

SDG 12: CONSUMPTION





End extreme poverty. Fight inequality and injustice. Fix climate change. Whoa. The Global Goals are important, world-changing objectives that will require cooperation among governments, international organizations and world leaders. It seems impossible that the average person can make an impact. Should you just give up?

No! Change starts with you!

On 1 January 2016, the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development — adopted by world leaders in September 2015 at an historic UN Summit — officially came into force.



Goal 12: Facts and figures

- Each year, an estimated one third of all food produced equivalent to 1.3 billion tones worth around \$1 trillion – ends up rotting in the bins of consumers and retailers, or spoiling due to poor transportation and harvesting practices.
- If people worldwide switched to energy efficient light bulbs the world would save US\$120 billion annually.
- Should the global population reach 9.6 billion by 2050, the equivalent of almost three planets could be required to provide the natural resources needed to sustain current lifestyles.

Water

- Less than 3 per cent of the world's water is fresh (drinkable), of which 2.5 per cent is frozen in the Antarctica, Arctic and glaciers. Humanity must therefore rely on 0.5 per cent for all of man's ecosystem's and fresh water needs.
- Man is polluting water faster than nature can recycle and purify water in rivers and lakes.
- More than 1 billion people still do not have access to fresh water.
- Excessive use of water contributes to the global water stress.
- Water is free from nature but the infrastructure needed to deliver it is expensive.



GOAL 12: Targets

- By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses;
- By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment;
- By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse;
- Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle;
- Promote public procurement practices that are sustainable, in accordance with national policies and priorities;
- By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature;
- Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production;
- Develop and implement tools to monitor sustainable development impacts for sustainable tourism that creates jobs and promotes local culture and products;
- Rationalize inefficient fossil-fuel subsidies that encourage wasteful consumption by removing market distortions, in accordance with national circumstances, including by restructuring taxation and phasing out those harmful subsidies, where they exist, to reflect their environmental impacts, taking fully into account the specific needs and conditions of developing countries and minimizing the possible adverse impacts on their development in a manner that protects the poor and the affected communities.

OUR FOOD AND AGRICULTURE IN NUMBERS

(DATA REFER TO THE MOST BECENT YEAR AND TO THE WORLD, UNLESS OTHERWISE SPECIFIED.)





ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS





The world's reliance on natural resources has continued to accelerate over the last two decades. One measurement of this reliance is the material footprint: the amount of primary materials required to meet basic needs for food, clothing, water, shelter, infrastructure and other aspects of life.

It is an indicator of the pressure put on the environment to support economic growth and to satisfy the material needs of people.

Material footprint by type of material, 2010 and 2017 (billions of metric tons)



The global material footprint grew from 73.2 billion metric tons in 2010 to 85.9 billion metric tons in 2017, a 17.4 per cent increase. The footprint expanded for all types of materials, but especially for non-metallic minerals (which accounted for almost half of the global footprint), pointing to growth in the areas of infrastructure and construction. In 2015, the material footprint per capita in high-income countries was over 10 times larger than in low-income countries.

Urgent action is needed to decrease our reliance on raw materials and increase recycling and "circular economy" approaches to reduce environmental pressure and impact





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COULD GROW TO AROUND 8.5 BILLION IN 2030

9.7 billion in 2050!

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WHAT WE ARE EATING

In both industrialized and developing countries unacceptable quantities of food are wasted but for entirely different reasons.





The mass density or density of a material is defined as its mass per unit volume

Bulk density is a property of powders, granules and other solids, particularly used in reference to mineral components

Specific gravity is the ratio of the density (mass of a unit volume) of a substance to the density

INFOODS handles hundreds of requests each year from users wishing to obtain copies of these food composition.

GLOBAL ANALYSIS OF FOOD

Global compendium of scrutinized analytical data (without any additional estimations, imputation or calculation of missing values) for commonly consumed foods.



FOOD IS A HUMAN RIGHT

The right to food is a human right derived from the International Covenant on Economic, recognizing the "right to an adequate standard of living, including adequate food"





FOOD SAFETY AND FOOD SECURITY

- Most food has its origin in plants. Some food is obtained directly from differents plants
- Animals are used as food either directly or indirectly by the products they produce
- Most food has always been obtained through agriculture
- Generally regarded as the most pleasant taste, sweetness is almost always caused by a type of sugar
- Sourness is caused by the taste of acids, such as vinegar in alcoholic beverages
- Saltiness is the taste of alkali metal ions such as sodium and potassium



Farm to fork approach To maintain the organic integrity



STRAWS, STIRRERS AND CUTLERY - DO YOU REALLY NEED IT?



FOOD FACTS

Tomatoes are actually a fruit, not a vegetable.

An average strawberry has around 200 seeds.

Kiwi contains twice as much vitamin c as an orange.

A half-cup of figs has as much calcium as a half-cup of milk.



Lemons can kill bacteria-as they have high acid content which makes them suitable for cleaning.

Oranges contain antioxidants that help fight the free radicals that damage and age our skin.





Blackberry juice was used to dye cloth navy blue and indigo.

You can speed up the ripening of a pineapple by standing it upside down (on the leafy end).





Mangoes are the most favorite and number one fruit in the world. A banana is not a fruit in reality, it is an herb!





BEFORE YOU BUY IT ASK **"DOIREALLY** NEEDTHIS?"

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