



Collaborative of every sector can help us to achieve SDG12.3 by 2030

TEAM GROWY

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Content



Introduction



Problem



Analytics



Recommendation

What we want to achieve

SDG 12

Target 12.3

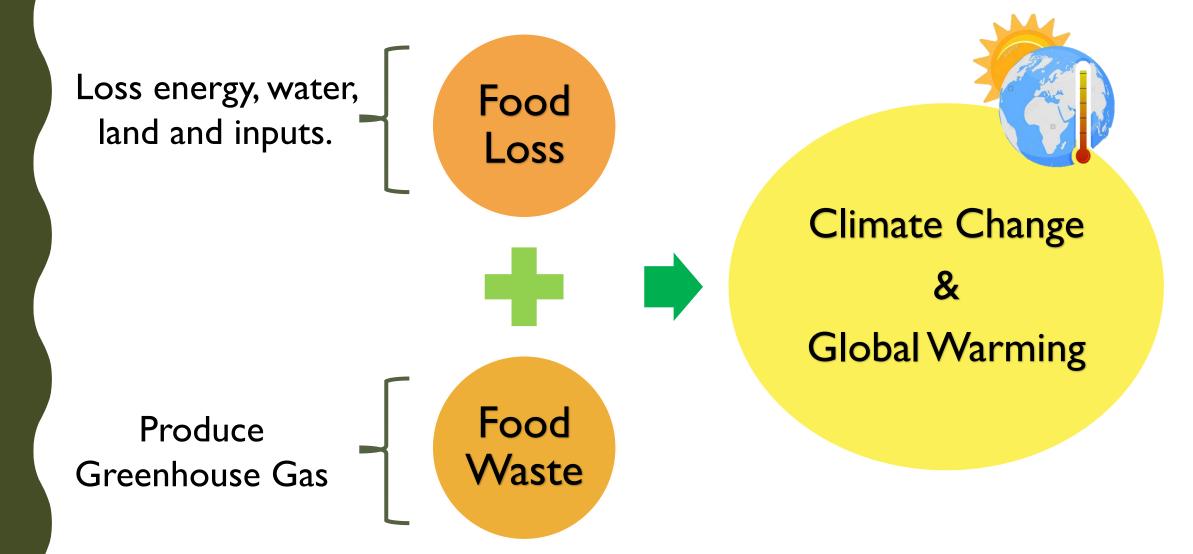
- By 2030, halve per capita global food waste at the retail and consumer levels
- Reduce food losses along production and supply chains, including post-harvest losses

ASEAN Socio-Cultural Community 2025

C.4. Sustainable Consumption and Production

- i. Strengthen public-private partnerships to promote the adoption of environmentally-sound technologies
- ii. Promote environmental education, awareness, and capacity to adopt sustainable consumption and green lifestyle at all levels;

Introduction



Issue and Challenge for ASEAN People

Halve per capita global food waste

Access sustainable and green environment

Reduce food loss

83 kg/capita/year

ASEAN population make food waste approximately 83 kg/capita/year

25%

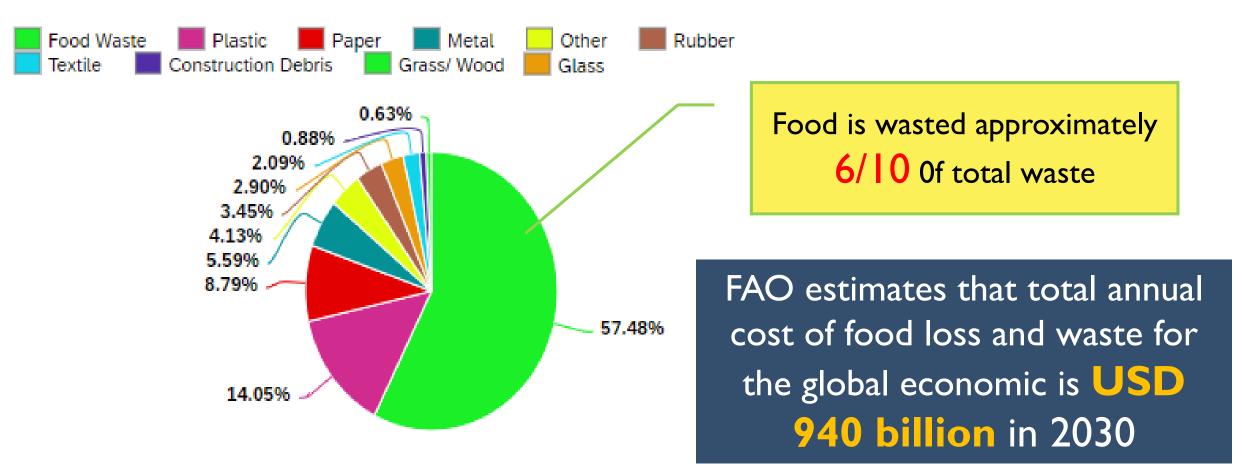
Greenhouse gas come from agriculture sector cover 25% of the global greenhouse gas

26 - 36%

Asean Food loss per capita 120 – 160 kg/year is wasted

Finding I: Food waste is the highest wasted

Figure I: waste proportion in ASEAN



Source: Summary Report, (UNEP, 2017)

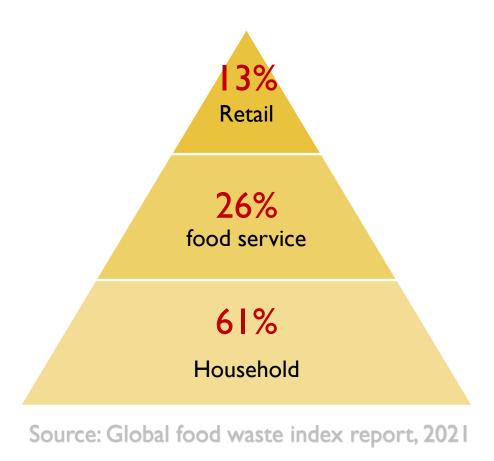
Finding 2: Food waste in ASEAN still high

Myanmar

Figure 2: Comparison food waste at any stage



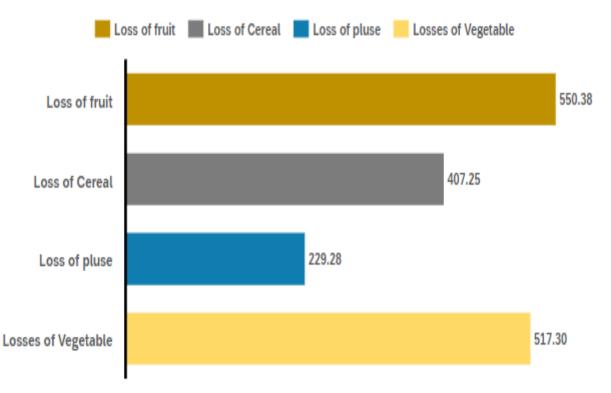
Figure 3: Percentage of food waste



Finding 3: Food loss occurs in ASEAN

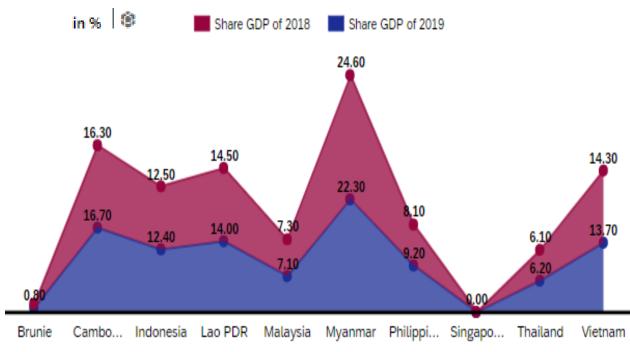
Food loss at farm > 80%

Figure 4: Loss 4 types of food



loss of fruit and vegetable > 10%

Figure 5: Comparison the share GDP in agriculture



Source: FAO, 2010 - 2017

Source: ASEAN Statistics Yearbook 2020

Finding 4: Agriculture, food waste to GHG Emission

Figure 6: Total GHG Emission including Land-use change and Forestry

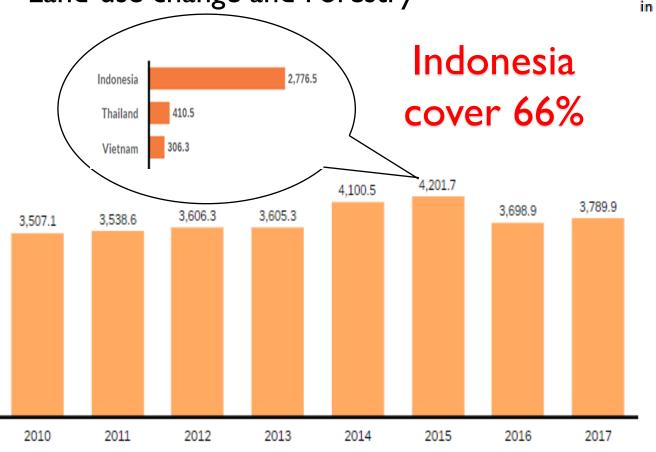
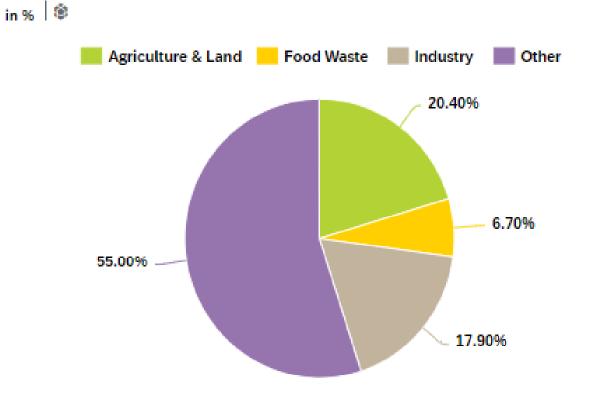


Figure 7: Percentage of GHG Emission



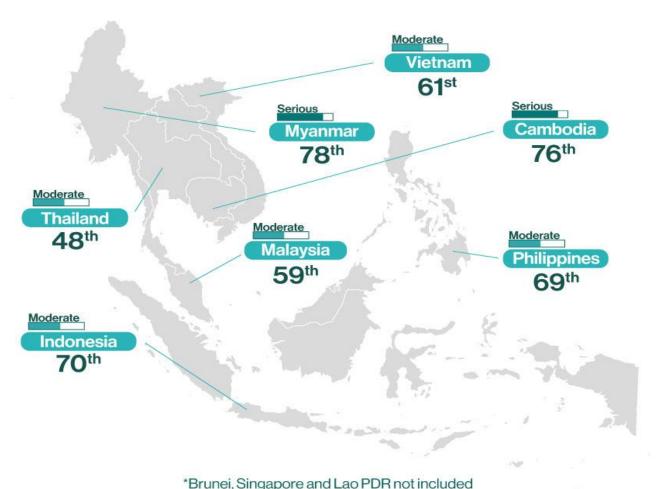
Agriculture, land and food waste cover 1/4 of total GHG emission

Source: CAIT, 2010 - 2017

Finding 5: Food waste and Hunger are still serious

ASEAN'S GLOBAL HUNGER INDEX RANKING 2020





**Out of 107 rankings

Meanwhile, Food is largely wasted every year, Asean still face the serious hunger issue

25.8 % children under five are stunted

8.4 % children under five are wasting

7.2 % children under five are overweight

Source: ASEAN Post, 2019

Recommendation: Improve supply chain



- Avoid chemical with the plant and use organic fertilizer
- Reuse food loss to be compost
- Or send some food loss to the factory



- Well packaging during retail
- Short time for distribution
- Send food loss to the factory



Grocery Store



- Good marketing & do promotion for close to expired date product, etc.
- Well stock to keep products
- Send food loss to the factory



Home



- Buy food or vegetable as you need
- Use what you have before buying new
- Reuse food loss to be compost or feed your animals
- Or send some food loss to the factory



Friendly Environment



Good Health

Recommendation: Develop technology at farm



Resource: https://www.brochesia.com/wp-content/uploads/2020/06/Progetto-senza-titolo-91.png



Create and develop technology both outdoor and indoor farm



Do data collection



Well planning during planting and harvest

- Build the factory to recycle food waste to be compost
- Set policy to reduce food loss and waste
- Spread food loss and waste information through SNS, radio, TV, etc.
- Organize camp activities for rural area people to know more about impact of food loss and waste

Government

- Train staff to reduce food loss at farm
- Separate the waste
- Send food loss and/or waste to the factory
- Food waste campaigns at food service
- Provide an adequate amount of food for the customer

Entrepreneur



and green
environment with
less amount of food loss
and waste

Be more sustainable

- Education
- Add additional course related to reduce food waste
- Organize activities to engage students about food waste effect
- Study tour at farm or agricultural area and/or the factory

- Follow the policy
- Self awareness about the effect of food waste
- Separate the waste
- Reuse the waste as they can and/or send food waste to the factory









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A beautiful environment starts with You

