Food professionals as change makers in sustainable food system transition

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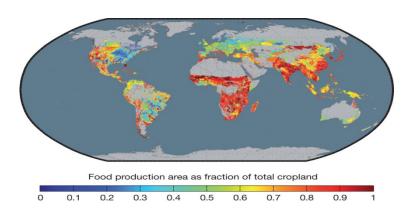




- 1. Role of diets in sustainable food system transition
- 2. Food system actors and professionals as change makers in dietary transition
- 3. Experimentation as means to learn about sustainability transition



Food security



Allocation of crop land area to different uses in 2000 Foley *et al.* 2011

How to feed the growing population when the available fertile land is largely in use?

Sustainable intensification

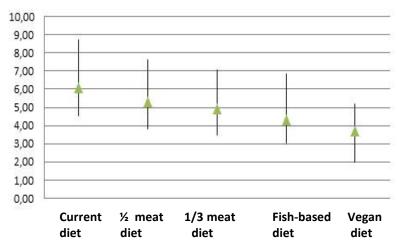
- Yeild increase
- Resource efficiency
- Reduction of food waste
- Diet

Godfray, H. et al. 2018. "Meat Consumption, Health, and the Environment." *Science* 361.

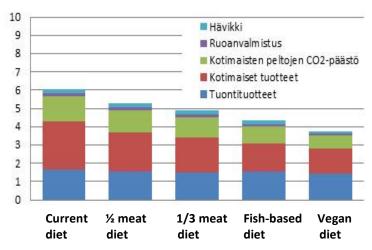
Poore, J. & T. Nemecek. 2018. "Reducing Food's Environmental Impacts through Producers and Consumers. *Science* 360, 987–92. Springmann, M. et al. 2018. "Options for Keeping the Food System within Environmental Limits." *Nature*, , 1. Foley, J.A. et al. 2011. "Solutions for a Cultivated Planet." *Nature* 478, 337–42.

Climate impacts of dietary change, Finland





Climate impacts of diets kg CO2-ekv/päivä



Saarinen, M. Kaljonen, M. Niemi J. et al. Ruokavaliomuutoksen vaikutukset ja muutosta tukevat politiikkayhdistelmät. Governments analysis, assessments and research activities. Forthcoming in 5/2019

Planetary healthy diet

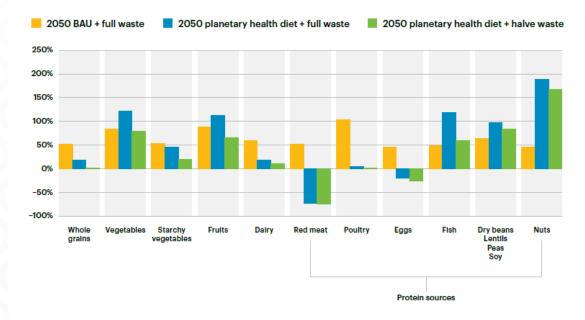




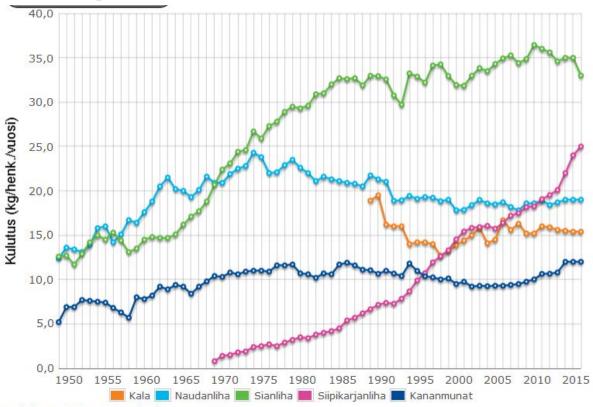


Table 6

Predicted change in food production from 2010 to 2050 (percent from 2010 scenario) for the business as usual (BAU) with full waste, the planetary health diet with full waste, and the planetary health diet with halve waste scenarios.

Willett, et al. 2019. Food in the Anthropocene: The EAT–Lancet Commission on Healthy Diets from Sustainable Food Systems. *The Lancet*, Jan 16

Consumption of meat in Finland 1950-2017



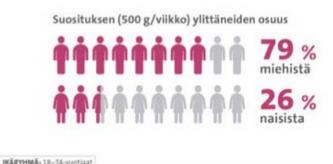


Lähde: Luonnonvarakeskus, Ravintotase.

Meat consumption higher than recommended by the nutrition guidelines









TERVEYDEN JA HYVINVOINNIN LAITOS

Lähde: THL, FinRavinto 2017 -tutkimus

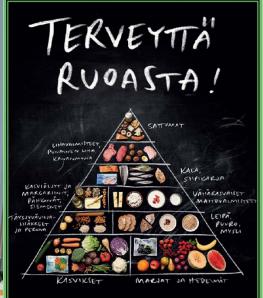


Food system actors and professionals as change makers









School dining in figures

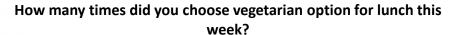
960 000 pupils 170 million portions / year 1700 lunch / pupil 400 million € / year 2,50-3,30 € / portion

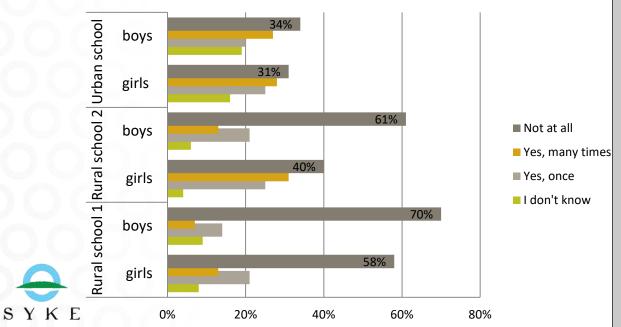
(Lintukangas & Palojoki 2016; THL 2015)



(2) Cultural, collective meanings







Meidin menul Ryhmän nimi: kaju, n koncet nomalii kohj ku kau s withres salarett Jonson Moles: Vege biasques n normali yuni makkara vikeista perunasia tohes JENEM MOCA! Solja nalet Ja Maras, KE Harli pithusia in spagetis combalabatha salanti To normali, lanea sa Mia Javani-larten whati pe nomial! herne heiro liboilly Sansminola: herne korto Ilman lihan

two repals: porklars

(3) Novel openings

What we learned about sustainability transition?

Sustainable diet as a collective good

Sustainable eating is tinkering
Need for speculation, creation of new ways of thinking and
doing



Attentive experimentation for sustainability transition





Sustainable school food experiments, SYKE

Carbon Action, BSAG

