ESFRI
European Strategy Forum on Research Infrastructures

METROFOOD

INFRASTRUCTURE FOR PROMOTING METROLOGY IN FOOD AND NUTRITION

European Commission

ESFRI Roadmap 2018 • Domain "Health and Food"

High-level metrology services in food and nutrition for the enhancement of food quality and safety

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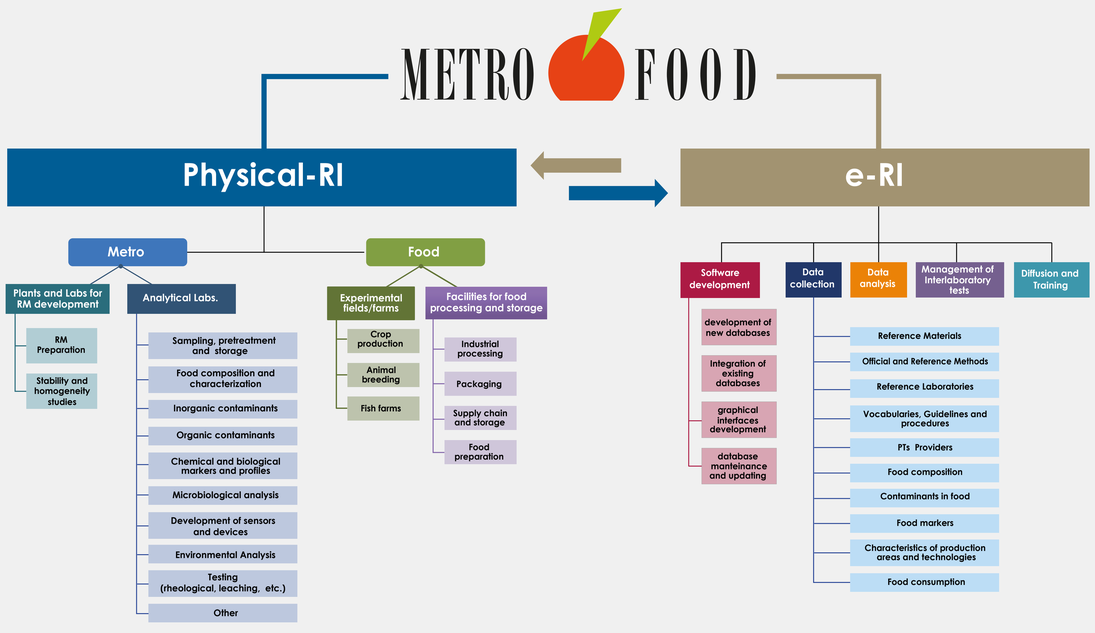
METROFOOD-RI is a new distributed Research Infrastructure *aimed to promote scientific excellence in the field of food quality and safety. It provides high-quality metrology services in food and nutrition, comprising an important cross-section of highly inter-disciplinary and inter-connected fields throughout the food value chain, including agrofood, sustainable development, food safety, quality, traceability and authenticity, environmental safety, and human health.*

End-users of METROFOOD-RI can be: *public and private labs & groups engaged in research activities supporting food data collection and measurement reliability, as well as basic frontier research in food and nutrition; Food Business Operators and producer associations; policy makers, food inspection and control agencies; consumers/consumer associations and citizens.*

METROFOOD-RI consists of a Physical RI (*P*-RI) and an electronic Infrastructure (*e*-RI) *to coordinate and integrate existing networks of plants, laboratories, experimental fields/farms for crop production/animal breeding; small-scale plants for food processing and storage; kitchen/labs for food preparation. The e-RI will make available an access platform to share and integrate knowledge and data on metrological tools for food analysis, focusing on food composition, nutritional contents, levels of contaminants and markers in foods.*



Roadmap Entry:	2018
Design Phase:	2015 - 2017
Preparation Phase:	2018 - 2021
Implementation/Construction Phase:	2021 - 2024
Operation:	2019 - 2043

TIMELINE

Research activities cover the whole food chain and related services, from agrifood primary production up to consumption, in order to support sustainability of food production and consumption, improve food quality and safety and optimise all the steps from farm to fork, with a holistic approach

METROFOOD - RI Infrastructure for Promoting Metrology in Food and Nutrition

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