

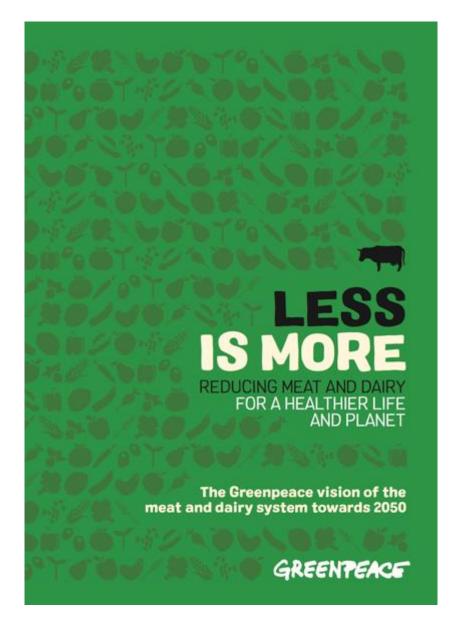
nederlandse zuivel organisatie

## Sustainable diet and lifestyle

Dr. Stephan Peters – NZO

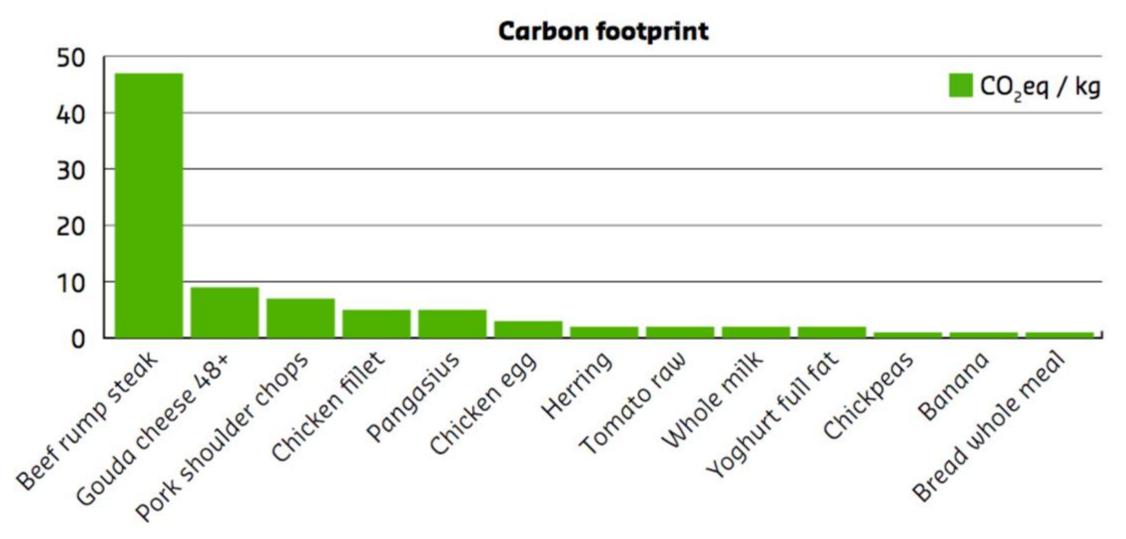
#### **Less animal – more plant-based?**





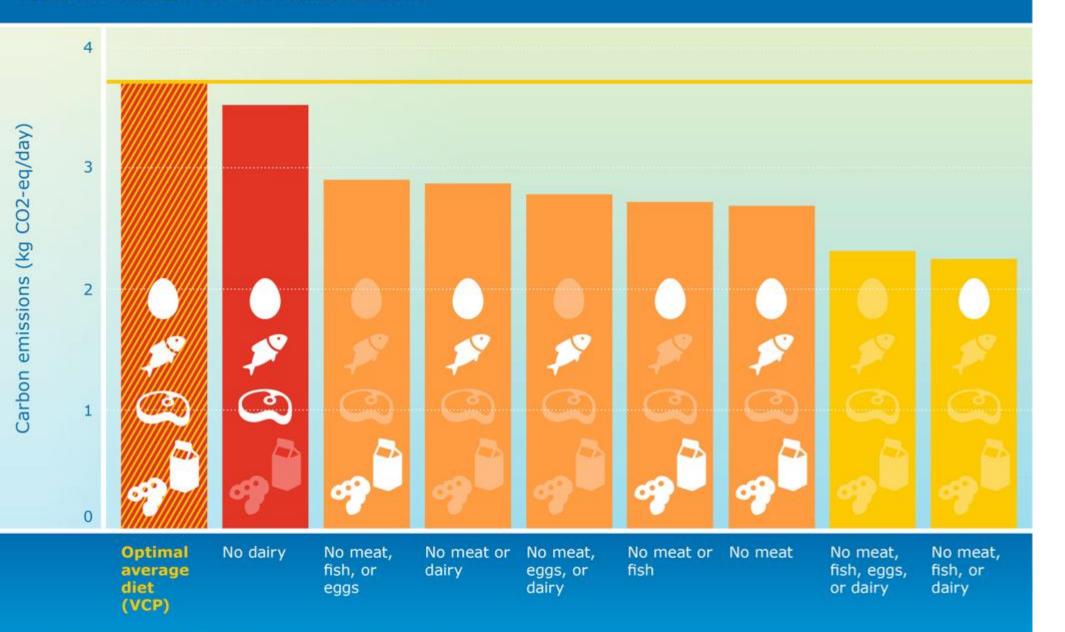






## EFFECTS ON CARBON EMISSIONS FROM LIMITING ANIMAL-BASED FOOD GROUPS IN OPTIMALISED DIETS COMPARED TO THE AVERAGE DIET









Markt



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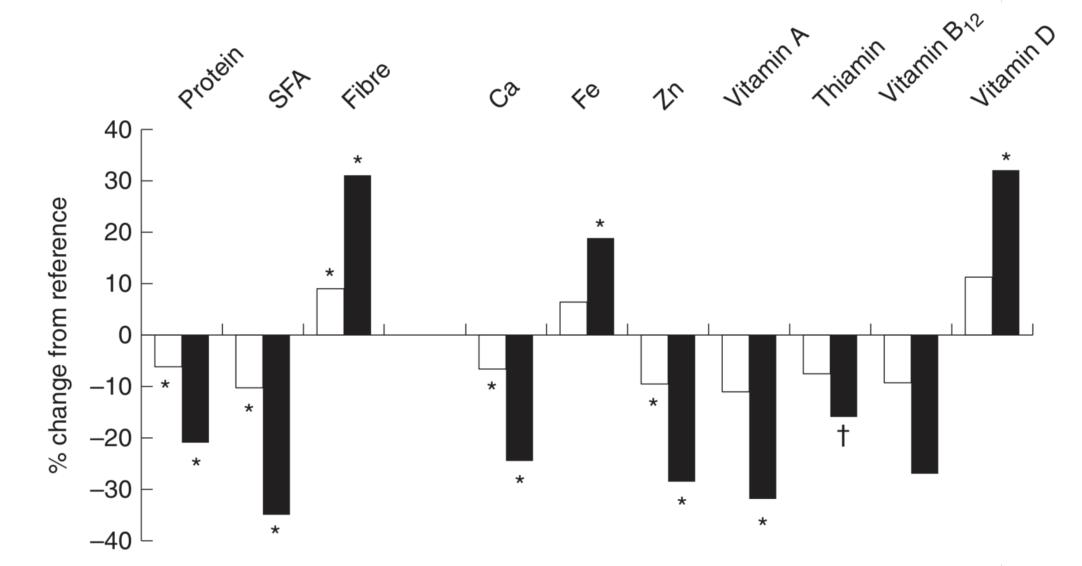


Voeding





**Voeding**Less meat and dairy (white). No meat no dairy (black) (Public Health Nutrition: 20(11), 2050–2062)























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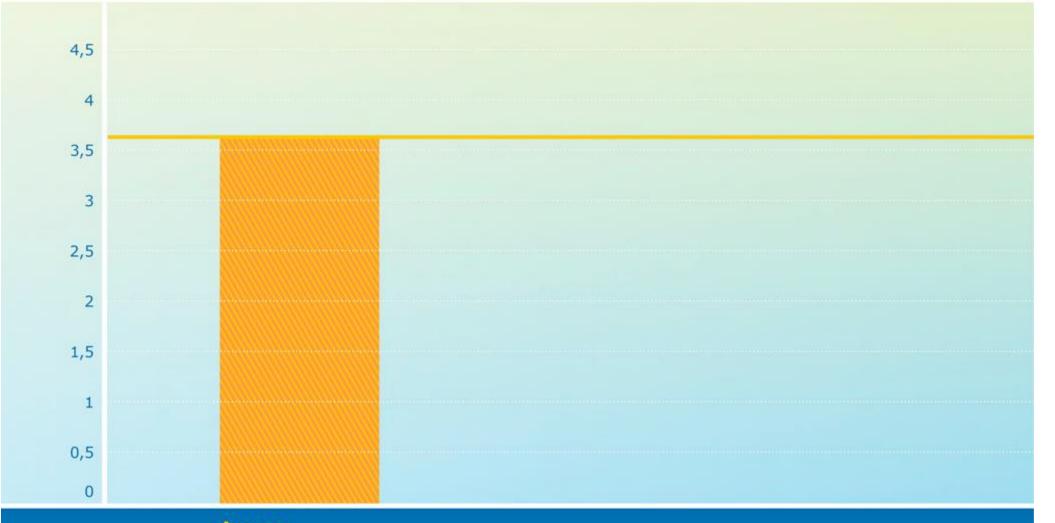


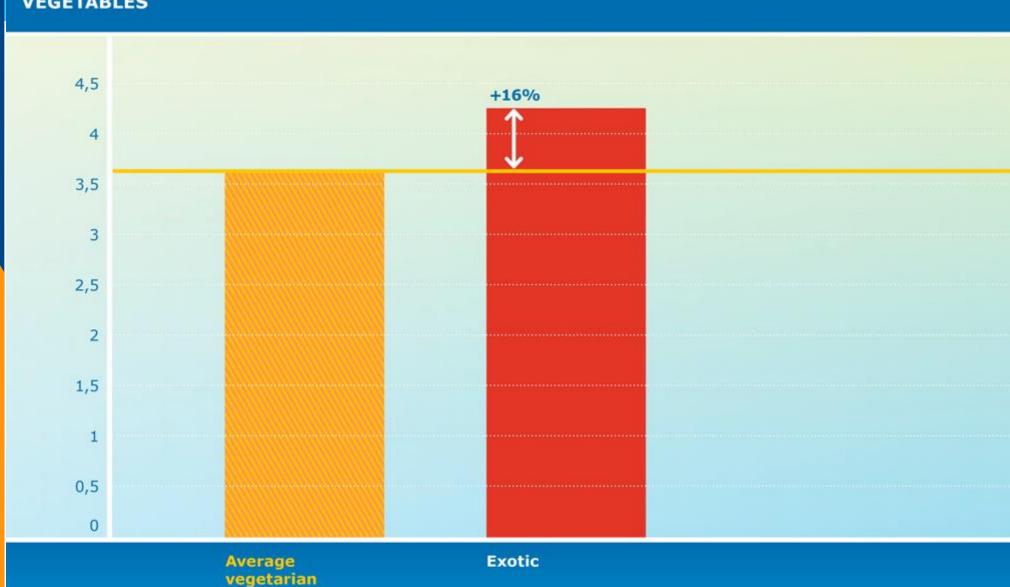
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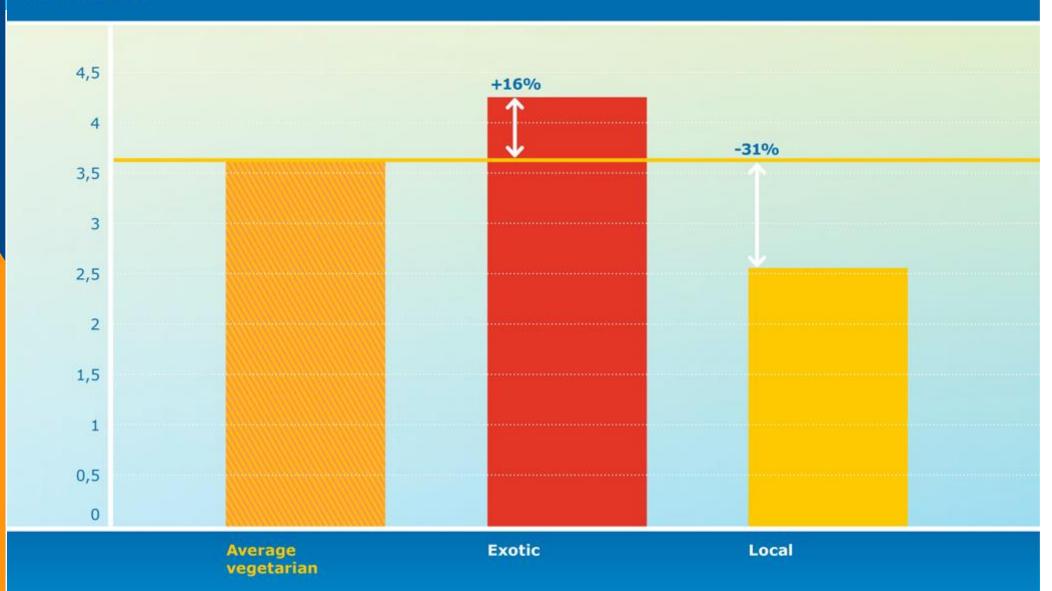


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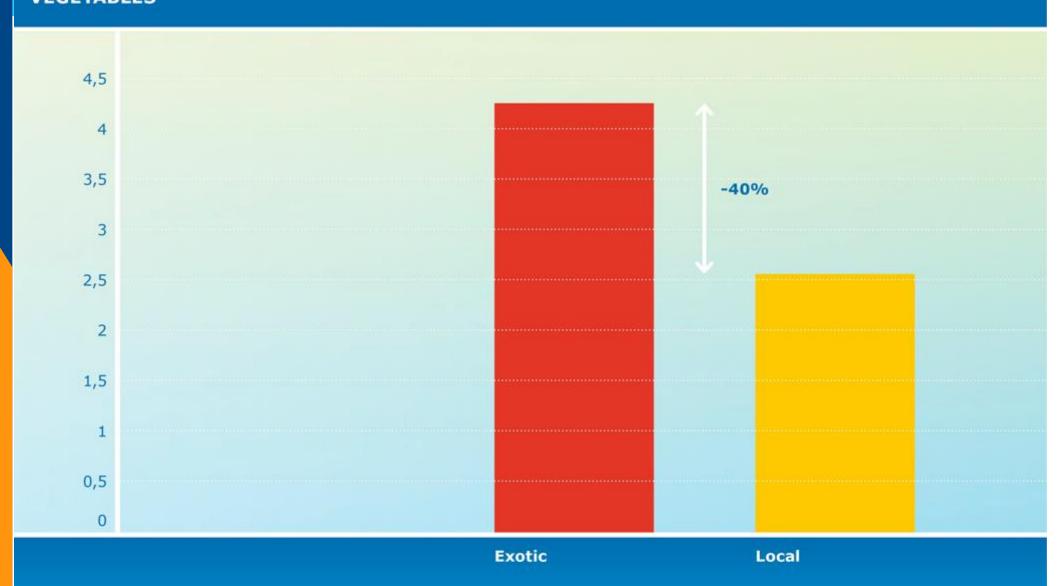


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Sustainable and healthy diet: Conclusions (Dutch situation)

- Eat less calories and accordging to food-based dietary guidelines
- Eat less confectionary products and other extras
- Eat less red meat (especially imported red meat)
- Eat more whole grain products
- Eat vegetables and fruits according to recommndations and as local as possible
- Keep dairy intake at current level
- Drink less softdrinks and alcoholic beverages

 EAT A LESS ANIMAL AND MORE PLANT-BASED DIET IS NOT THE RIGHT PARADIGMA DECREASING ENVIRONMENTAL FOOTPRINT













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#### **UK: Livewell Plates**

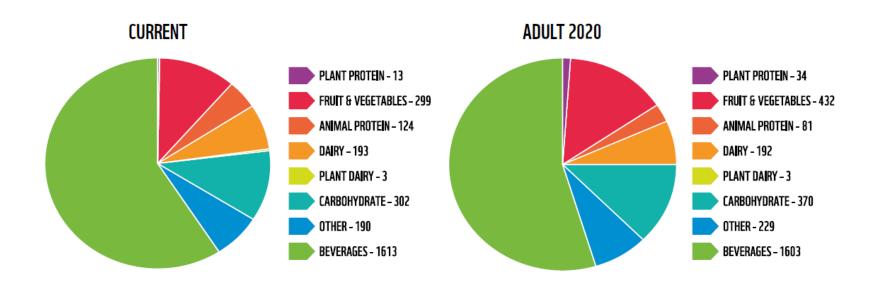
#### WWF 'eating for 2 degrees'

#### Optimeal©

"Dietary changes needed by 2020 (and 2030) in order to keep the average global temperature rise well below 2 degrees"

The Livewell Plates for UK adults: diet that is sustainable – looking at carbon, water and land – affordable and in line food preferences in the UK.

Provides the required amount of calories as well as meeting all national nutrient requirements and the food-based dietary requirements of the Eatwell Guide.







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#### THE 4 PRINCIPAL DIMENSIONS OF SUSTAINABLE DIETS





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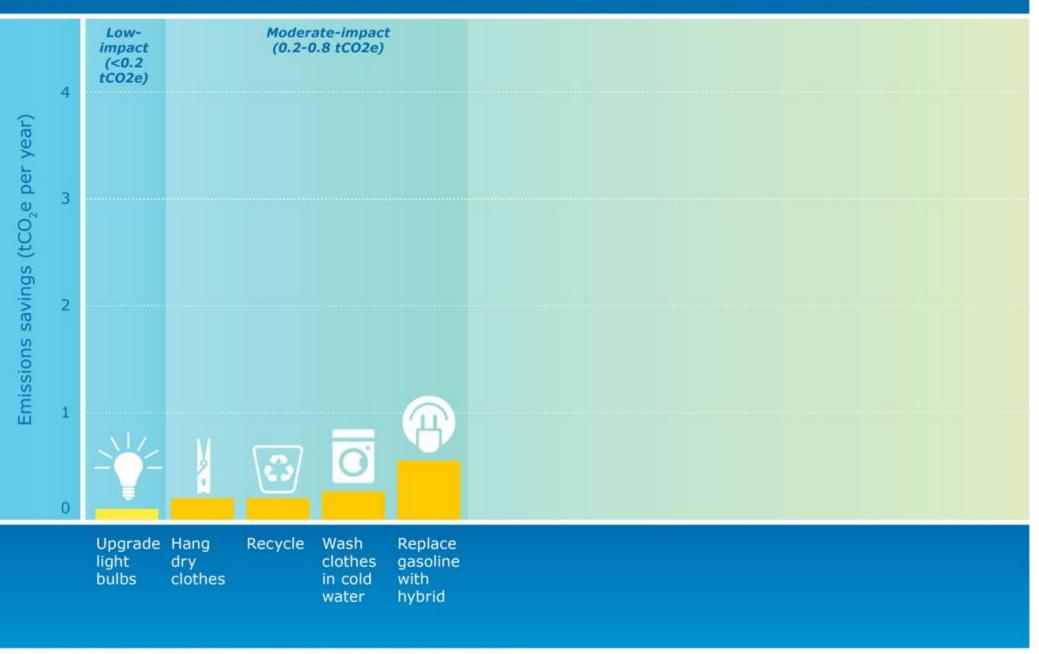
Culture

Health & Nutrition

Sustainable Diets

**Environment** 

**Economy** 





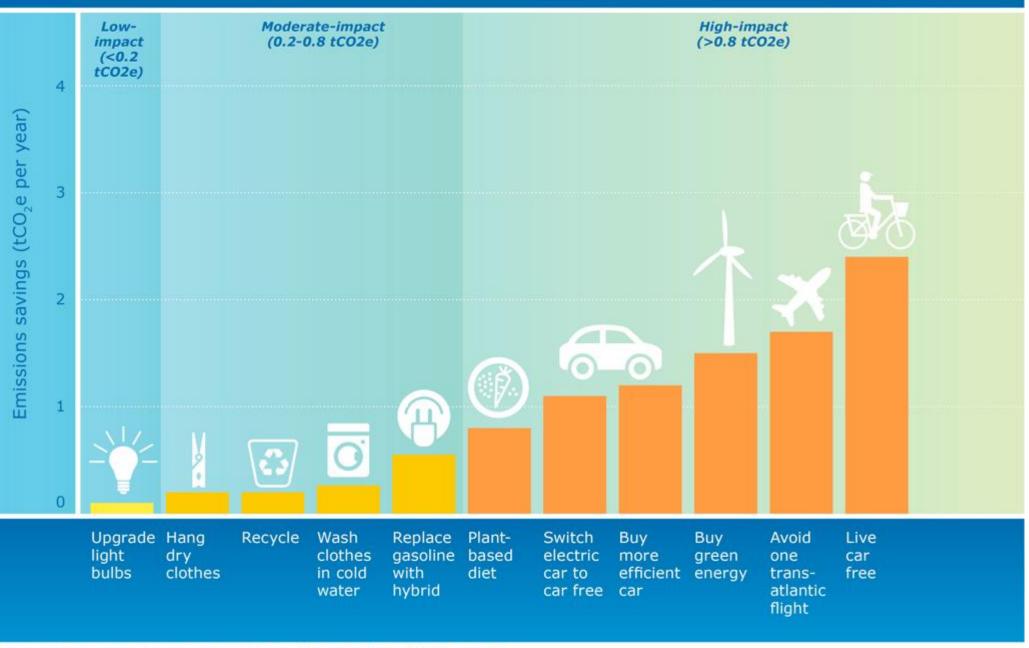




















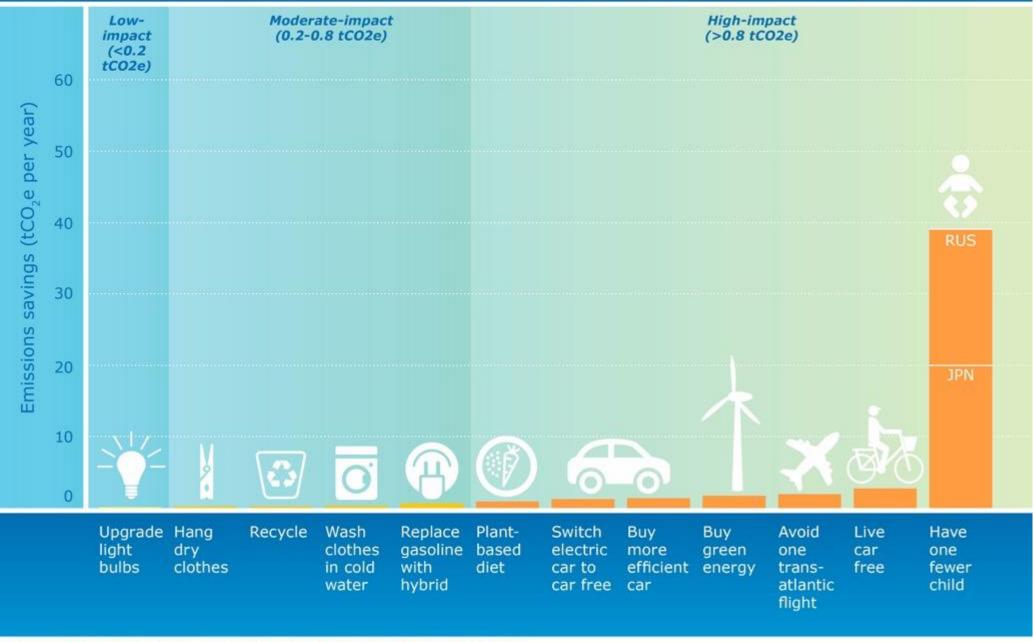
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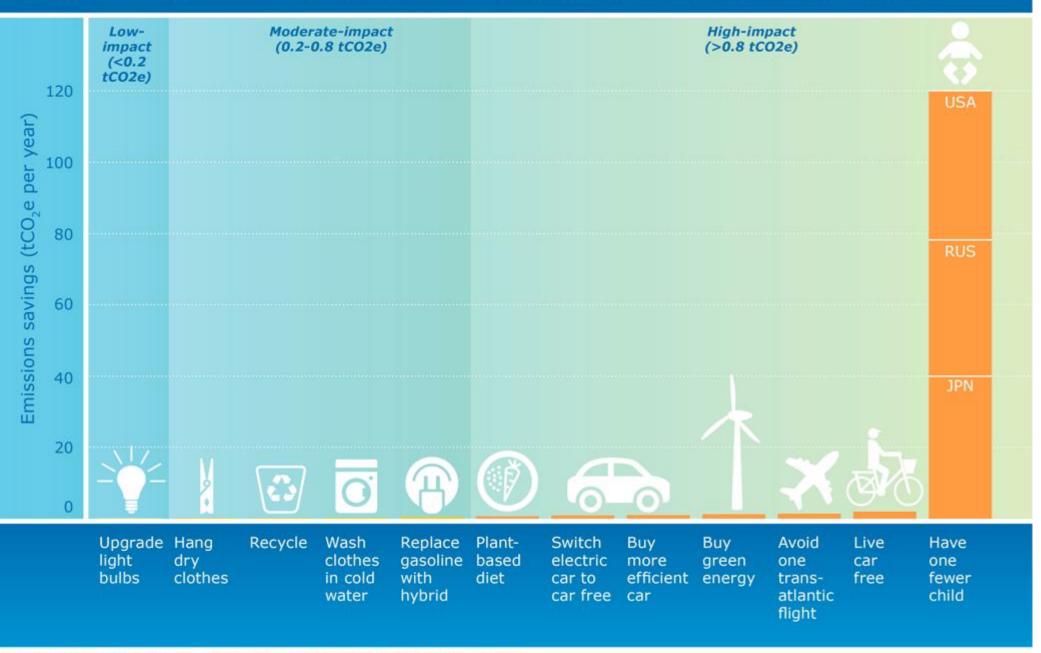
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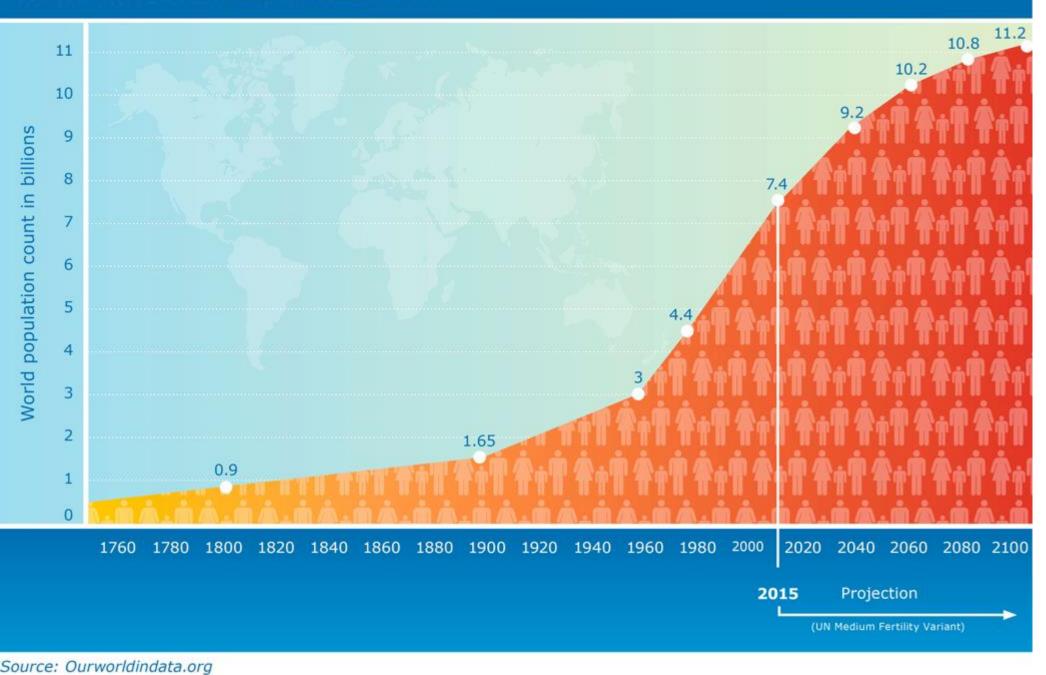


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#### **WORLD POPULATION GROWTH, 1750-2100**















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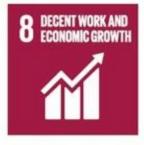




































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 EAT A LESS ANIMAL AND MORE PLANT-BASED DIET IS NOT THE RIGHT PARADIGMA DECREASING ENVIRONMENTAL FOORPTINT









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• EAT A LESS ANIMAL AND MORE PLANT-BASED DIET IS NOT THE RIGHT PARADIGMA DECREASING ENVIRONMENTAL FOORPTINT

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TOTAL LIFESTYLE DETERMINES ECOLOGICAL FOOTPRINT







nzo

EAT A LESS ANIMAL AND MORE PLANT-BASED DIET IS NOT THE RIGHT PARADIGMA DECREASING ENVIRONMENTAL FOOTPRINT

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TOTAL LIFESTYLE DETERMINES ECOLOGICAL FOOTPRINT

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GOING VEGAN IS NOT HEALTHY AND VEGANS CAN HAVE A HIGH ECOLOGICAL FOOTPRINT





nzo

- EAT A LESS ANIMAL AND MORE PLANT-BASED DIET IS NOT THE RIGHT PARADIGMA DECREASING ENVIRONMENTAL FOOTPRINT
- TOTAL LIFESTYLE DETERMINES ECOLOGICAL FOOTPRINT
- GOING VEGAN IS NOT HEALTHY AND VEGANS CAN HAVE A HIGH ECOLOGICAL FOOTPRINT
- DAIRY PLAY ESSENTIAL ROLE IN SDG'S
  - 1. End poverty
  - Zero hunger
  - 3. Good health and well-being









Markt







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 SUSTAINABILITY IS COMPLEX AND MULTIDIMENSIONAL: WE HAVE TO WORK ON ALL ASPECTS!







# **Voeding**Eat Lancet





HOME THE COMMISSION NEWS & LATEST THE REPORT RESOURCES

# Our Food in the Anthropocene: Healthy diets from Sustainable Food Systems

The EAT-Lancet Commission on Food, Planet, Health

#### Extended Data Table 5 | Food-based dietary recommendations for healthy, more plant-based (flexitarian) diets

#### **Voeding**

Food itom	minimur	m level	maximum level	
Food item	g/d	serving	g/d	serving
wheat rice maize other grains roots			A total of up to 860 kcal/d for energy balance for all staple crops	3-4 (1/3 of energy)
legumes	50	1/2		
soybeans	25	1/4		
nuts & seeds	50	2		
vegetables	300	3-4		
fruits	200	2-3		
sugar			31	5% of energy
palm oil			6.8	1
vegetable oil			80	1/3 of energy
beef lamb pork			A total of 14 g/d for all red meat	1/7
poultry			29	1/2
eggs			13	1/5
milk			250	1
shellfish	A total of 28			
fish (freshwater)	g/d for all	1/2		
fish (demersal)	fish and	1/2		
fish (pelagic)	seafood			









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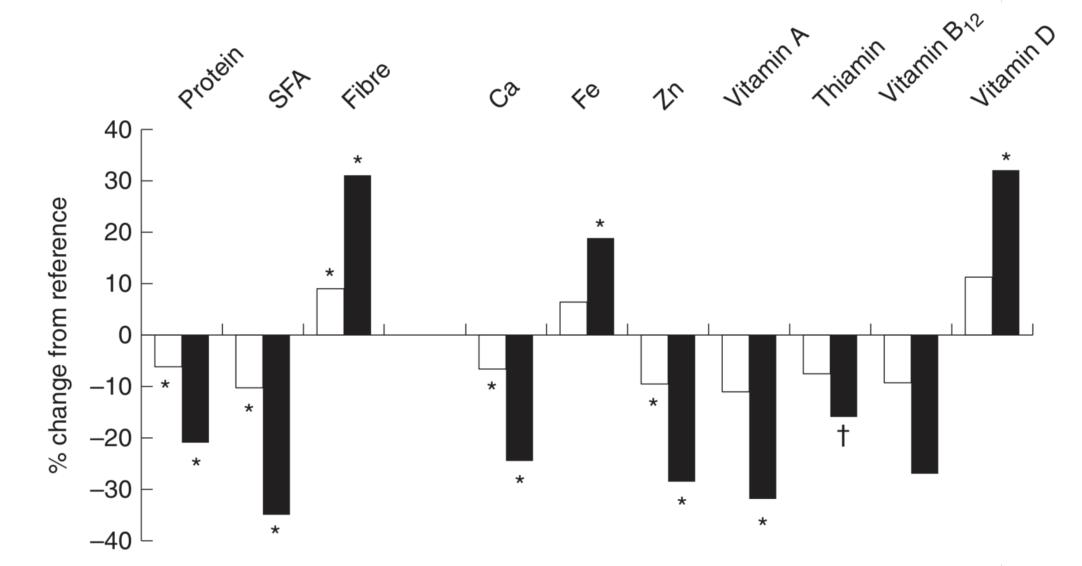
Nutrient	Flexitarian diet intake	Recommended intake
Vitamin B1	0.83 μg	1.1 μg minimum
Vitamin D	1.1 μg	3.3 μg minimum
Calcium	708.78 mg	1000-2500 mg
Selenium	48.74 μg	50-300 μg
Iron	11.68 mg	15-25 mg

vocumy





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## **Voeding**MAIN CONCLUSION

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- SUSTAINABILITY AND SCIENCE: THIS IS EMERGING/DEVELOPING
- SUSTAINABILITY IS COMPLEX AND MULTIFACTORIAL
- THERE IS CONSENSUS ABOUT THE PROBLEM
- THERE IS NO CONSENSUS ABOUT 'DEFINITION OF SUSTAINABILITY'
- THERE IS NO CONSENSUS ABOUT SOLUTIONS

- SUSTAINABLE DIET
  - Healthy
  - Environmentally friendly
  - Economically feasable
  - Culturally acceptable

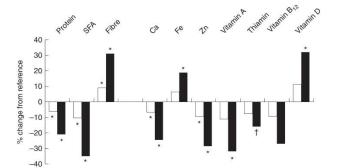






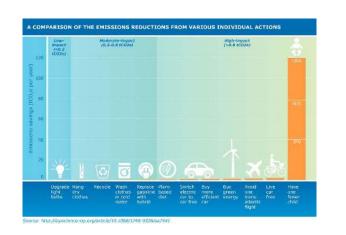






#### Thank you!





SUSTAINABLE GOALS

peters@nzo.nl

(

- Twitter @StephanDenHaag
- Researchgate: Stephan Peters





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