Building up unique Food Waste Monitoring System and Prevention Road Map in large collaboration in Finland



Desired sample size (phase 1)

Producers representing 30% of

Producers representing 10% of

Producers representing 30% of

Supplementary information

production volume//sector

representing over 90% of

sector sales

over 140 caterers

Q: 1,000 households

W: 5,000 households

D: 200 households

Q: 500 caterers

Producers representing 30% of

The three biggest retail chains,

D: 20 caterers/caterer type =

cultivation area/case product

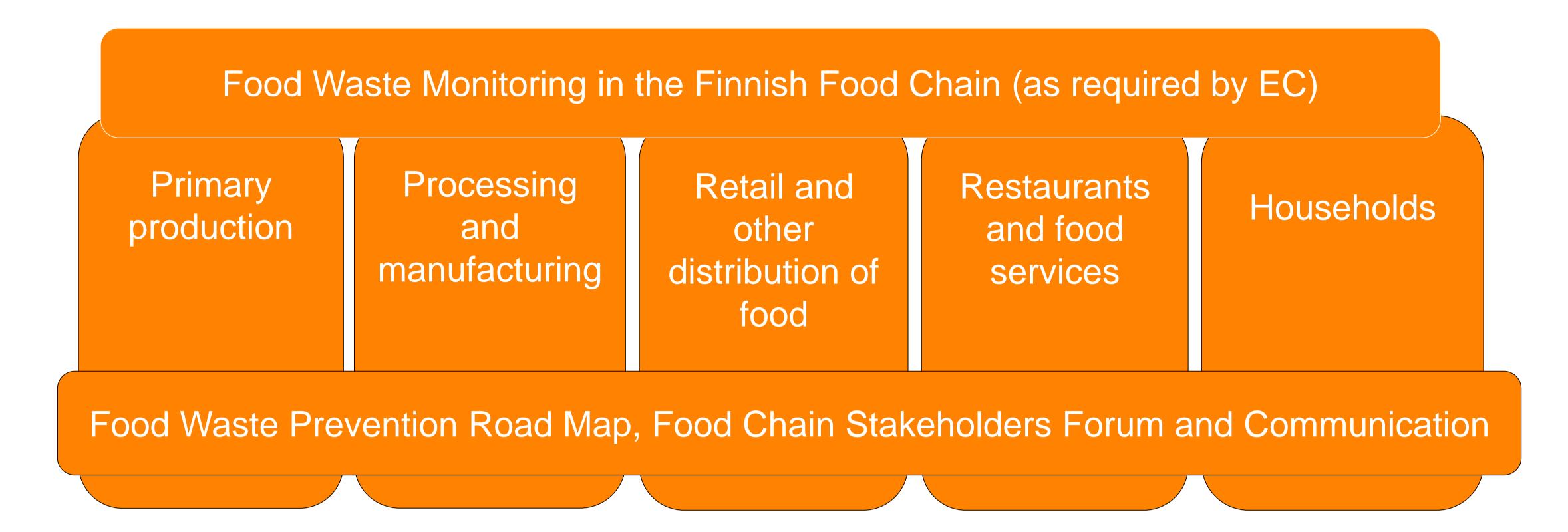
production volume

production volume

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Step of the

Primary

Food Chain

production

Dairy farms

husbandry,

fishing, fish

cultivation

All primary

production

Restaurants

Households

and Food

Services

Food

Retail

industry

Animal

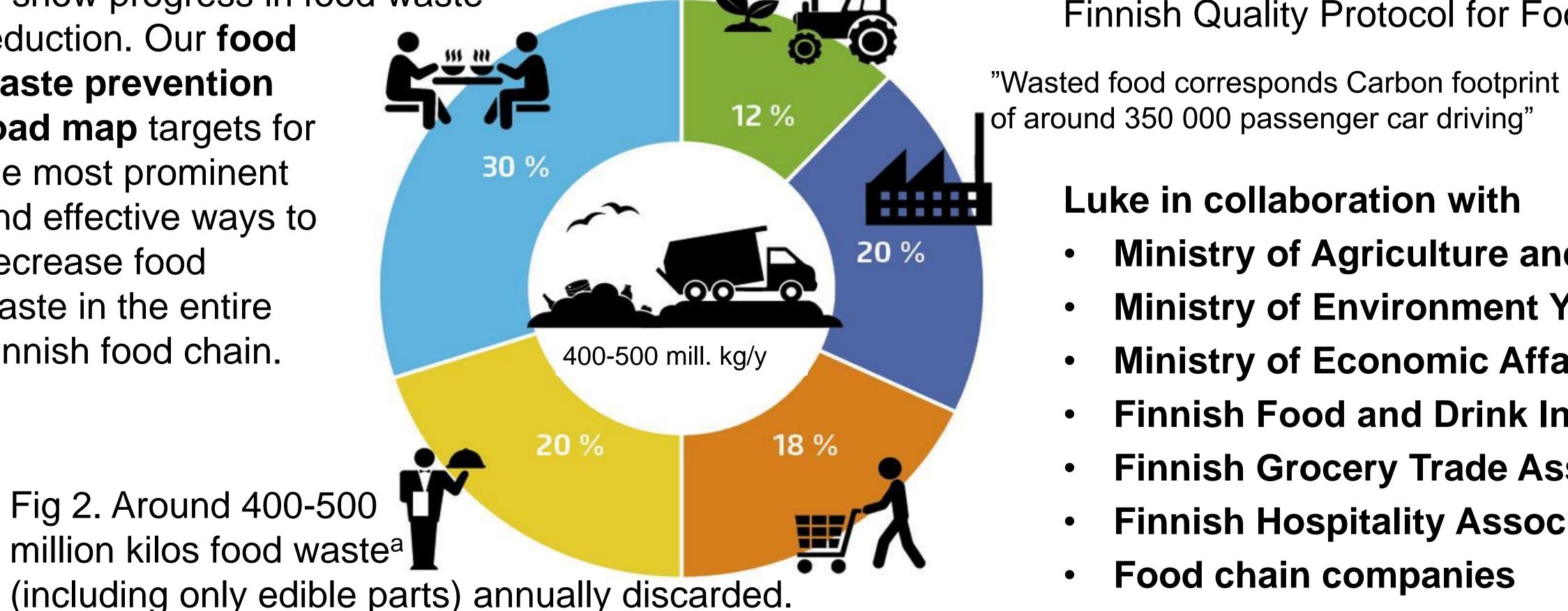
– cereal farm

Food Waste Monitoring in Finland and EU

Mandatory Food Waste Monitoring Framework by EU, reporting from 2020 to Commission (Delegated Act C(2019) 3211). So far waste food waste figures between countries are non-comparable. Now common methodology (with minimum quality requirements for the uniform measurement) by EC developed to produce comparable data sets between countries.

SDG/EU goal is to reduce per capita food waste by 50% at the retail and consumer level, and to remarkably reduce food waste and losses in entire food supply chain. Entire food supply chain with our own Quality protocol system is included in the food waste monitoring system, which is under development in Finland. Detailed Finnish specific definitions and system boundaries and data collection questionnaires and methods play important role, while at the same we are adjusting the work compatible with EC minimum requirements – but we go beyond those. Representativeness of data is one the most critical issue in the future. In addition to the EC approach and requirements, edible and avoidable food waste is highlighted in the Finnish work and prevention map. First Finnish baseline figures ready in summer 2020. After that we are able

to show progress in food waste reduction. Our food waste prevention road map targets for the most prominent and effective ways to decrease food waste in the entire Finnish food chain.



Luke in collaboration with

Ministry of Agriculture and Forestry MMM

Monitoring Method (pilot)

Questionnaires to producers

simultaneously with crop

Statistics: dead/rejected

animals, rejected marine

Interviews: supplementary

Interviews: supplementary

Data collected by retail

Food waste diary (D)

Online-questionnaire (Q)

Questionnaire (Q): Supplement

Waste composition analysis (W

Finnish Quality Protocol for Food Waste Monitoring.

Food waste diary (online) (D)

Questionnaires: other

animals/fish groups

Questionnaire

Groups

production survey

Questionnaires

fisheries

- Ministry of Environment YM

Fig 1. Different methods and desired sample sizes as part of

- Finnish Food and Drink Industries' Federation ETL
- Finnish Grocery Trade Association PTY
- Finnish Hospitality Association MARA
- Food chain companies

- Ministry of Economic Affairs and Employment TEM