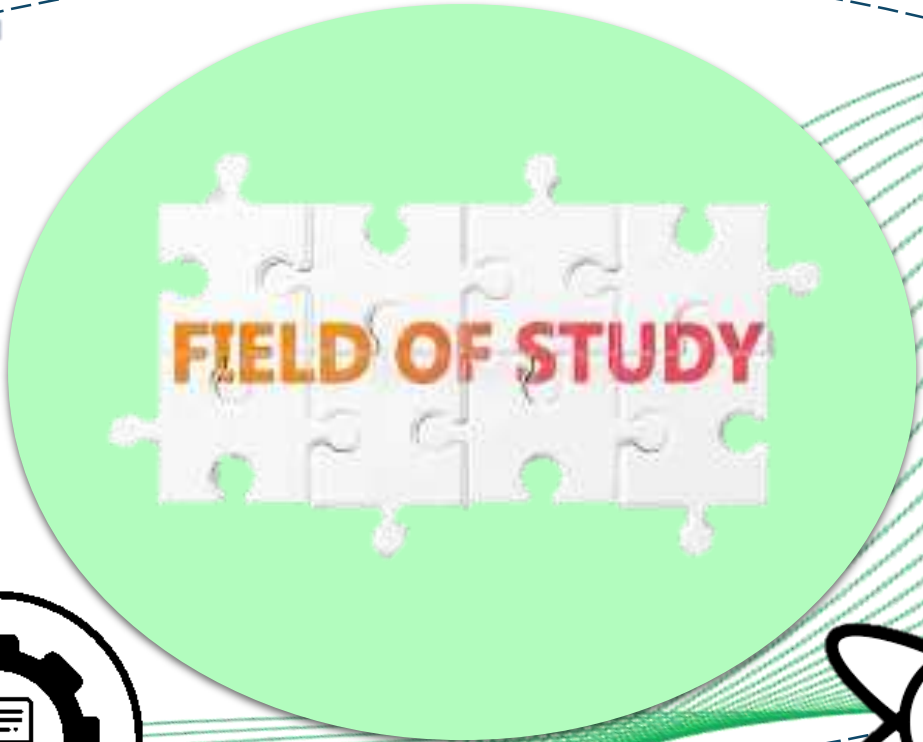
Taxonomy



Systems Biology

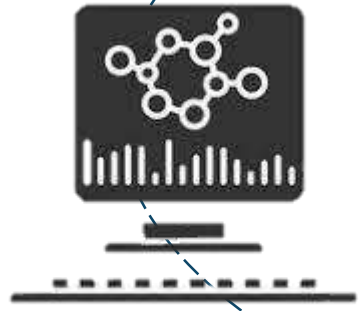


FIELD OF STUDY



Life Sciences

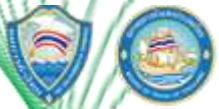
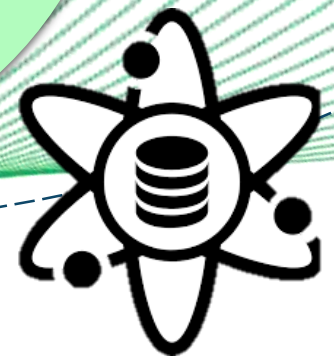
Bioinformatics



Computer Engineering



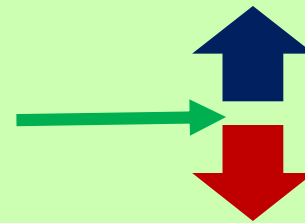
Data Science



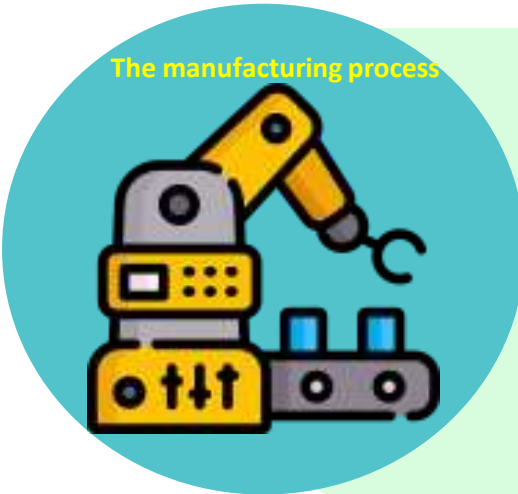
BCG Model for Food & Agri



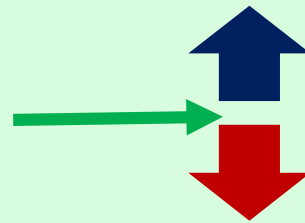
- Ingredients from local produce.
- Smart farming technology
- Digital technology
- Big data
- Eco-friendly packaging



- ✓ Increase productivity
- ✓ Extend shelf life
- ✓ Reduce the use of chemicals
- ✓ Reduce food loss & Food waste



- New machinery
- Research and development of advanced machines
- Digital tracking systems



- ✓ Increase capacity and productivity
- ✓ Create added value from by-products
- ✓ Increase control inventory and trace food safety
- ✓ Reduce energy consumption and labor
- ✓ Reduce waste



Thai Brands Future Food



THANK YOU



facebook.
Marketplace

NEW!



You Tube



tfpa.thailand
ผู้ติดตาม 28 คน

