Sustainable Food System



Indonesia requires food systems that are more sustainable in the context of rapid population growth, urbanization, economic development, changing consumption patterns, climate change, and the depletion of natural resources. **Sustainable food systems** aim to achieve food security and nutrition for all while improving socioeconomic welfare and limiting negative environmental impacts.



COUNTRY FACTS



out of 514 districts/municipalities

are vulnerable to food insecurity



of the poor households in Indonesia are farmers



91.3 Desirable Dietary Pattern (DDP) score¹

with 65.7% from carbohydrate source



Indonesia wastes

300 kg of food

per person per year (2nd Highest Globally)

Source: Food Security Agency 2018, BPS 2018 and 2019,

Economist Intelligence Unit 2016

TRIPLE BURDEN OF MALNUTRITION



27.7%

Children < 5 years old

in Indonesia are stunted



35.4%

Adults

are either overweight or obese



48.9% Pregnant women

suffer from anaemia

Source: Riskesdas 2018, SSGBI 2019

CONSUMPTION & EXPENDITURE DATA



Indonesians spend

49.1% of their money for **food**



95%

of Indonesians **do not consume** adequate fruits and vegetables

Source: SUSENAS 2019, BPS 2019, Riskesdas 2018



Indonesia **aims to achieve**PoU target of

3.6% by 2030





² The Prevalence of Undernourishment (PoU) is an estimate of the proportion of the population whose habitual food consumption is insufficient to provide the dietary energy levels that are required to maintain a normal active and healthy life (FAO).













¹ The Desirable Dietary Pattern (DDP) is an indicator used to measure the quality of food consumption. An ideal diet will have a DDP score of 100.

Example of Dietary Pattern Map



DKI JAKARTA



Rice contributes to 58% of total energy

♠ more than the recommendation



Animal source protein contributes to

15% of total energy

♠ more than the recommendation



Consumption of fruits & vegetables contributes to 5% of total energy

less than the recommendation

NUSA TENGGARA BARAT (NTB)



Rice contributes to 67% of total energy

♠ more than the recommendation



Animal source protein contributes to

9% of total energy

less than the recommendation



Consumption of fruits & vegetables contributes to

5% of total energy

less than the recommendation

PAPUA



Tubers contribute to

26% of total energy

♠ more than the recommendation



Animal source protein contributes to

9% of total energy

less than the recommendation



Consumption of fruits & vegetables contributes to

4% of total energy

less than the recommendation

IDEAL CONTRIBUTION OF TYPE OF FOOD TO TOTAL ENERGY (INDONESIA)



Source: Food Security Agency 2019



Rice/cereals

50%



Fruits & vegetables



Tubers

6%



Animal source protein 12%

The map represents the differences in dietary variety and food combination across Indonesia. Food diversity may be directly and/or indirectly influenced by the diversity of ethnic groups and communities in the country.

Limited dietary variety may lead to underconsumption of specific nutrients.





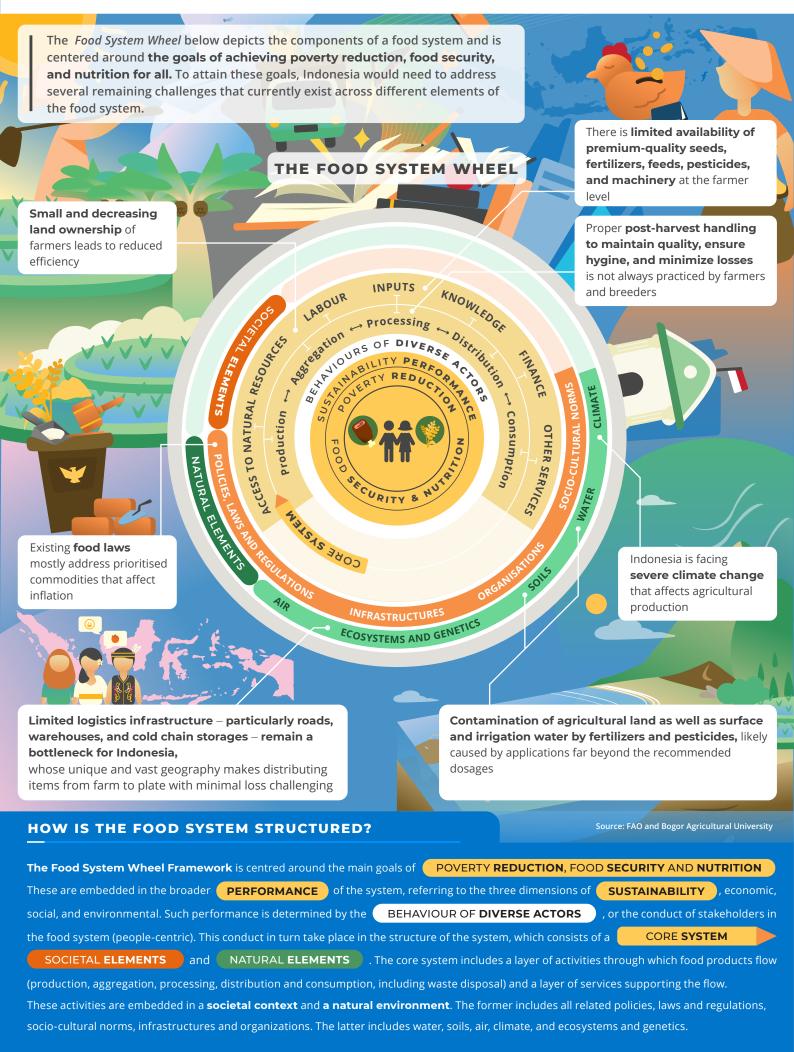








Remaining Challenges in Indonesia's Food System



How can Indonesia's food system be more productive, inclusive and resilient?

ADDRESSING THE CORE OF THE FOOD SYSTEM WHEEL

IMPROVING THE ENABLING ENVIRONMENT



Promote diversified and climate-smart farming systems that produce affordable and accessible food for rural and urban communities



Enhance national coordination bodies (such as Food Security Council (Dewan Ketahanan Pangan) to improve understanding and promote new pathways for sustainable food systems



Develop and implement targeted social protection mechanisms that ensure access to sufficient food that constitutes a healthy diet



Invest in public infrastructure, logistics, and other facilities to maintain adequate food stocks and reserves to be mobilized in crises/emergencies



Develop the capacities of youth to engage in food systems, including in planning, production and processing



Mainstream dietary guideline into all sector policies, aligning health, food, agriculture, environment and trade across government



Develop behavioural change communication systems around healthy and sustainable diets involving local communities and women's groups



Improve enabling environment for small businesses involved in food systems to increase employment



Encourage private sector to improve quality of post-harvest handling to conserve nutritional value, improve food safety, and reduce food loss



Collect high quality data on food systems from traditional (surveys) and innovative (social media) sources and develop capacities to use the data for decision-making



Develop policies to mobilize local Government agencies to engage with stakeholders to improve food safety











