

Danish Agency for Higher Education and Science



**Conference** on

# Healthy, Safe and Sustainable Foods of the Future

13 October



# From foods to diets

how do we enable the transition to healthy and sustainable diets

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## Healthy, safe and sustainable foods in the future

1. How to combine food consumption – intake of foods

into healthy, sustainable, nutritional adequate diets and guidelines - adapted to Danish food culture

- 2. How to implement the guidelines in the Danish population and professional kitchens
- 3. Evaluate the feasibility and the nutritional and health effects of implementing the guidelines
- We facilitate advice from the Danish Veterinary and Food Administration
- To citizens/consumers population of Denmark
- To professional kitchen staff in day care, schools, education institutions and worksite canteens







## Necessary background knowledge and data DANSDA, FOOD DATA and NNR revvision



New products

e.g. meat replacers, cheese replacers, pulses, plant drinks, etc. Fast changes in the market

**NNR 2022 revision** - Nordic Nutrition recommendations update scientific basis and integrating sustainability nutrient recommendations and the Food Based Dietary Guidelines Analytical projects by product category Food data https://frida.fooddata,dk/ 1180 foods up to 113 nutrients DTU

## The scientific basis for The Official Dietary Guidelines







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## **Guidelines for professional kitchens**

• Example: Copenhagen Municipality with the goal of a 25% climate impact reduction and ensure nutritional and culinary quality year 2025

Developing specific guidelines for diets based on actual purchase pattern and translate to a menu planning tool

Implementing by Municipality of Copenhagen Effect assessment after 2 years: nutritional assessment and climate impact of procurement



## Meeting Challenges of the future diets

#### Acceptability

Targeted diets through mathematical optimization of healthy sustainable diets (PhD project – see PhD Speakers Corner – further optimization more sustainability impact than climate

- Acceptability and accessibility pulses and legumes knowledge, cooking skills … and health effect Intervention studies involving families and national commitment (application, external funding) Intervention studies involving frail elderly - follow up on nursing homes in Copenhagen Municipality (application, external funding)
- Highly processed foods health effect, nutrient content
- Analytical projects
- Assessment of fortification needs or options

A novel approach to a plant-based diet in the Danish population - background knowledge for fortification assessment

• The place of Organic products in the diets

Integrating organic, sustainable and plant-rich diet on "one plate", with regard to improved sustainability and health – a holistic view (application, external funding)

Holistic approach to sustainability of foods diets and the food system

NNR update, development in sustainability impact data, further optimization studies

To provide suggested sustainable healthy and nutritionally adequate diets



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