Together we must nearly double global agricultural output by 2050 to respond to a rapidly growing population and to meet the consumer demands of an expanding middle class. How will we be able to produce the food, feed, fiber and fuel that the world is going to need at the end of century — and do it sustainably?

Climate change and weather variability

To deliver nutritionally adequate food, we must adapt agricultural systems to cope with more variable and unpredictable climate conditions over time and space, and develop new crop varieties that can grow in warmer climates. Such adaptation includes improving existing crop varieties, developing new ones, or finding ways the world’s soils can store more carbon. 

Meeting nutritional needs requires increasing the availability, affordability and consumption of nutritious foods across all regions of the world.

**GOOD NEWS**

**GLOBAL PROPORTIONS OF UNDERNOURISHED DECREASED**

23.5% in 2015 to 19.2% in 2022

**BAD NEWS**

**CHILDHOOD OBESITY INCREASES**

13% of children aged 5 to 18 in 2015 to 16.3% in 2022

Food Waste:

2 to 20% of food emissions and up to 30% of foods reaching retail and consumers are wasted. Most food waste happens in developing economies where food prices are lower and consumers are less sophisticated. 

Livestock production:

Ranchers, fisherfolk, forest managers, and other small-scale producers are responsible for 80% of humanity’s total meat and dairy production, up from 70% in 2015. 

**GROWING SOLUTIONS**

How will we be able to produce the food, feed, fiber and fuel that the world is going to need at the end of century — and do it sustainably?

**Growing solutions**

Growing nutritious, sustainable food value chains

Consumers need access to sufficient nutritious and affordable foods in order to reduce malnutrition, obesity and associated health risks.

Local, regional and global trade

Food barriers in distribution are reduced through the use of science-based and information technologies, improved practices and forward-looking policies, we can build resilient value chains and meet the growing demands for higher quality, affordable, and safe food and fuel.

Conserving land and mitigating agricultural climate impact

Adapting to and meeting the nutritional needs of a growing and increasingly urbanized global population.

Improving the livelihoods of farmers and rural communities.


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