

79th MEETING OF THE EFSA ADVISORY FORUM, 3-4 March 2021 - Thematic Discussion on Sustainable/Healthy Diets

SUSTAINABLE HEALTHY DIETS

- Scientific background for revising the official Danish food-based dietary guidelines 2021

Christine Nellemann

Director of Institute National Food Institute, Technical University of Denmark

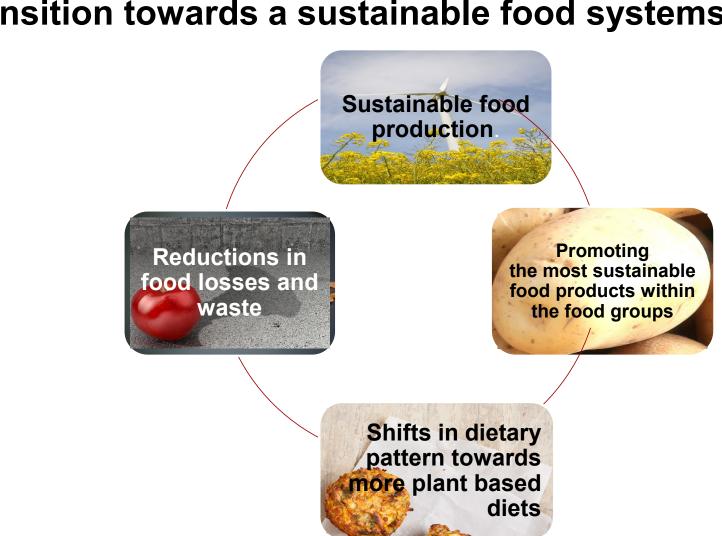
DTU

The assignment

- DTU in late 2018 accepted an assignment from the Danish Veterinary and Food Administration to re-assess the national dietary guidelines to lessen their carbon foot print, without compromising requirements for a healthy diet
- A peer-reviewed report was presented to the national authorities in February 2020 "Guiding principles for sustainable healthy diets - Scientific background for revising the official food-based dietary guidelines".
- The report was authored by Anne Dahl Lassen, Lene M Christensen, Sisse Fagt and Ellen Trolle from the National Food Institute



Combining healthy and sustainable diets is a unique opportunity to benefit both the Earth and our own health

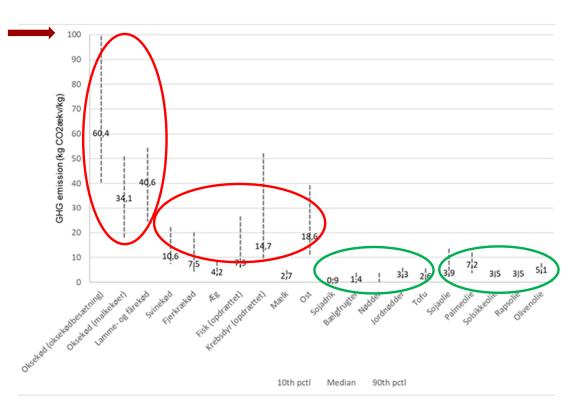


Transition towards a sustainable food systems

Different foods have very different carbon foot print (protein-rich foods)



Poore,J., andT.Nemecek. 2018. Reducing food environmental impacts through producers and consumers. Science 360:987-992 (relative weights beef beef from dairy cow contra chicken 1:4,5 and chicken contra legumes 1:5,4)

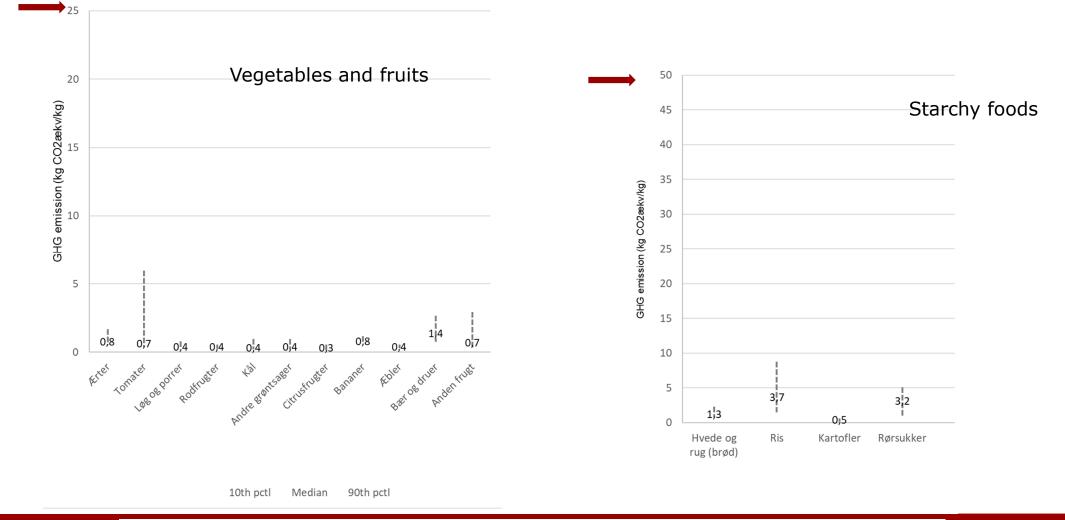


Poore, J. and T.Nemecek. 2018. "Reducing food environmental impacts through producers and consumers." *Science*. 360:987-992.

Different foods have very different carbon foot print (vegetables and starchy foods)

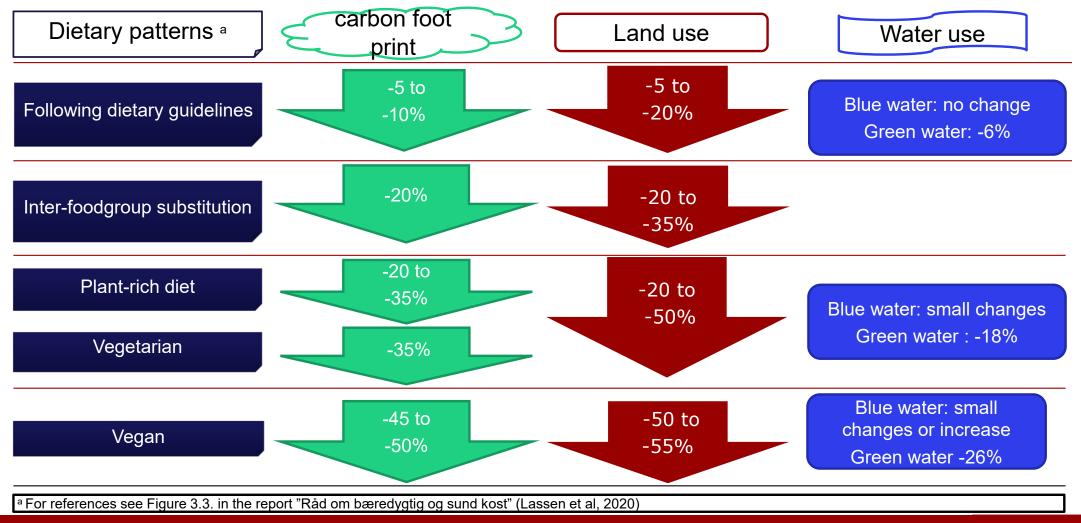
DTU

Ξ

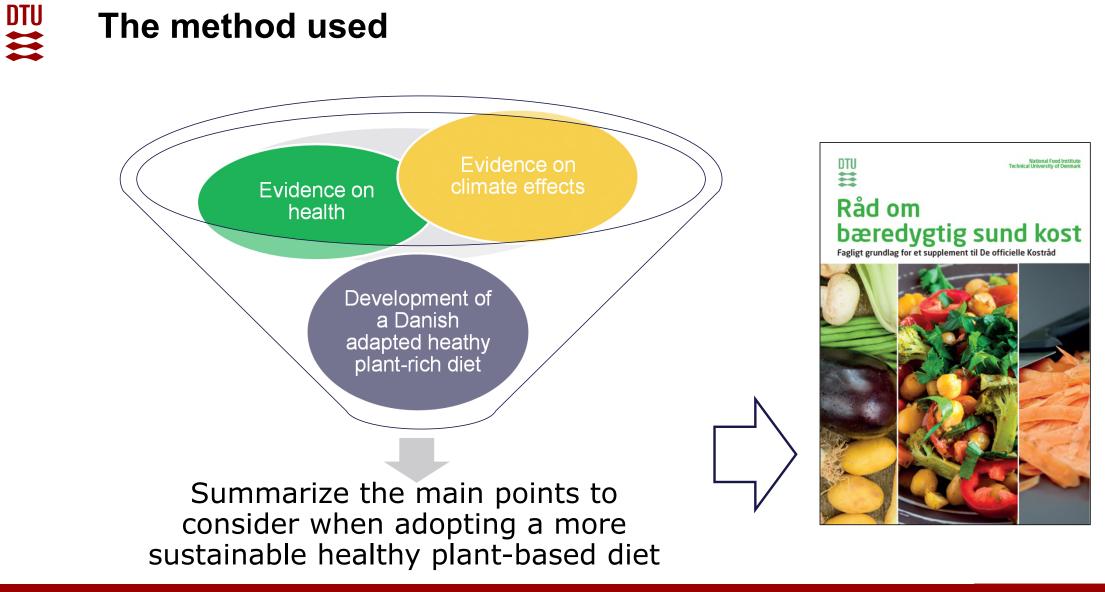


26 February 2021 Poore, J. and T.Nemecek. 2018. "Reducing food environmental impacts through producers and consumers." Science. 360:987-992.

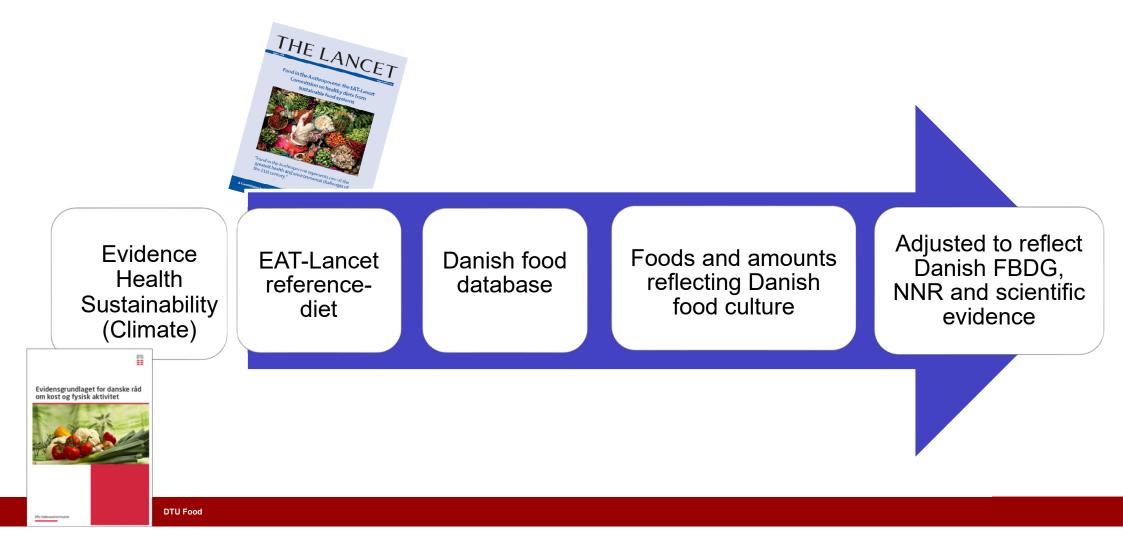
Different diets have very different evironmental impact



26 February 2021 DTU Food

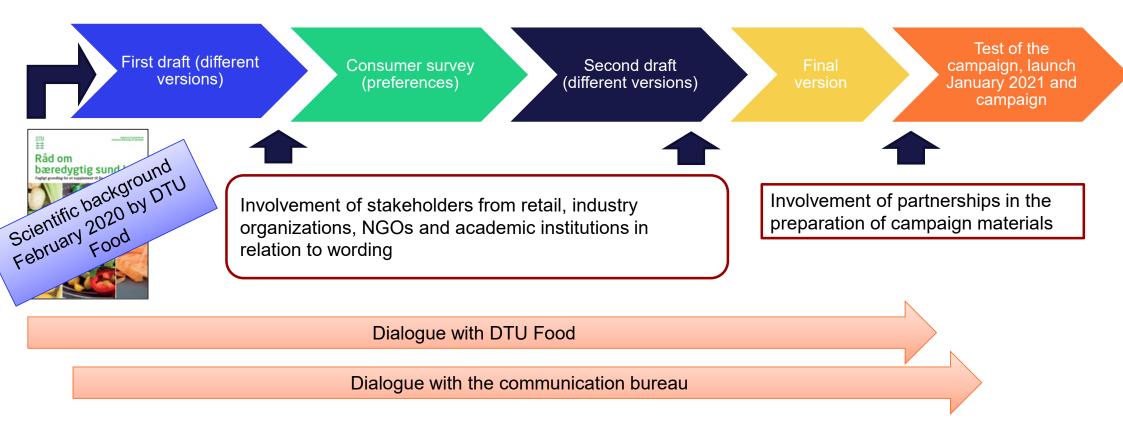


Process for the development of the Danish adapted plant-rich diet

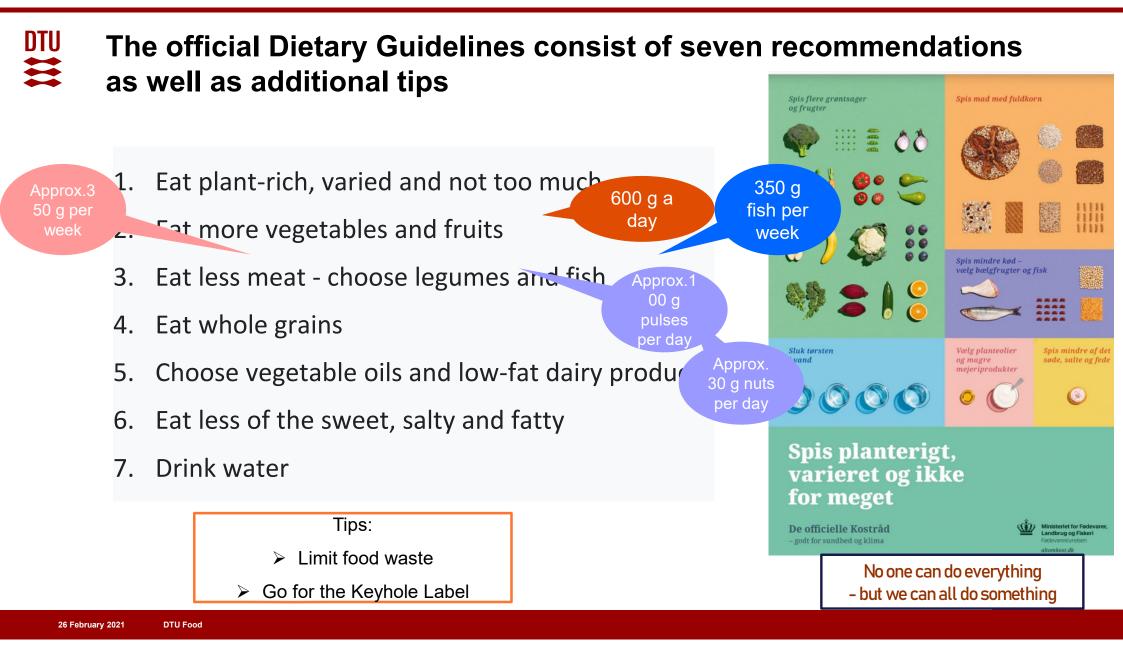


DTU

Further process by the Veterinary and Food Administration



26 February 2021 DTU Food



DTU

Perspectives of research needs

Nutritional, safety and environmental aspects of foods in the plant-based diet such as nuts, seeds, legumes, mushrooms – and fruits, vegetables.

Documentation of effects etc.

Innovation product development, minimally processed foods sustainable production methods etc

Continuing need for more and **up-dated data**

Implementation research and collaboration / many stakeholders: private – public – municipalities

- The report is available here:
 - https://www.food.dtu.dk/english/publications/nutrition
- It is in Danish with English summary
 - Translation function in MS Word works rather well!
- The paper is available here:
 - https://www.mdpi.com/2072-6643/12/3/738
- The new official dietary guidelines Good for Health and Climate is available here https://altomkost.dk/ (in Danish).