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# EU FOOD SAFETY FORUM

Supporting the Food Safety Systems of the future

2-3.12.2024

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# METROFOOD-RI Infrastructure for Promoting Metrology in Food and Nutrition







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# HIGH-LEVEL METROLOGY SERVICES IN FOOD AND NUTRITION FOR THE ENHANCEMENT OF FOOD QUALITY AND SAFFTY

### **MISSION**

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







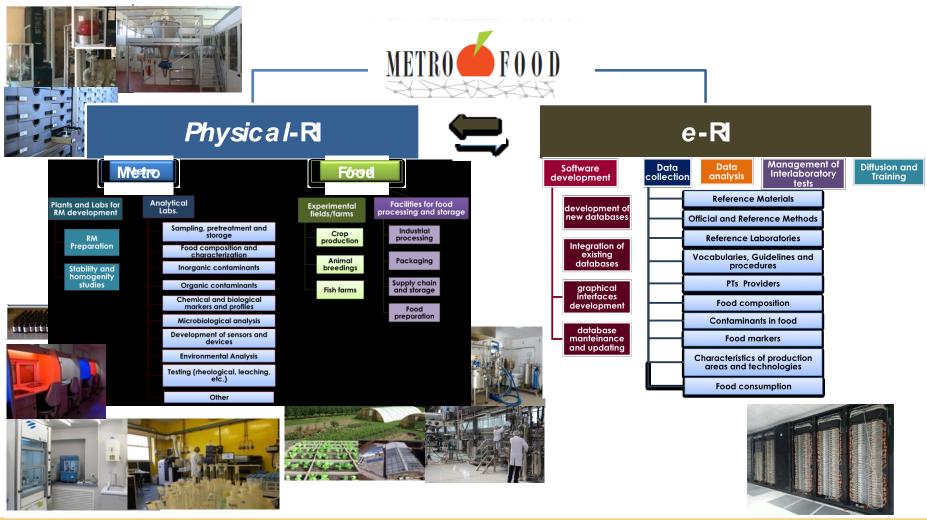






## Infrastructure

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### Contribution to the ERA

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- **Open Science:** The METROFOOD-RI e-platform fosters collaborative research and ensures the accessibility of high-quality data, supporting transparency and innovation.
- **Digital and Green Transitions:** METROFOOD-RI's focus on digital tools and sustainable practices contribute directly to eco-friendly food production aligned with the European Green Deal.
- Research Excellence: By providing interdisciplinary resources and innovative methodologies, METROFOOD-RI elevates scientific research in Europe, enabling critical challenges to be addressed with rigor and practical solutions.
- Innovation and Market Applications: METROFOOD-RI drives advancements in food metrology, traceability, and sustainability, empowering researchers and food businesses to develop innovative methodologies and products. Its Living Labs and collaborative environments foster co-creation, accelerating the adoption of innovations to real-world challenges. By bridging research and market applications, METROFOOD-RI enables SMEs and industries to adopt transformative practices that boost competitiveness and sustainability. As a hub of innovation, METROFOOD-RI strengthens the European Research Area's position as a global leader in agrifood innovation.





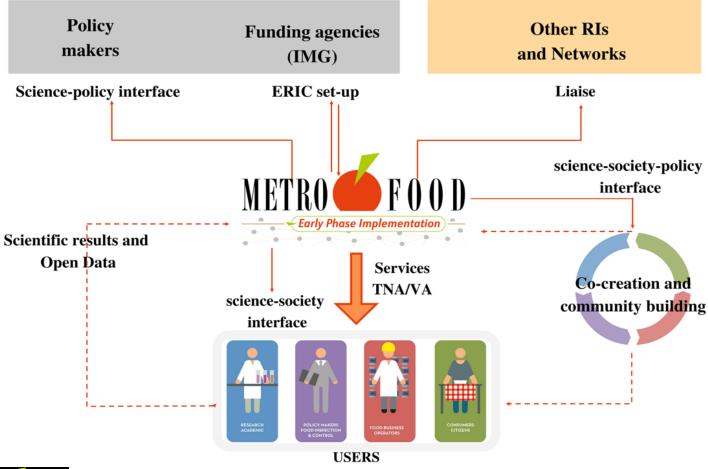






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## **Approach**







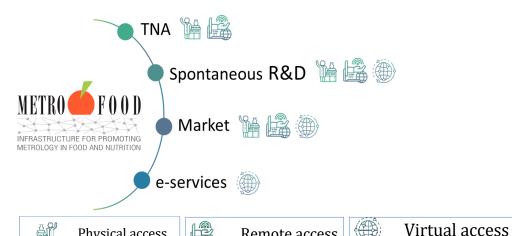




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Remote access



## **Services**

#### Research services

#### Agrifood

- → Food & crop production
- → Food preparation, processing, packaging, & storage
- → Food quality, authenticity & traceability
- → Food safety in production and food chain
- → Novelty in foods, new materials & technologies

#### **Metrology tools**

- → Reference Materials
- → Proficiency Testing

#### Health

- → Nutritional quality & dietary insights
- → Food safety and public health
- → Risk assessment
- → Health effects & toxicology

#### **Environment & Sustainability**

- → Agroecosystem management
- → Environmental monitoring
- → Circular bioeconomy
- → Waste management

#### **ICT & Data services**

- → Existing software & repositories
- → Software development
- → Data repository development
- → Website development
- → Data analysis
- → Hosting
- → Computing
- → Virtual research environments

#### **Advisory services**

- → Regulatory compliance
- → Expertise & Support

#### **Education & Training**

- → Laboratory & technical training
- → Webinars
- → Seminars
- → Conferences
- → Workshops
- → E-learnings & guidelines
- → Internships
- → Summer/Winter schools
- → Study visits



Physical access





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## Booster of knowledge and skills to support the agrifood













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Addressing critical challenges in transforming global food systems, contributing to a more resilient, safe, equitable, responsible, and sustainable food future





Food safety assurance and nutrition improvement



Promotion of sustainable agricultural practices and circular bioeconomy approaches



Provision of added value to agrifood productions



Support to the adoption of healthy and sustainable diets



Promotion of direct and motivated stakeholder engagement



Support for innovation, collaboration, competitiveness, and economic and social cohesion



Strengthening consumer trust in the production system









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## THANK TO ALL

www.metrofood.eu



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www.metrofood.it













