



Länsstyrelsen
Skåne

From food waste to food potential

Addressing food waste as a way to balance food demand

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County Administrative Board of Skåne



What is food waste?

FOOD LOSS

Agriculture
Production
& harvest

Processing

FOOD WASTE

Distribution
& retail

Restaurants
& catering

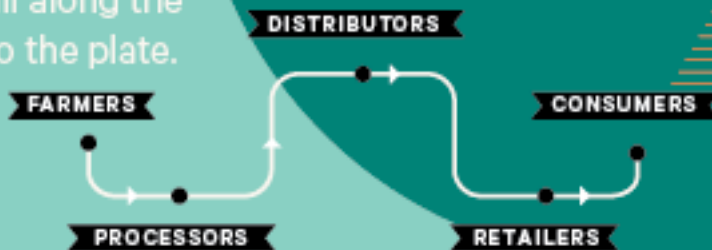
Domestic
consumption



Imagine if 1/3 of goods never made it to customers

This is a reality of our food supply. We lose one-third of the food produced globally.

Food loss and waste happens all along the pathway to the plate.



1.3 billion tons of food wasted could feed 1.6 billion people.

#YIELDWISE

www.rockefellerfoundation.org/YieldWise

Source: www.rockefellerfoundation.org

Environmental impacts of food waste

Food loss and waste also amount to a major squandering of resources, including:



water



land



energy



labour and
capital

Food waste generated yearly in Swedish households yields emissions equal to those of 360000 cars

and needlessly produce
GREENHOUSE GAS EMISSIONS, contributing to
GLOBAL WARMING and **CLIMATE CHANGE**.

Source: fao.org

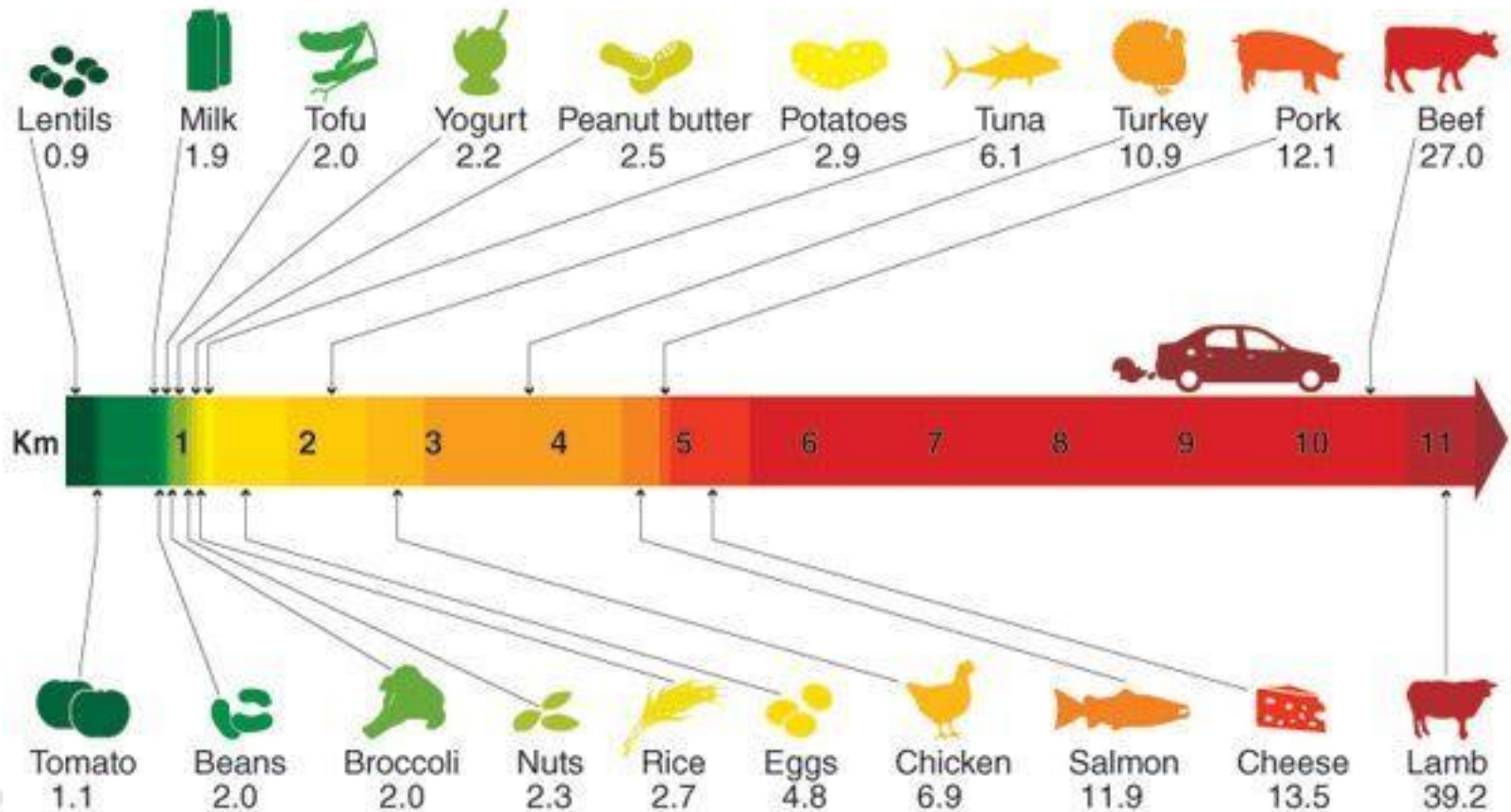


Carbon footprint of what you eat

Calculations of greenhouse gas emissions from the production, processing and transportation of specific food items

■ Main chart compares 110g of food against a journey in a midsize car

■ Number shows kg of carbon dioxide equivalent produced per 1kg of food



Source: EnvironmentalWorkingGroup

AFP

WATER FOOTPRINT

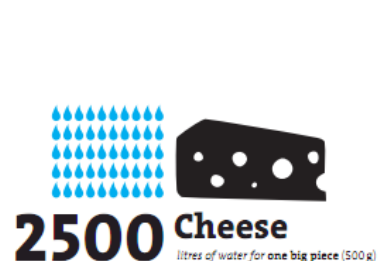
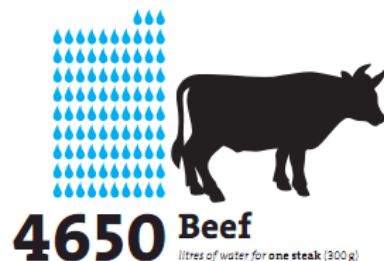
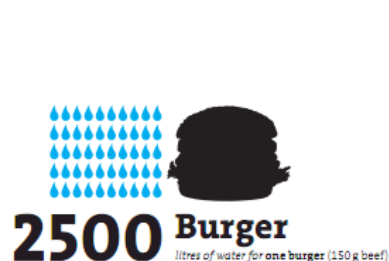
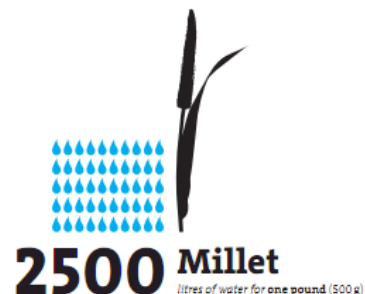
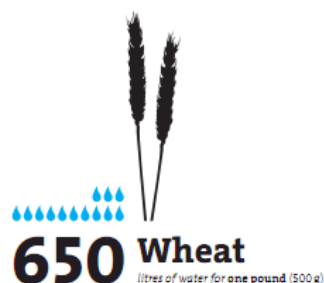
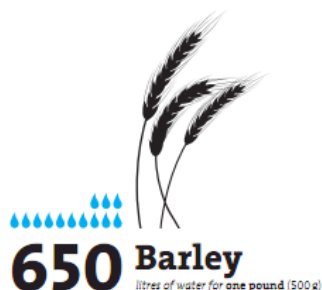
Virtual water embedded in products

→ For the full poster featuring many more products and in-depth information, visit: www.virtualwater.eu

ONE DROP (shown in the illustrations) is equivalent to 50 litres of virtual water (production-site definition). All figures shown on this poster are based on exemplary calculations and may vary depending on the origin and production process of the product.

The water footprint of a product (a commodity, good or service) is the volume of freshwater used to produce the product, measured at the place where the product was actually made. It refers to the amount of the water used in the various steps of the production chain.

DATA: Hoekstra, A.Y., Chapagain, A.K. (2008) *Globalization of water: Sharing the planet's freshwater resources* Blackwell Publishing, Oxford, UK www.water-footprint.org
DESIGN: Timm Kakeritz, www.virtualwater.eu
TYPEFACE: TheSans and TheSerif, Luc(as) de Groot

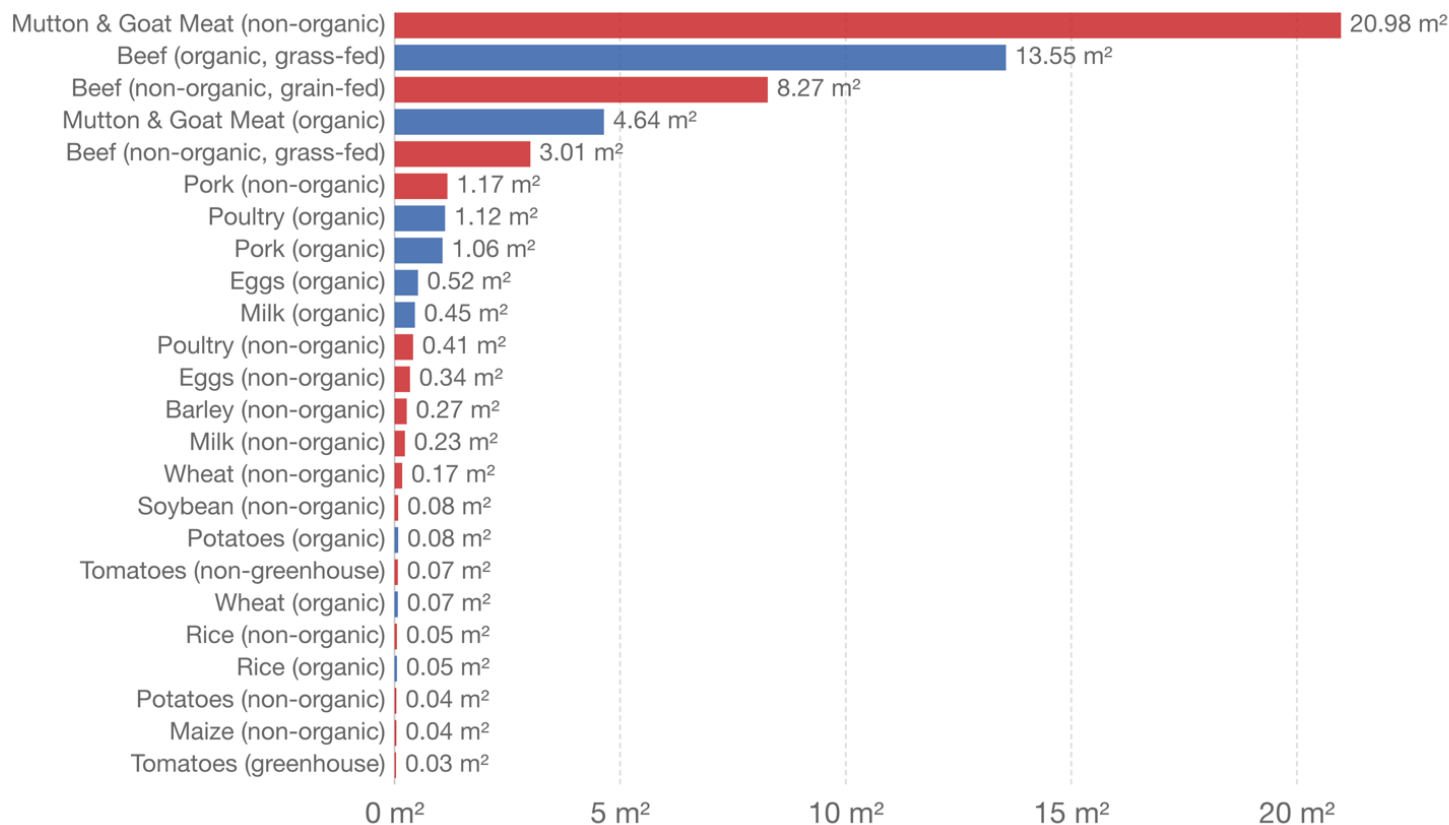


Land footprint of what you eat

Land use per 100 kilocalories by food and production type

Our World
in Data

Average land use per 100 kilocalories of food production, by food type and production system measured in metres squared (m^2) per 100 kilocalories. Average values are based on a meta-analysis of studies across 742 agricultural systems and over 90 unique foods.



Source: Clark & Tilman (2017)

OurWorldInData.org • CC BY-SA

Large costs- Substantial savings



Avarage family in Sweden can save as much as 4000 kr if the food waste is reduced by half

Source: still of youtube clip: foodwaste = money waste

Food waste in the production phase

Common reasons to food loss:

- Quality issues
- Aesthetical issues (ugly food)
- Excessive production
- Losses in production and storage
- Fractions that are never used



Source: slowfood.com



Food waste in the consumption phase

Common reasons to food waste:

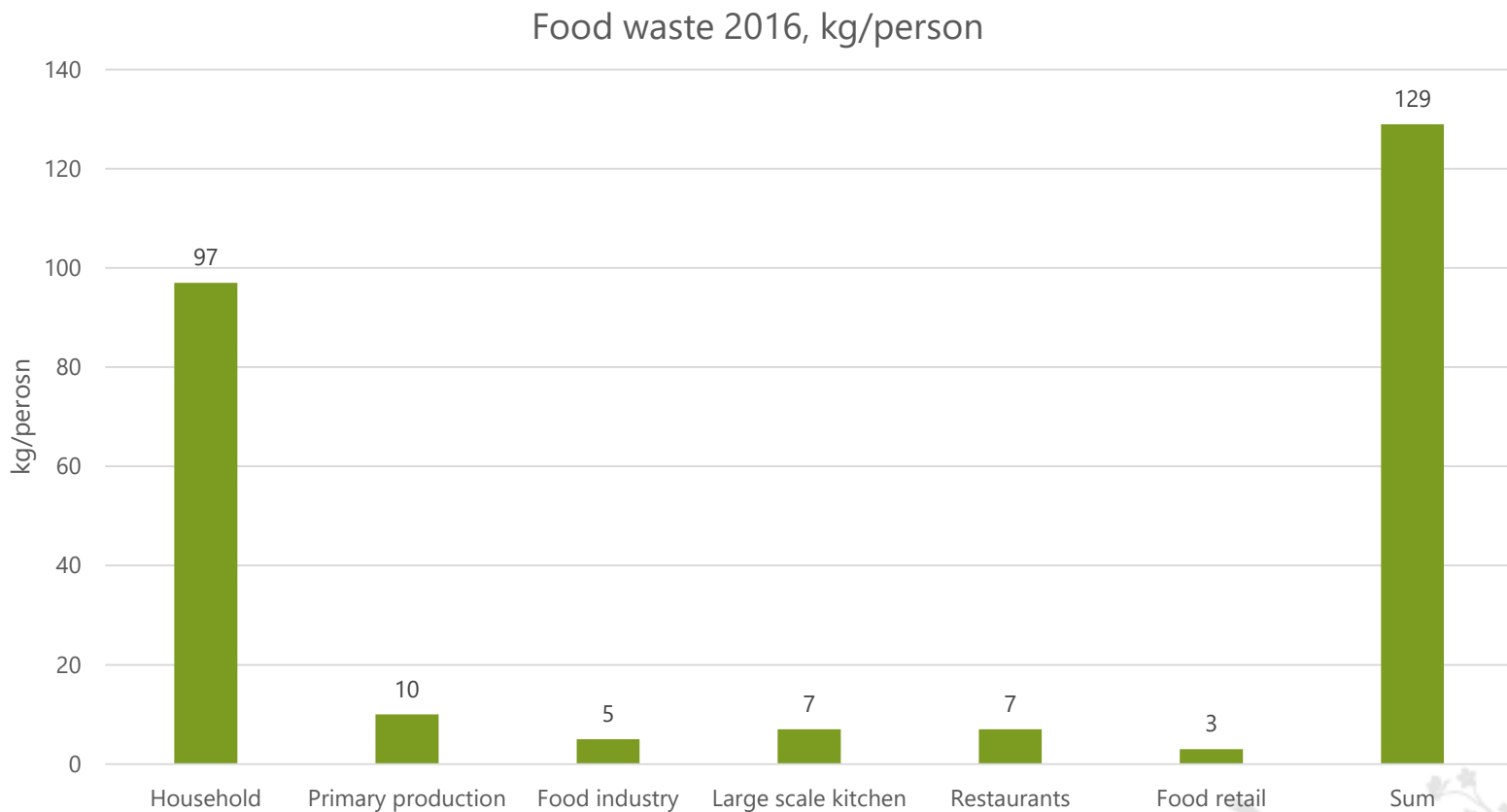
- Excessive purchasing
- Storage
- Management of best-before dates
- Excessive cooking
- Lack of routines for left-overs



Source:thepacker.com



Food waste in Sweden



Global problem- local solutions?



Agenda 2030: goal 12

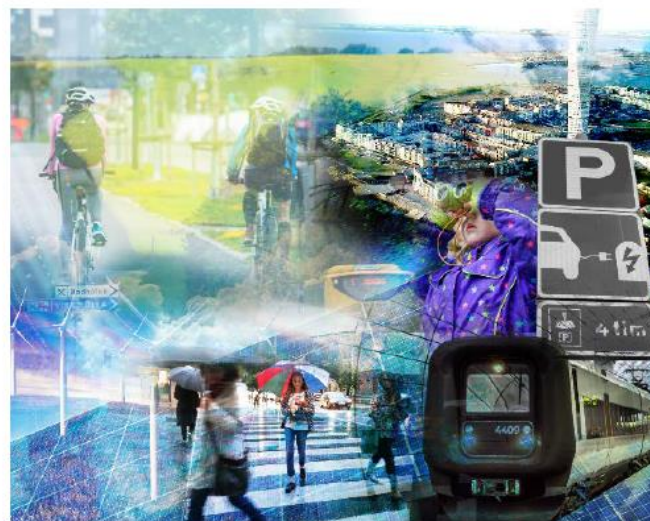
Food target: By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses

Regional Action Plan for environmental objectives and Climate and Energy Strategy



Länstyrelsen
Skåne

Ett klimatneutralt och fossilbränslefritt Skåne
Klimat- och energistrategi för Skåne



Klimatsamverkan
Skåne



Kommunförbundet Skåne



Länstyrelsen
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Food waste – regional focus in Skåne

Partnership discussions with public and private players

Food waste festival to engage various actors on the individual level

Food Waste Call for Action (goal: by 2030 reducing food waste in Skåne by half); opening conference 28 Nov 2018

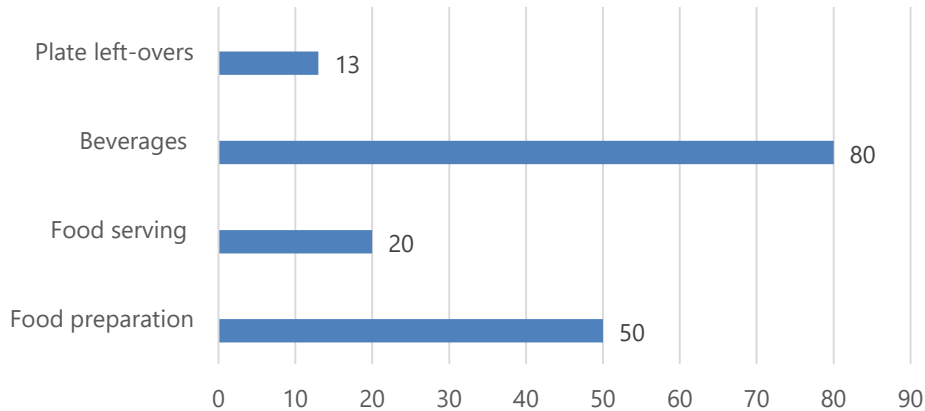
Network for reducing the food waste

Planning open challenge for two neighbouring regions

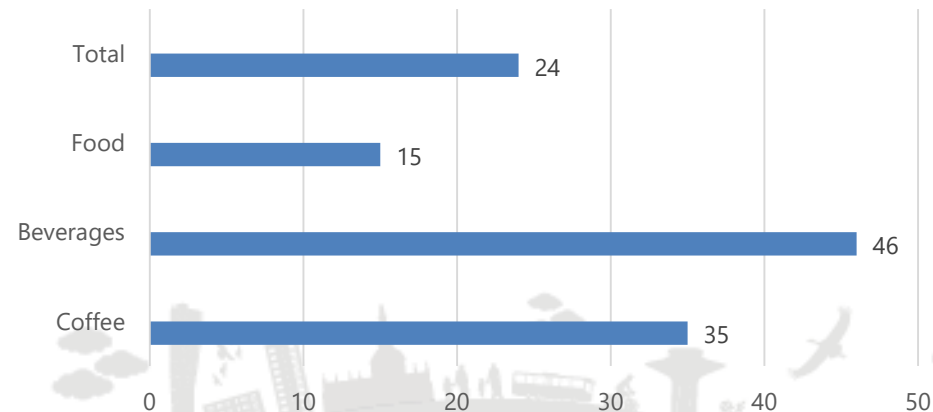


Food waste – local focus in Skåne

Preschool Hattstugan, reduction of food waste (%):



Elderly home Linegården, reduction of food waste (%):



Reduction of coffee waste equals to savings of ca 15 800 kr per year (ca 350 coffee packages or ... ca 17 500 cups of coffee!!!)

Conclusions

Holistic approach to food demand and supply is needed

Spectrum of approaches of value:

- Trimming food waste
- Reduction of meat consumption
- Limiting environmental degradation
- New sources of food supply






Thank you!

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