

The Finnish Node of METROFOOD-RI

To enhance quality and reliability of measurement results

To make available and share data, information and metrological tools

To enhance scientific excellence in the field of food quality & safety

To strengthen scientific knowledge, promoting scientific cooperation and integration

PARTNERS

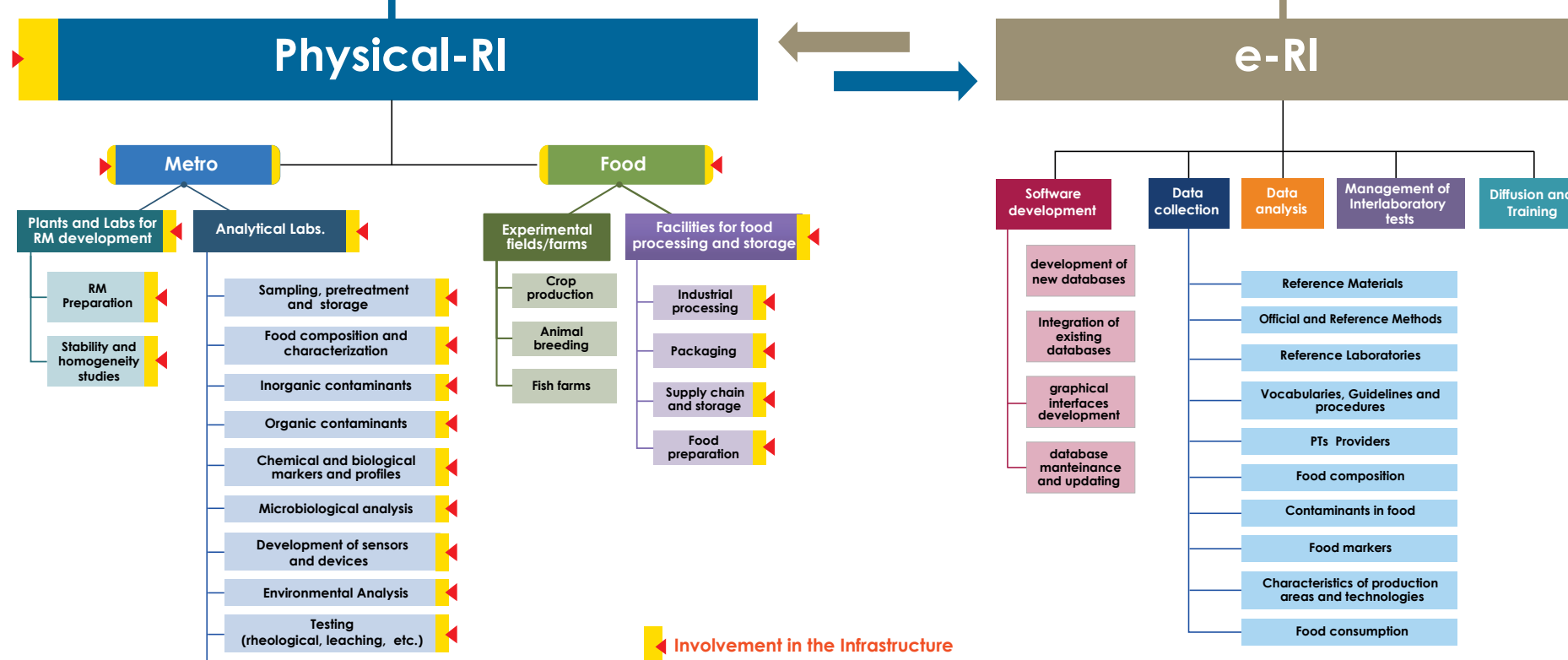
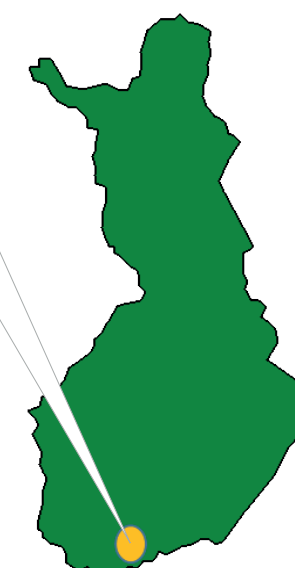


The Finnish Food Authority (FFA) operates under the Ministry of Agriculture and Forestry of Finland. The Authority promotes, monitors and studies the safety and quality of food; the health and wellbeing of animals; plant health; fertiliser products, animal feeds, plant protection products, seeds and planting materials. It is also responsible for the use of the funds provided by the EU agricultural guarantee and rural development funds in Finland.

The Food Authority Laboratory services include animal and plant disease diagnostics; laboratory studies related to food, feeds, fertilisers, plant protection products and plants; and the related reference laboratory activities and risk assessment procedures. The division also conducts scientific research and maintains the national research infrastructure in the fields that it operates in. The division has about 250 employees.

The Chemistry Unit involved in Metrofood is responsible for chemical and biochemical analyses of foodstuffs, animal feeds, fertiliser products and animal samples. These also include GMO analyses of foodstuffs and animal feeds. The Unit is responsible for chemical and biochemical national reference laboratory tasks for food e.g. heavy metals, residues of veterinary drugs and pesticides, PAHs, marine biotoxins and mycotoxins.

www.ruokavirasto.fi/en



Pre-existing value:

- 3.500 k€, out of which 175 k€ at METROFOOD-RI disposal

Involved researchers:

- 2 units (0,6 FTE)

Research Areas:

- Food Composition, Quality Indicators, Organic Residues, Inorganic Analysis

MINISTERIAL SUPPORT

Ministry of Agriculture and Forestry of Finland

Physical Facilities

Analytical Labs



LC-TQ-MS

The Chemistry Unit of the Finnish Food Authority conducts studies related to food production, safety, composition and authenticity as well as laboratory studies associated with the safety and quality of feeds and fertilizers. Laboratory operations include national and international reference laboratory activities. Reference laboratory operations are a fundamental element of overall laboratory activities. Finnish Food Authority is the national RL e.g. in heavy metals, PAHs, marine biotoxins, mycotoxins and pesticides.



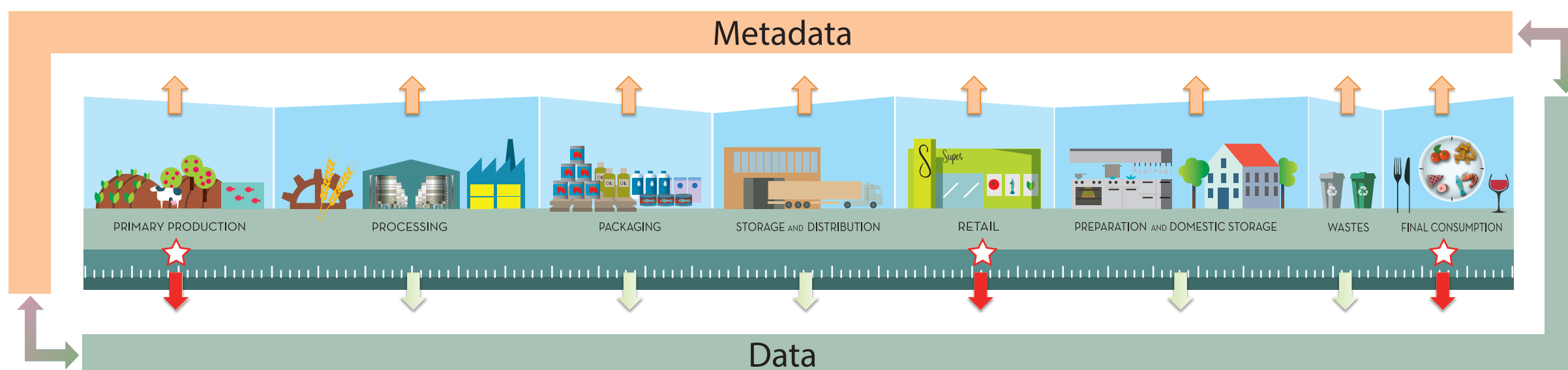
ICP-LC-MS



Mercury Analyzer

ANALYTICAL CAPACITIES																						
FOOD SAFETY											OTHER ANALYTICAL CAPACITIES											
Food contact materials (migration)											Other											
GMO											Other											
Pathogenic micro-organisms											Other											
Nanomaterials											Other											
Biogenic amines											Other											
Biotides											Other											
Homones											Other											
Hydrocarbons											Other											
Parasites											Other											
Pherois											Other											
Foodborne viruses and Prions											Other											
Radioactivity											Other											
Organoleptic properties											Other											
Nutritional quality											Other											
Physico-chemical analysis											Other											
Bioactive compounds											Other											
Biological analysis											Other											
Microbiological analysis											Other											
Addiction											Other											
Isotopes of light elements											Other											
Isotopes of heavy elements											Other											
Non target analysis											Other											
Trace elements											Other											
Sensory profiles											Other											
Rare Earth Elements											Other											
Elemental profiles											Other											
Metabolic profiles											Other											
Genetic markers											Other											
Other											Other											
Vitamins											Other											
Carbohydrides											Other											
Fatty acids											Other											
Proteins and amino-acids											Other											
Water											Other											
Metals											Other											
Other											Other											
Surface and groundwater quality characterization											Other											
Soils and sediments characterization											Other											
Bio-availability studies											Other											
Air pollution											Other											
Wet & Dry depositions											Other											
Bio-indicators											Other											
Medicines											Other											
Ceramic materials and composites											Other											
Plastic materials											Other											
Other											Other											

Food Chain Data



Food Quality & Safety Data