

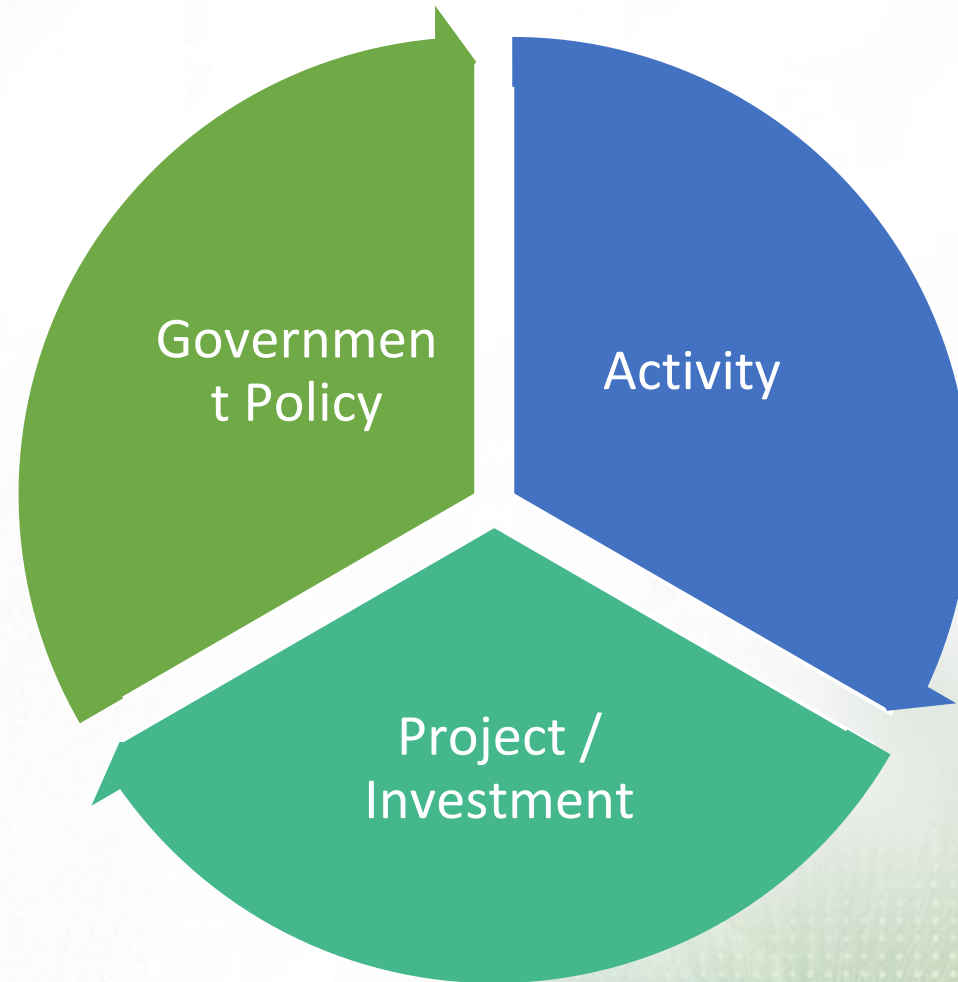
APEC Member Economy Report - Chinese Taipei

20 July 2023

Background

- ◆ Population: 23.4 millions
- ◆ Total FLW: >4 million tons per year
- ◆ FLW per capita: >169 kilograms per year

Actions



FLW
Production
n



Government Policy

Food and Agricultural Education (FAE) Act

- Announced on May 2022.
- This was enacted **to promote food and agricultural education as well as to strengthen linkages between diet, environment, and agriculture in order to enhance citizens' health**; to pass along and draw attention to dietary and agricultural culture; **to promote the sustainable development of agricultural and fishing communities, agriculture, and the environment**; and to improve the food and agricultural education system and training of relevant personnel.

- According to article 4.3:
 - The guiding principles for promotion of FAE are as follows: ... (3) **Inculcating the idea of treasuring food and reducing waste**: Putting into practice consumption of local agricultural products, reducing food waste, reducing the amount of food used, and reducing leftovers; ensuring food safety and food crop safety; encouraging the rational and circular use of farmland, water for agricultural purposes, and other resources; and striving for stable access to food for citizens.
- According to article 12.3
 - The competent authorities and competent authorities for designated purposes shall guide relevant agencies (institutions), judicial persons, groups, and natural persons in undertaking the following matters: ... (3) Putting into practice consumption of locally produced agricultural products, **reduction of food waste**, reduction of the amount of food used, and reduction of leftovers.

Project / Investment



Cold Chain Logistics



Biomass Energy Center



Smart Cold Chain Fresh Food Logistics Center



Organic Fertilizers

Cold Chain Logistics

- In 2021, the Council of Agriculture (COA) launched a five-year project for cold chain logistics to enhance Chinese Taipei's competitiveness in exports of processed food and agricultural products.
- The new projects are mainly aimed at Chinese Taipei's farming products, including fruit and cereal grains, which supply chain management has shown are prone to disruptions, including price fixing by intermediary brokers.
- Two flagship distribution centers — in Taoyuan and Pingtung County — and eight regional distribution centers would be established to increase handling capacity and boost export volumes.
- Centers for heat treatment of food products and low-temperature quarantine testing labs would be upgraded, programs would be implemented for exports of fresh fruit, while cold chain storage systems at large fruit and vegetable market depots in Taipei, New Taipei City, Taichung, and Tainan would be improved.
- It's to help local fishery organizations to upgrade their freezers and processing factories.

Biomass Energy Center

- In 2023, New Taipei City promoted the establishment of the "Biomass Energy Center". It is expected to use **200 tons of food waste for anaerobic fermentation**. The biogas generated can also be used for power generation.
- The daily food waste in New Taipei City is about 450 tons. This center not only can generate green electricity, but also reduce carbon emissions by 90%.

Organic Fertilizers

- In 2023, the Environmental Protection Bureau of Yunlin County used food waste as organic fertilizers. It is also used to fertilize community and school gardens that supply organic vegetables to a local five-star restaurant.
- Yuland Biological Agriculture Co. Ltd used black midges as organic fertilizers.



Smart Cold Chain Fresh Food Logistics Center

Fu-Fruit Co., Ltd.

- Invested 2.5 billion NTD to build a "smart cold chain fresh food logistics center" in Tucheng Industrial Zone, New Taipei City.
- The new factory has **full-temperature storage, rapid freezing equipment, and aseptic automatic cutting and packaging production lines.** The X-ray foreign object detection machine is used for food safety checks, and then for the automatic weighing scale, filling, **vacuum and sealing packaging**, etc., to make sure the highest standard of food cold chain operation specifications.

Activities

1. Ministry of Health and Welfare

- Foodbank experience conference

2. Environmental Protection Administration

- Cherishing Food Festival
- Recycle Leftover Award – from leftover to compost

3. Council of Agriculture

- APEC Multi-Year Project Workshop on Strengthening Public-Private Partnership to Reduce Food Losses in the Supply Chain
- APEC 2019 Expert Consultation on Reducing Food Loss & Waste (FLW) for Addressing Interlinked Challenges of Food Security and Climate Change
- 2021 Workshop on Reducing Food Loss and Waste along the Food Value Chain in APEC during and post COVID-19 Pandemic
- 2022 Webinar on Drafting the Implementation Plan for Reducing Food Loss and Waste

4. New Taipei City Government

- New Taipei City Sustainable Food Forum

In APEC

As the lead economy for the Implementation Plan 17e of the APEC Food Security Roadmap Towards 2030, Chinese Taipei will review the progress on measurement and data collection on food loss and waste reduction in 2025.

Thank
You