Climate-smart food and nutrition - FOODNUTRI RI

PLATFORMS

1. Food processing
2. Food characterisation
3. Food safety
4. Physiological responses to food
5. Sensory and consumer research
6. Food consumption and nutrient intake
7. **Environmental sustainability and footprints**

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Why does sustainability matter in the context of food and nutrition?

a) In Finland, food system contributes by nearly 30% to the total climate impacts of the Finnish economy

b) Production and consumption of food contribute by over 80% to euthophying emission to water bodies in Finland

c) Globally, rouhgly 70% of water consumption is related to food production and processing

d) Food systems also have substantial impacts on biodiversity and its loss

e) Food and nutrition are highly relevant for health, well-being and the economy and they have cultural relevance, too

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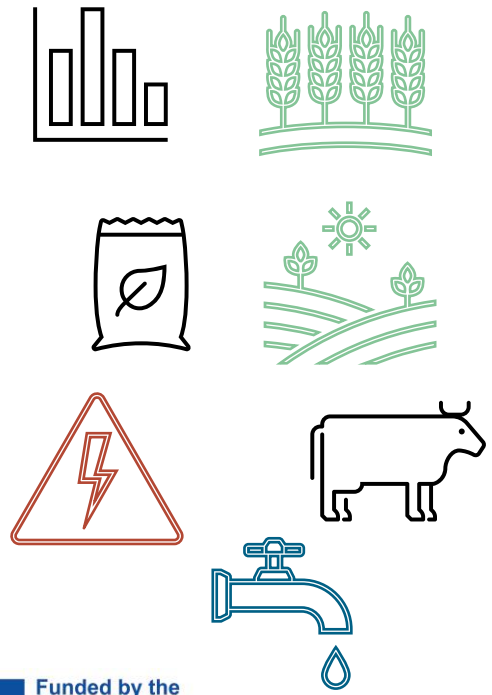
UNIVERSITY OF HELSINKI · VTT · Luke NATURAL RESOURCES INSTITUTE FINLAND · UNIVERSITY OF TURKU · XAMK South-Eastern Finland University of Applied Sciences · UNIVERSITY OF EASTERN FINLAND · FINNISH FOOD AUTHORITY Ruokavirasto • Livsmedelsverket · Suomen ympäristökeskus Finlands miljöcentral Finnish Environment Institute

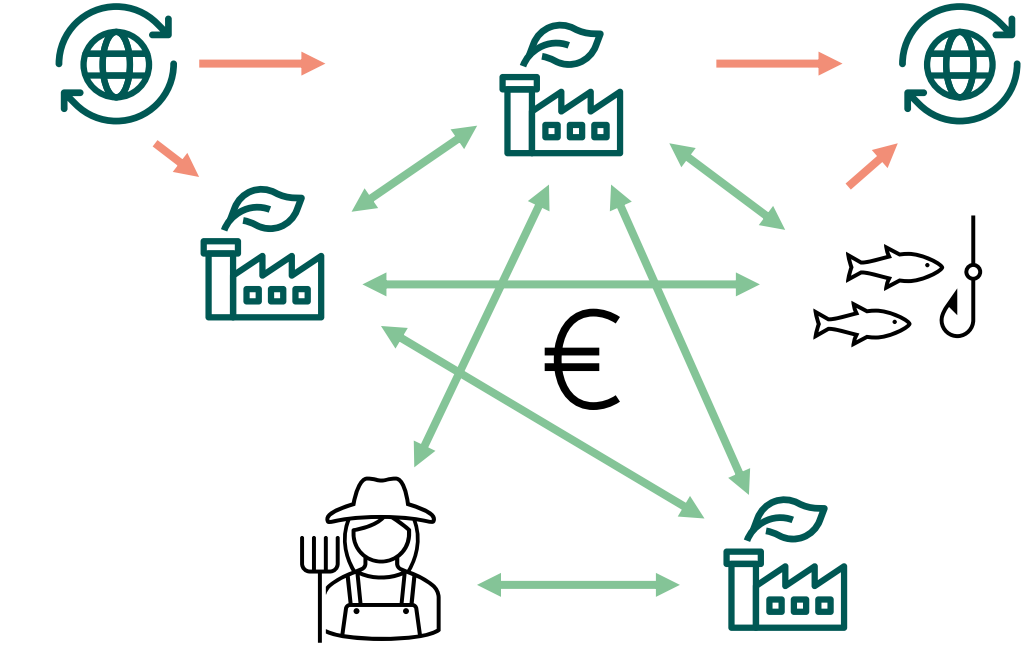
ENVIMATfood food system model

DATA



IMPORTS

EXPORTS



INTERACTIONS BETWEEN INDUSTRIES

OUTPUTS

CLIMATE

USE OF LAND
QUANTITY/QUALITY
OF WATER

BIODIVERSITY

DOMESTIC
GLOBAL

VALUE ADDED
EMPLOYMENT

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Further information:

FOODNUTRI: https://www.helsinki.fi/en/infrastructures/climate-smart-food-and-nutrition/about-foodnutri

ENVIMATfood and related services:
Stakeholder seminar(s) to be held in March 2025
Method description will be available at www.syke.fi in Feb 2025 when the ongoing full update of the Syke web pages

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