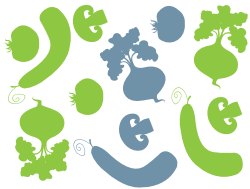


# About The Food Waste



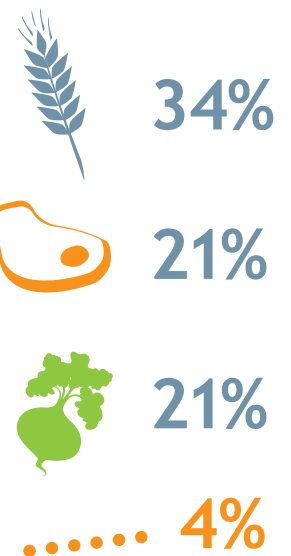
## Food waste

**20 % of food produced** for human consumption (= **88 million tonnes of food**) is wasted in Europe, while 795 million people globally suffer from hunger.



Food waste also amount to a major squandering of resources, including **water, land, energy, labour and capital** and needlessly produce **greenhouse gas emissions**, contributing to **global warming and climate change**.

**4 % of EU-28 greenhouse gas emissions** (GHGs), or **186 million tonnes per year** are due to food waste – carbon footprint of food.



## Food wasted by consumers

in Europe  
and North America

**95–115 kg / year / person**

**US\$ 680 billion**

in Sub-Saharan Africa  
and south eastern Asia

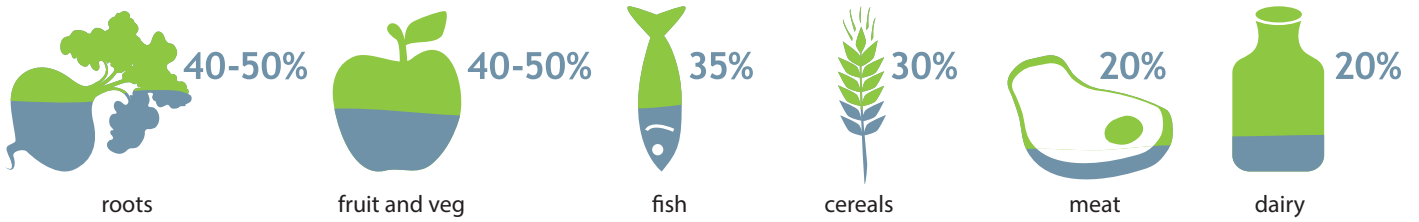
**6–11 kg / year / person**

**US\$ 310 billion**



Food is lost or wasted throughout the food supply chain, from initial agricultural production down to final household consumption. **Food losses** in developing countries are more than **40 % at postharvest and processing levels**, in industrialized countries more than **40 % occur at retail and consumer levels**.

## Global quantitative food losses and waste per year



## Food Waste in Europe



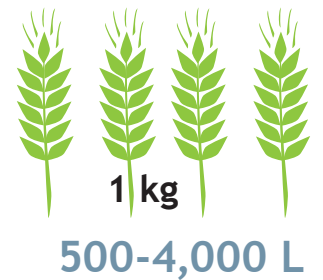
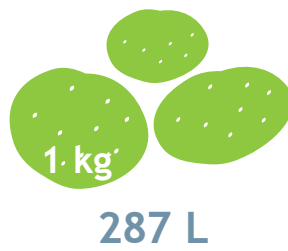
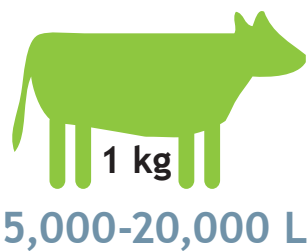
## Resources are not infinite



**water:** 3.8 trillion m<sup>3</sup> of water are now withdrawn for human use each year (1.5 billion Olympic sized swimming pools)

**70% is taken by the agriculture sector**

- production of 1 kg of beef requires 15,415 litres of water
- 1 kg of potatoes – 287 litres of water
- 1 kg of apple – 822 litres of water
- between 500–4,000 litres of water are required to produce 1kg of wheat vs. 5,000–20,000 litres to produce 1kg of meat



**land:** 50 % of the available suitable land is already appropriated. One hectare of land can produce rice or potatoes for 19–22 people or lamb or beef for 1–2 people per annum.



**energy:** 7–10 calories of input in the production = one calorie of food – depending on crop – from 3 calories for plant crops to 35 calories in the production of beef