

VOEDSEL:

+ energie

+ ecologie

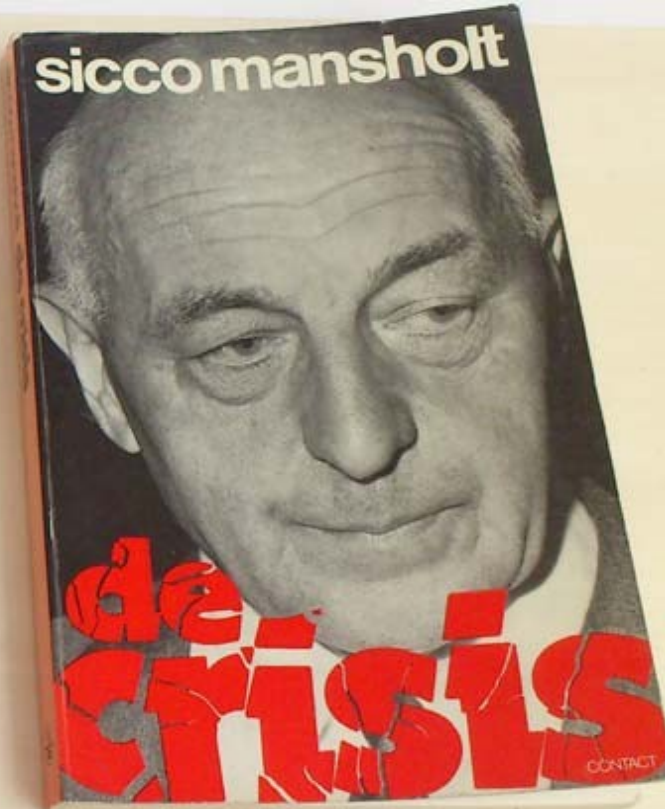
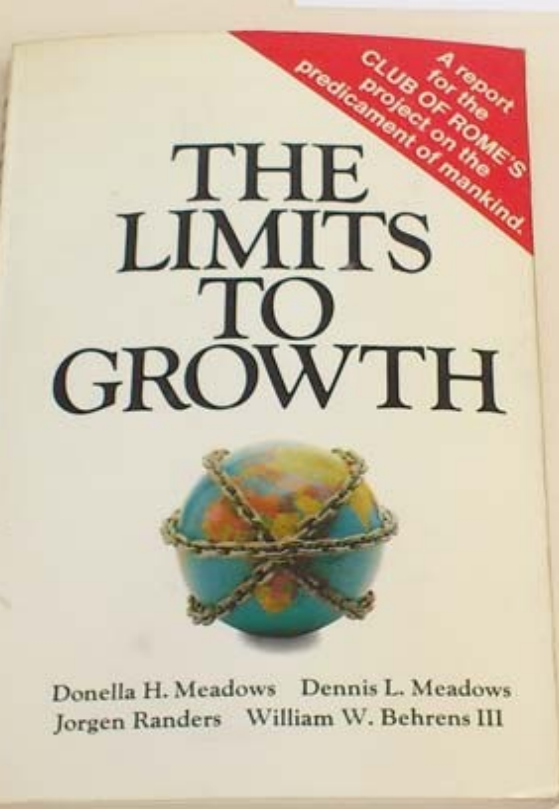
+ economie

+ gezondheid

+ sociaal

= duurzaam!





"Production by the masses, not mass production."

E. F. Schumacher





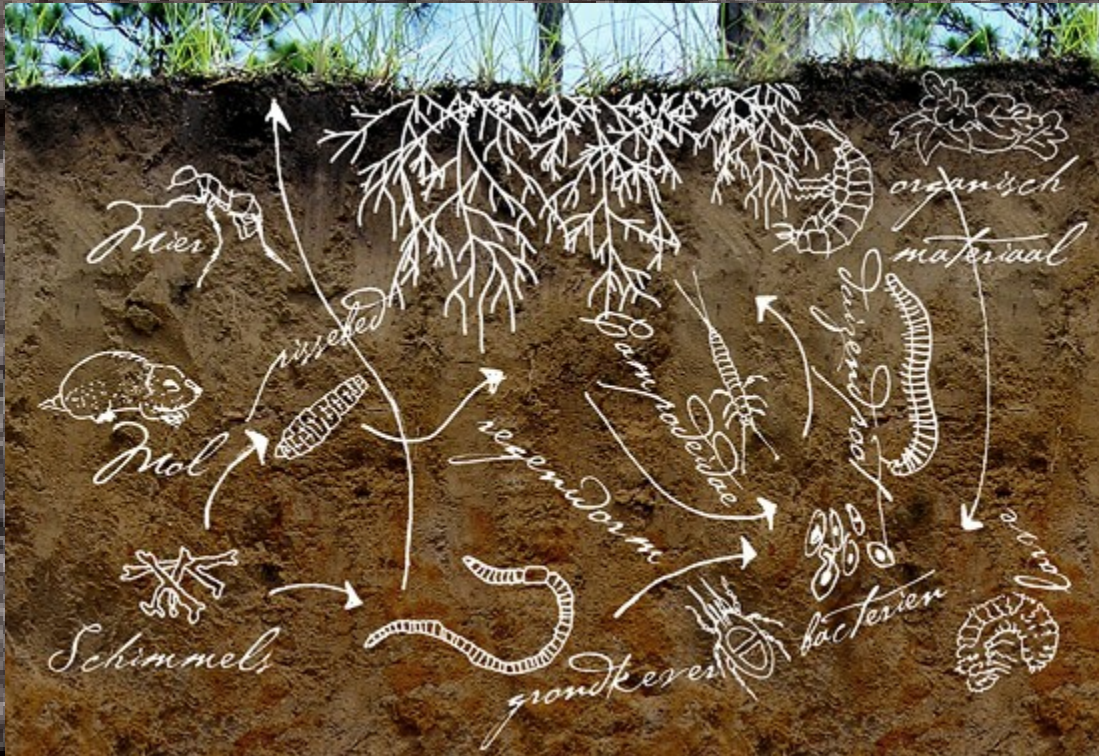
Kruidenvegetatie: - 95%

Bodemleven: - 75%

Weidevogels: - 60%

Koeien in de wei: - 45%





103 miljoen; 47 milj. leghennen



4,1 miljoen; 1,4 melkvee



430.000

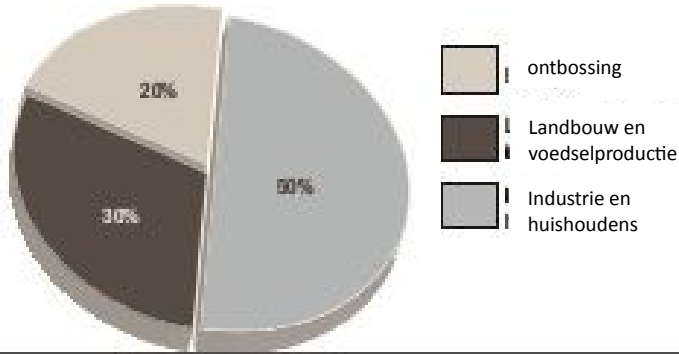


12 milj.



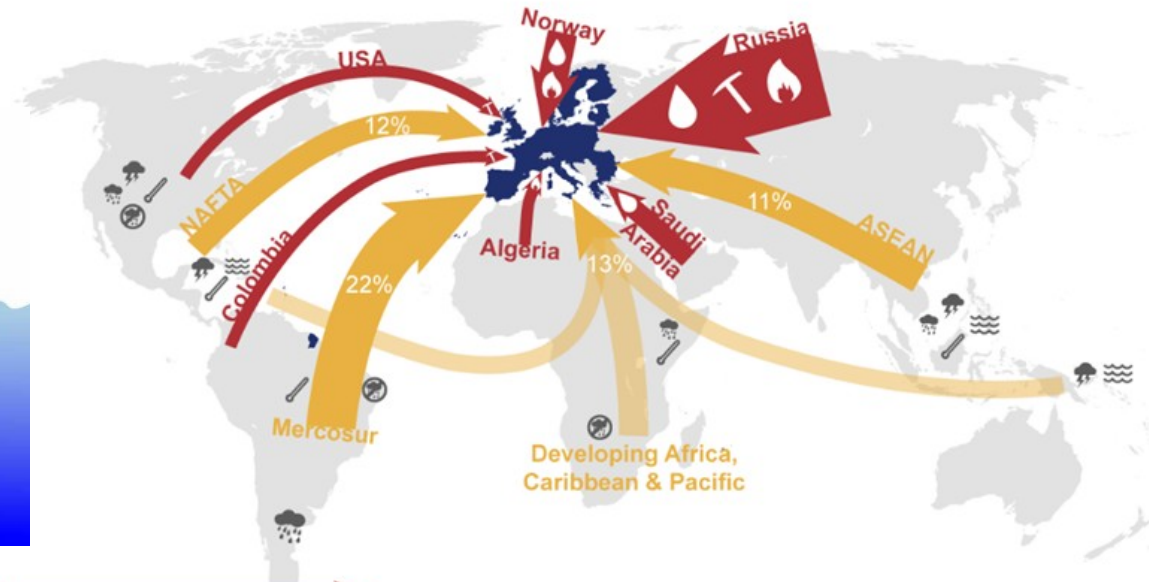
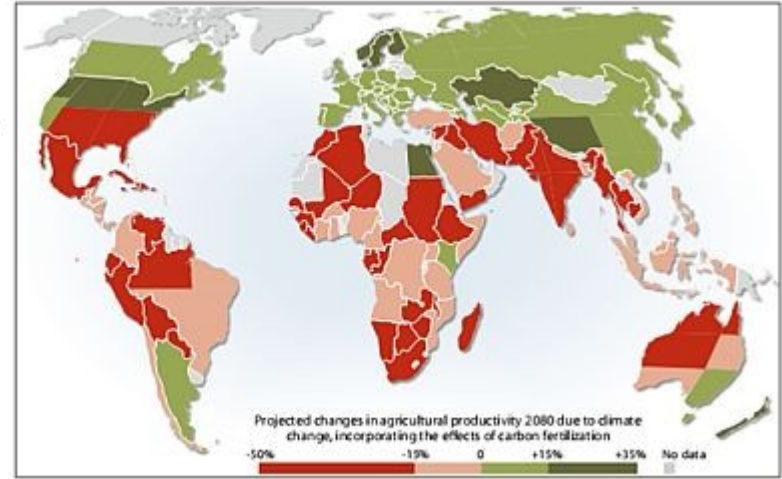
Resultaat: 74.1 miljoen ton mest en 30 Miljoen ton CO₂-equivalent (CBS 2014)

Wie zorgt voor de uitstoot?



De impact van de klimaatverandering doet zich het zwaarst voelen in de voedselproductie van de armste regio's

Bron: UNEP



Top three EU energy suppliers



Major EU agricultural suppliers (% total)

Top agricultural imports are: fruits & nuts, soyabeans, animal feed, coffee & tea, fats & oils (including palm oil)

Climate vulnerabilities

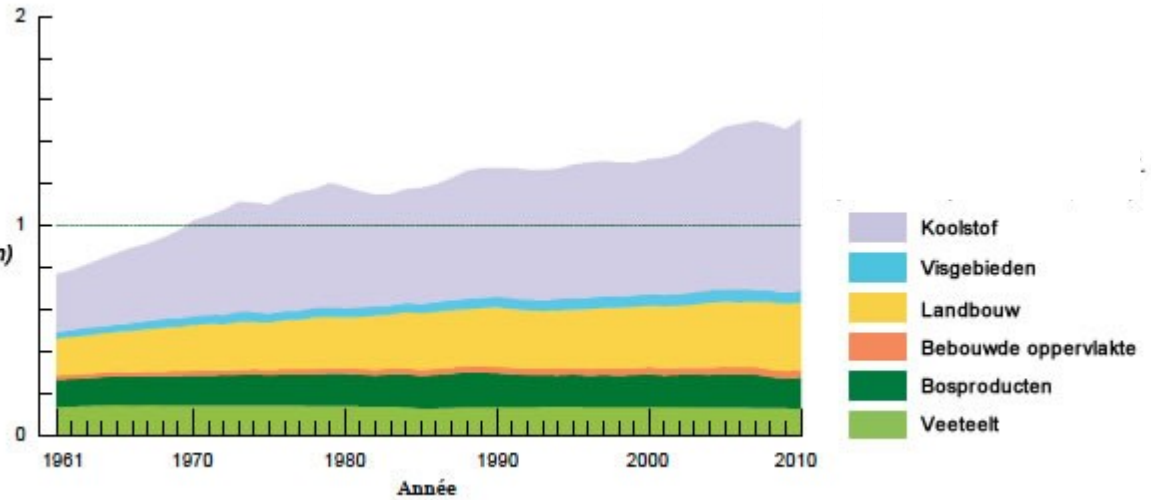




2012

156%
of biocapacity

**Ecologische
voetafdruk
(in aantal planeten)**



1 glass of milk



1 cup of tea



1 cup of coffee



1 orange



1 apple



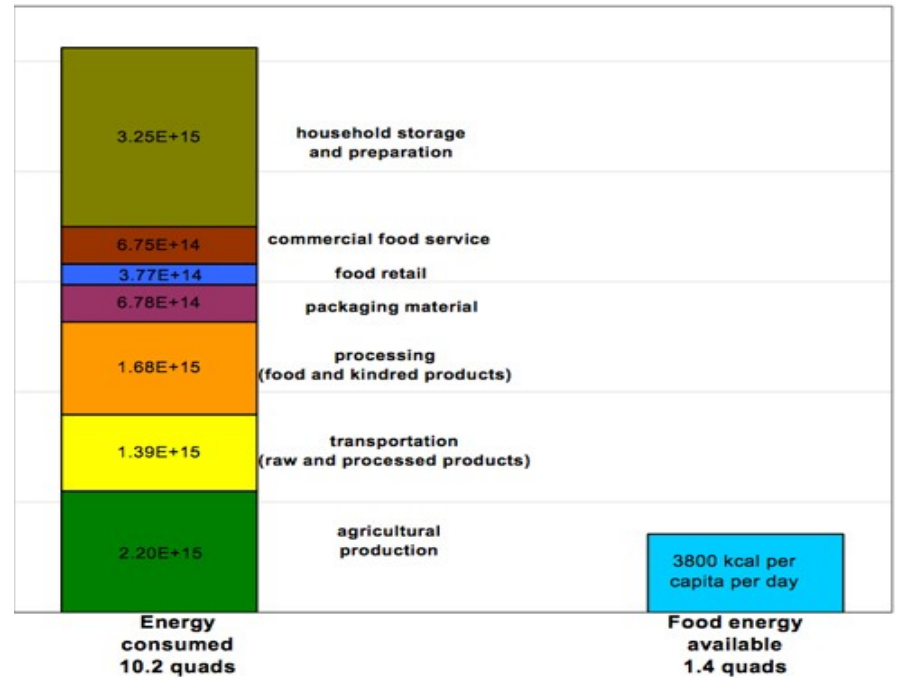
1 glass of wine



1 potato

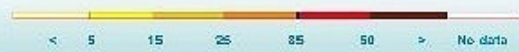
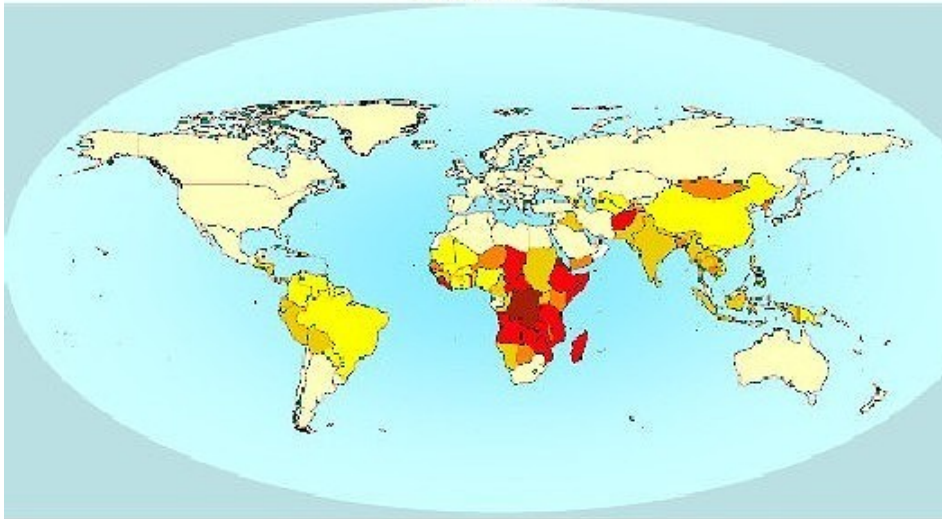


1 hamburger





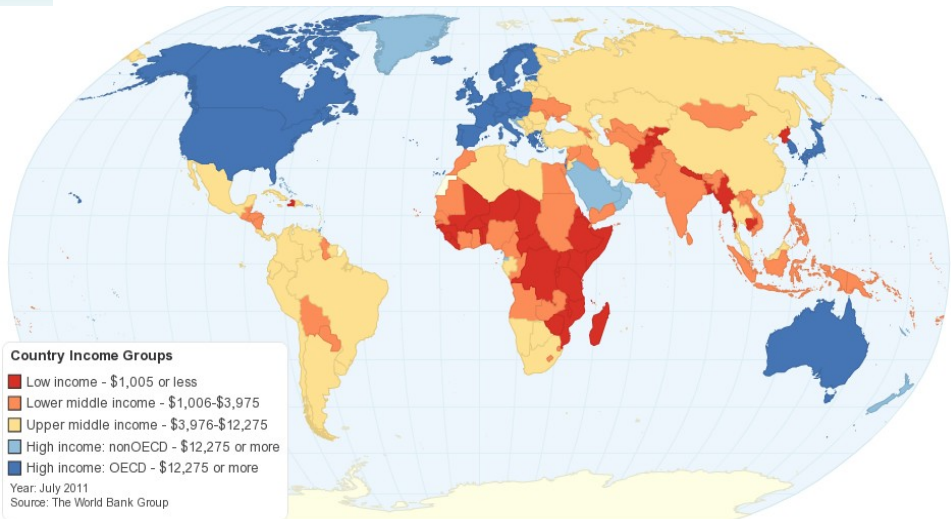
Hunger map



نسبة التغيمة للتغذية
 ٪
 Undernourished population
 Population sous-alimentée
 Población subnutrida

FAOSTAT

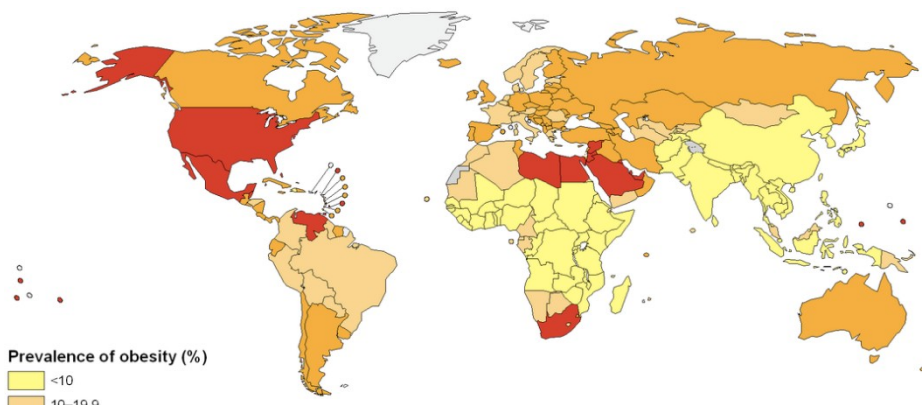
2009-2010



Country Income Groups

- Low income - \$1,005 or less
- Lower middle income - \$1,006-\$3,975
- Upper middle income - \$3,976-\$12,275
- High income: nonOECD - \$12,275 or more
- High income: OECD - \$12,275 or more

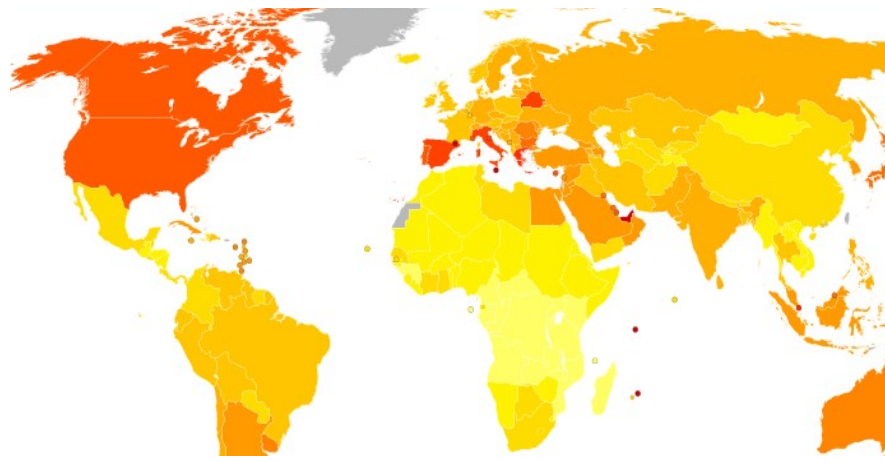
Year: July 2011
 Source: The World Bank Group

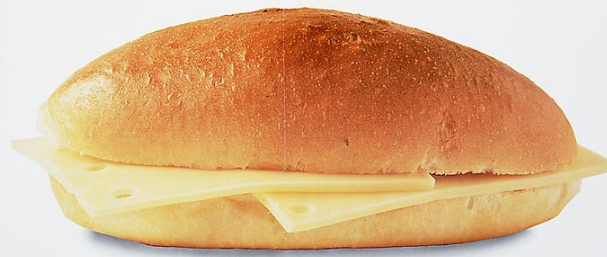


Prevalence of obesity (%)

- <10
- 10-19.9
- 20-29.9
- ≥30
- Data not available
- Not applicable

* BMI ≥30kg/m²





BROOD, DAAR ZIT WAT IN.



**Vlees
mevrouw**



**u weet best
waarom.**

Een publicatie van:
Stichting Voedingsbureau Vlees, Vleeswaren, Vleesconserven te Den Haag



**Ik drink
melk.**

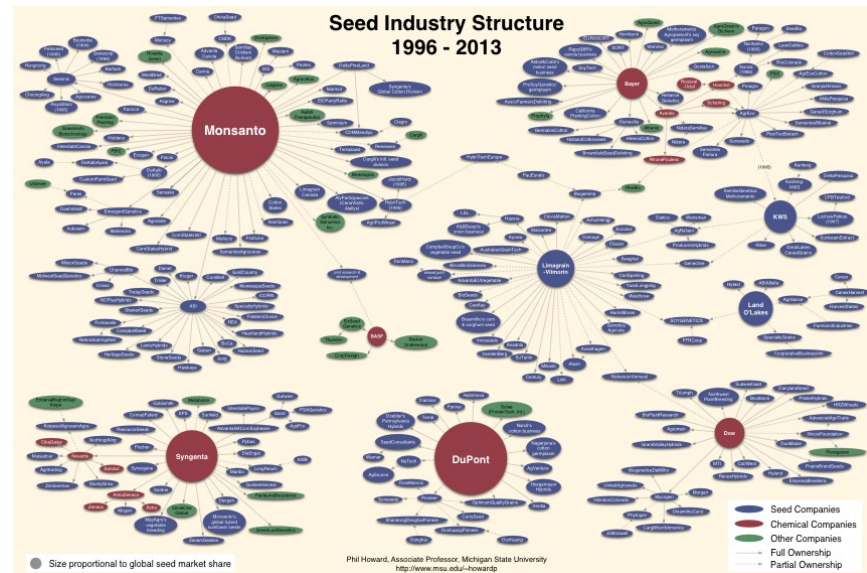
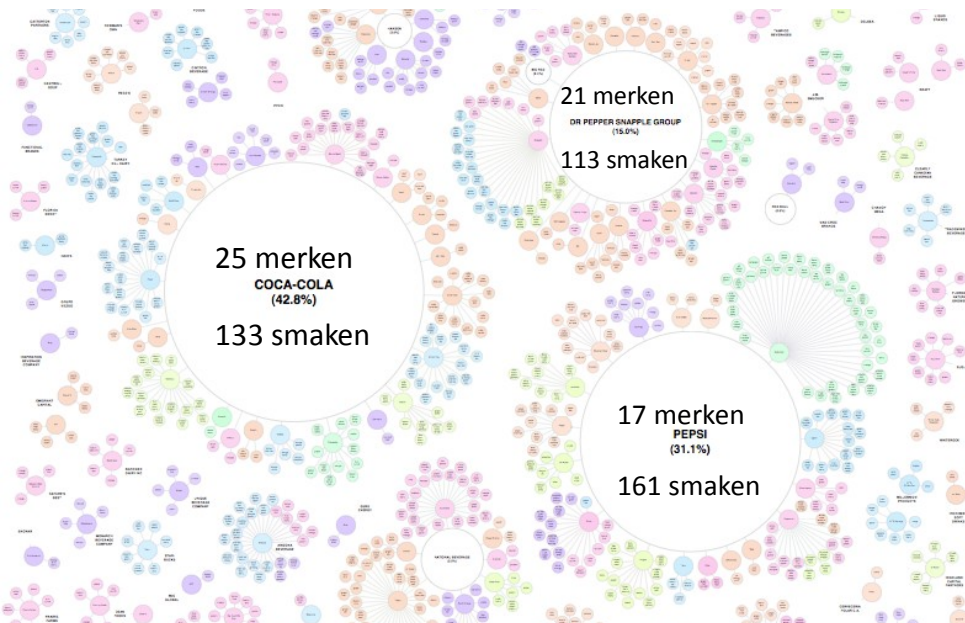
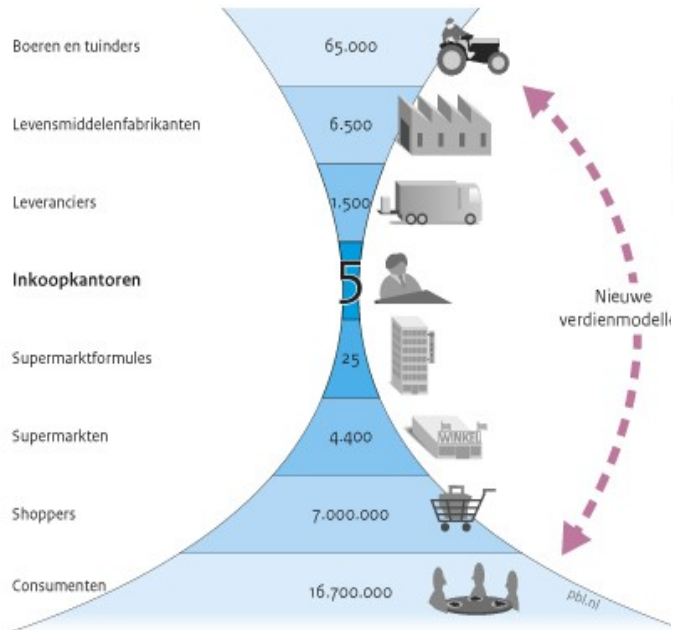


Joris Dingemans

Jij ook?

M Melk moet. Melk doet je goed.





for EVERY
1 HUNGRY
PERSON in
THE WORLD, **1.4 TONS**
of FOOD is
WASTED
EACH YEAR

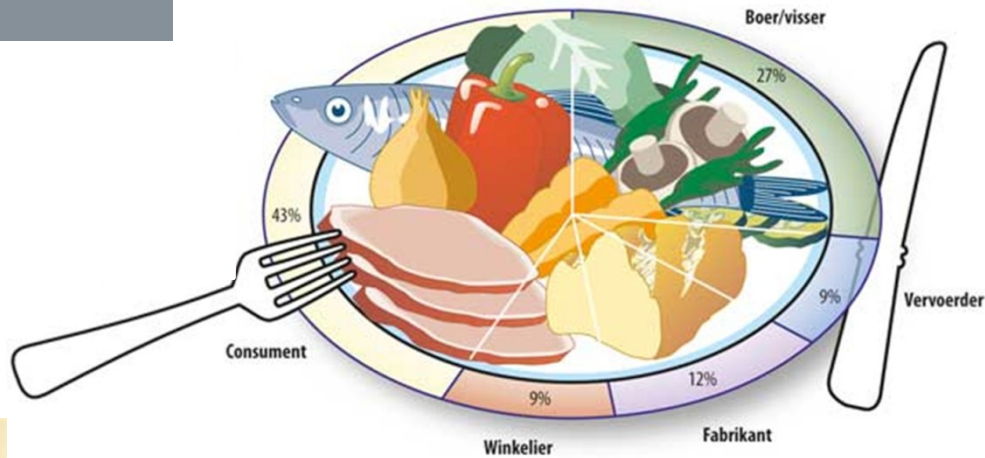
FOOD WASTE
is a major worldwide problem



1.3 billion tons

of all edible food produced worldwide is wasted or lost each year. That is 1/3 of the food produced annually.

200 million
PEOPLE CAN BE FED WITH THE AMOUNT OF FOOD WASTED IN EUROPE



Inkoop voedsel: 368 kg/pers./jaar
 Onvermijdbaar afval: 19 kg
 Verbruik: 349 kg
 Verspilling: 49 kg = 15 %



Vier oplossingsrichtingen voor een duurzamer voedselsysteem

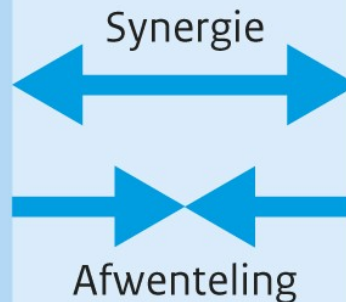
Voedselsysteem

1. Anders consumeren

- Minder dierlijke producten
- Meer groenten en fruit
- Minder verspillen

2. Efficiënter produceren

- Hogere gewasopbrengsten
- Betere voederconversies
- Minder verliezen in de voedselketen



3. Zorgvuldiger produceren

- Natuurlijk ecosysteem beter benutten
- Overlast en risico's beperken
- Minder gebruik van antibiotica en bestrijdingsmiddelen
- Beter dierenwelzijn

4. Anders delen en verbinden

- Verbeteren transparantie ketens
- Streekproducten bevorderen
- Bevorderen keurmerk eerlijke handel

Everyone can gain from a smarter food system

Gains are available along supply chains and across sectors in global F&A.



Rabobank

Farm Inputs

Phenomics are speeding up innovation: enabling two- to sixfold productivity gains

Farming

Drones take farming to new heights: lifting productivity by 5% above business-as-usual

Smart irrigation helps us to use water effectively: reducing water use by as much as 80%

Processing

Poultry production and processing gets connected: lifting productivity by 5% above business-as-usual

Distribution

Fresh produce monitoring can lift quality and reduce waste: Fruit and vegetable losses and waste can be reduced by 25%-40%

Retail

Big data helps food retailers create customer value: Retailers are looking to recover margins of at least 1%

The data cooperative is coming: Harnessing big data can create some USD 10 billion of value at crop farms worldwide, each year





Don't buy what
you don't **eat**.

En natuurlijk
biologisch



MAKE IT HAPPEN
CHOOSE FAIRTRADE



Meervoudige

Een essay over de nieuwe rol

overheidssturing in open,

van het ministerie van Economische Zaken

dynamische en lerende

in de energieke netwerksamenleving

netwerken

OUR CHALLENGE IS THAT PEOPLE

DON'T CARE THAT MUCH

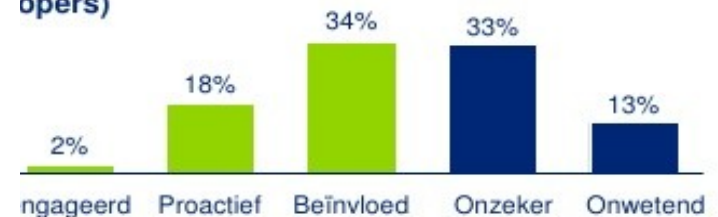


Opdracht

I  Burgers

Maak een nieuwe website en
stel de burger centraal

Ontwikkeling milieubewuste inkopen (% van
opdrachtnemers)





GRONINGEN GROEIT GEZOND

Inzet van beleid en ervaringen met de uitvoering

A young girl with dark hair and red-rimmed glasses is holding a bright green apple in her hands. She is wearing a blue shirt. The background is a soft-focus outdoor setting with green foliage and a brown branch.

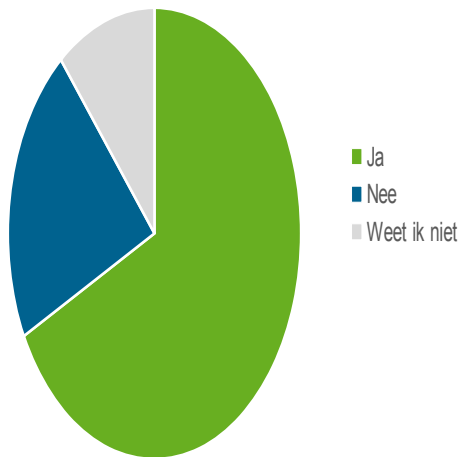
EETBARE STAD

- Betrokkenheid bij omgeving en groen,
- Voedselbewustzijn,
- Versterking sociale structuren,
- Gevoel van positieve bijdrage stadsnatuur,
- Ecologische voetafdruk,
- Duurzaam ruimtegebruik.



Groningers en Duurzaam voedsel

Koopt u, of iemand in uw huishouden, wel eens streekproducten of lokale producten?



Zou de gemeente Groningen volgens u iets moeten doen zodat mensen meer duurzame voedingsproducten kopen?

