



UNIUNEA EUROPEANĂ



Instrumente Structurale
2014-2020

METRO FOOD • RO



Proiect cofinanțat din Fondul European de Dezvoltare Regională prin Programul Operațional Competitivitate 2014-2020



Development and consolidation of METROFOOD-RO as the METROFOOD-RI National Node

Code SMIS 2014+: 136213

Period: 2021-2023

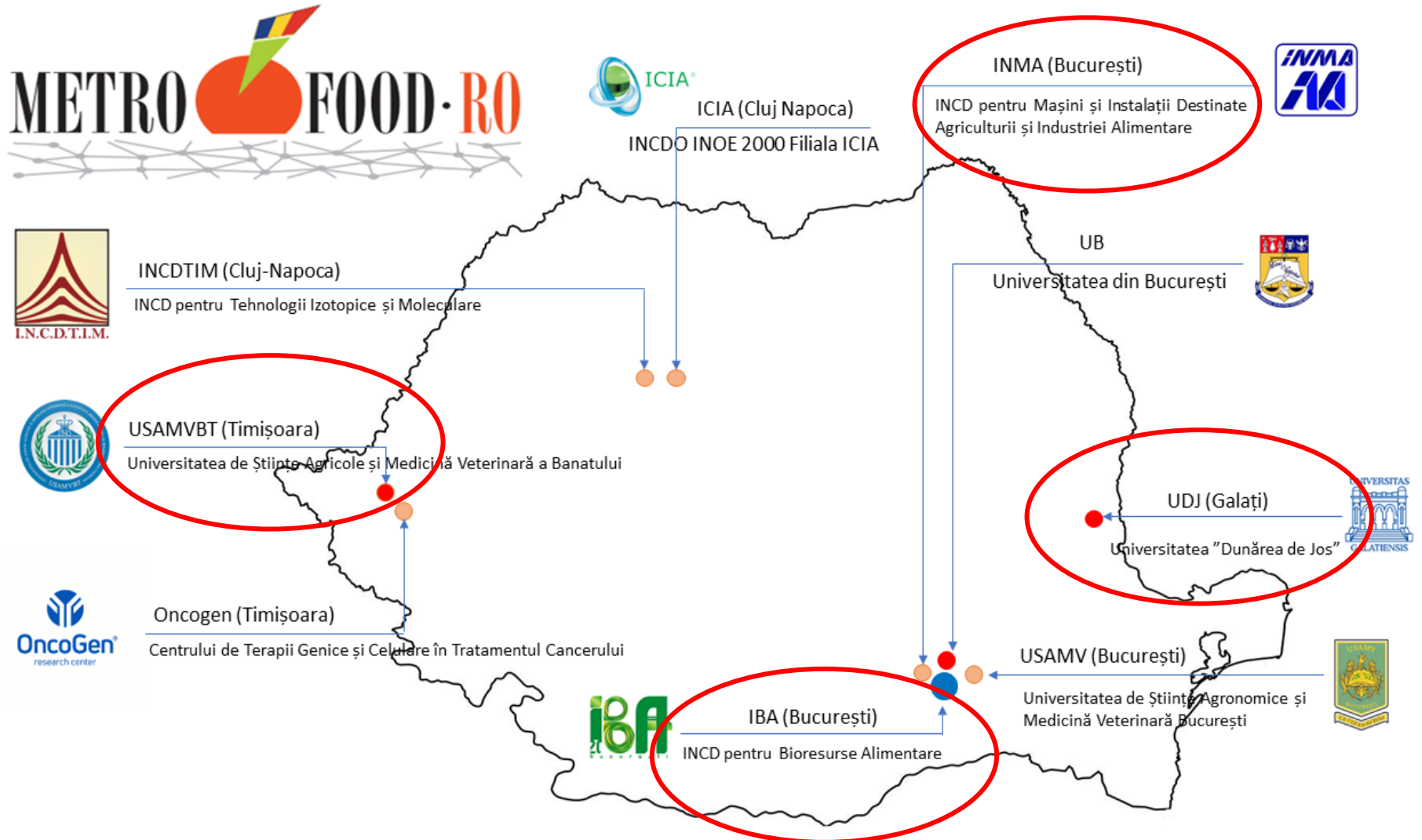
Total budget: 883,000 euros

The screenshot shows a web browser displaying the Metro Food website. The browser's address bar shows the URL 'metrofood.ro'. The website features the Metro Food logo, which consists of the words 'METRO' and 'FOOD' in a bold, sans-serif font, with a stylized red and green leaf graphic above the 'O' in 'FOOD'. Below the logo is a network diagram. The main content area contains the text: 'Pentru informații detaliate despre celelalte programe cofinanțate de Uniunea Europeană, vă invităm să vizitați site-ul: www.fonduri-ue.ro'. A navigation menu at the bottom includes links for Home, Obiective, Activitati, Rezultate, Servicii, Media, and Contact. Social media icons for Facebook, Instagram, LinkedIn, and YouTube are also present. A large banner image of a field of green crops is displayed, with the following text overlaid: 'Dezvoltarea și consolidarea Nodului național METROFOOD-RI, METROFOOD-RO', 'Perioada de derulare: 29 luni', 'Valoarea totală a contractului de finanțare: 4.413.757,29 lei', 'Valoarea totală eligibilă nerambursabilă: 4303841,91 lei', and 'Valoarea ne-eligibilă, inclusiv TVA: 109.915,38 lei'. The Windows taskbar at the bottom shows the search bar, system tray, and various application icons.

www.metrofood.ro



Complementarity
Synergies



Objectives

The main objective is the development and strengthening of METROFOOD-RO's R&D and scientific service capacity, as an integral part of the METROFOOD-RI pan-European infrastructure.

3 Specific objectives



SO1. Structuring and consolidating METROFOOD-RO and, establishing its governance mechanisms. Capacity building

1.1 Structuring the National Node, METROFOOD-RO;

1.2 Capacity building;

1.3 Strengthening the scientific capacity of METROFOOD-RO at the level of the METROFOOD-RI.

Main results

1. METROFOOD-RO governance, organizational flow, internal policies,

2. Channels, tools and methodologies in cooperation, inclusive with other National Nodes

3. Reference material training,

4. Reference material production pilot.



National Research and Development Institute for Food

Bioresources



MR001F - IBA

Wheat Flour



Achizitie materie prima



Omogenizare prin sitare



Umplere flacoane



Sigare flacoane



Cantarire



Produs finit



Imprimare termen valabilitate si lot



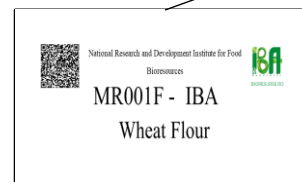
Etichetare



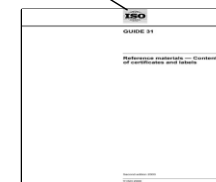
Umiditate



Cenusa



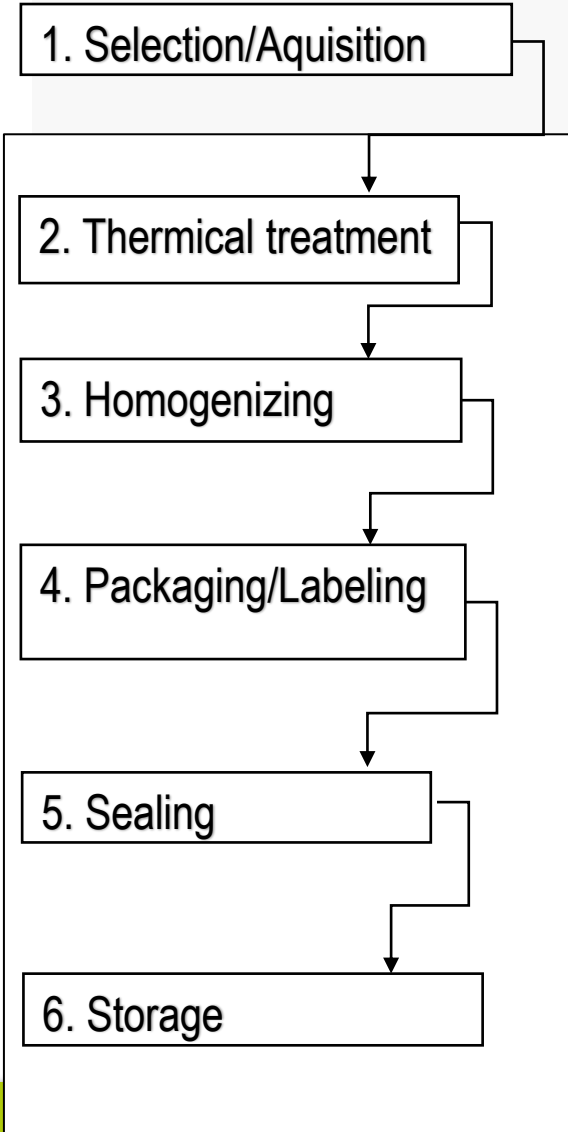
Inserare QRCode



Informatii conform Ghid 31

Process technological flow for acrylamide reference material

Level of acrylamide in white toast – thermal treated at 170°C, 10 minutes



Test	Container	Replicatw	Moisture, (medium ± SD), %	Acrylamide, µg/kg		
				Average	Average± SD	RSD (r), %
Control	M	P1		20,76		
		P2	7,12 ± 0,01	20,32	20,29 ± 0,48	2,38
		P3		19,80		
V6* 170°C, 10 minutes	6.1	P1	5,21 ± 0,04 ^a	19,89	20,04 ± 0,22 ^a	1,09
		P2		20,20		
	6.2	P1	4,92 ± 0,06 ^b	20,16	20,75 ± 0,84 ^a	4,04
		P2		21,34		
	6.3	P1	4,95 ± 0,07 ^b	20,54	20,46 ± 0,11 ^a	0,55
		P2		20,38		



OS2. Strategic Research and Innovation Agenda of METROFOOD-RO

- 2.1 Comparative analysis of the food and nutrition research domains within METROFOOD-RI and METROFOOD-RO organizations;**
- 2.2 Assessment of Romanian Food system Stakeholders needs;**
- 2.3 Scientific Research Agenda of METROFOOD-RO;**
- 2.3 Implementation Plan.**

Main results

- 5.SRIA;**
- 6.Report of the state of the art of METROFOOD-RI food and nutrition research domains**
- 7.Report of the state of the art of METROFOOD-RO food and nutrition research domain,**
- 8.Implementation Plan of SRIA.**

OS3. Increasing the visibility of METROFOOD-RO among food system Romanian stakeholders as research services provider.

3.1 METROFOOD-RO

3.2 Dissemination and communication

3.3 Management

Main results

9. Roadmap for METROFOOD-RO sustainability;

10. METROFOOD-RO research services offer;

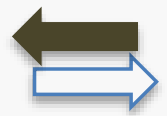
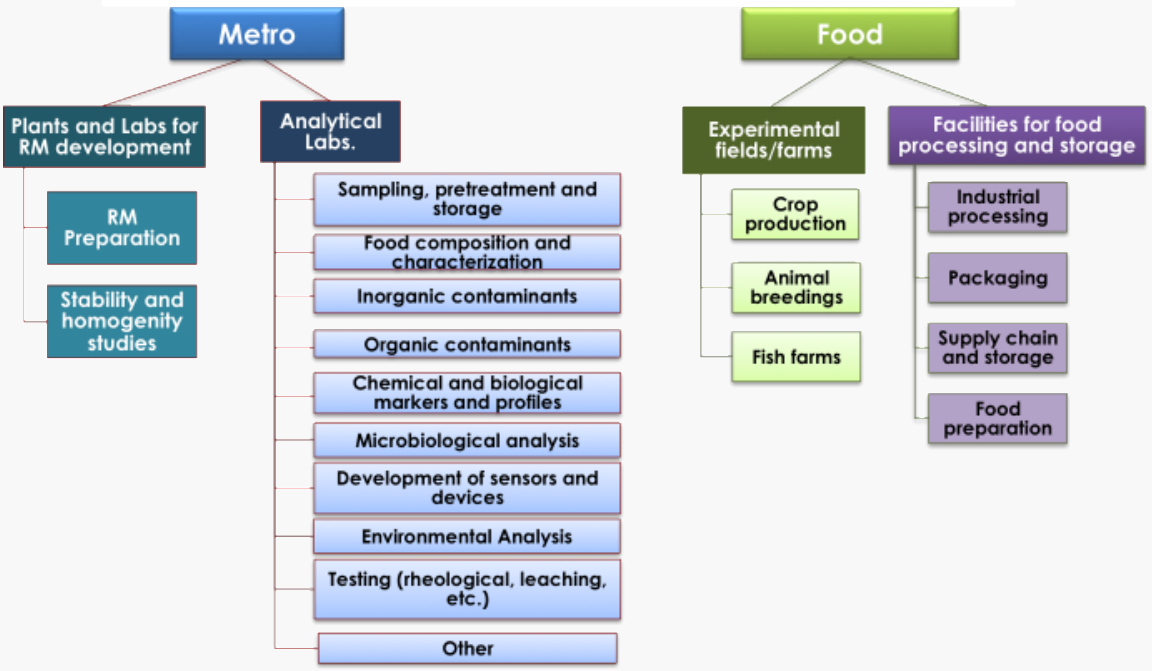
11. Report on expertise, competences and infrastructure of METROFOOD-RO organizations;

12. METROFOOD-RO services policy access.

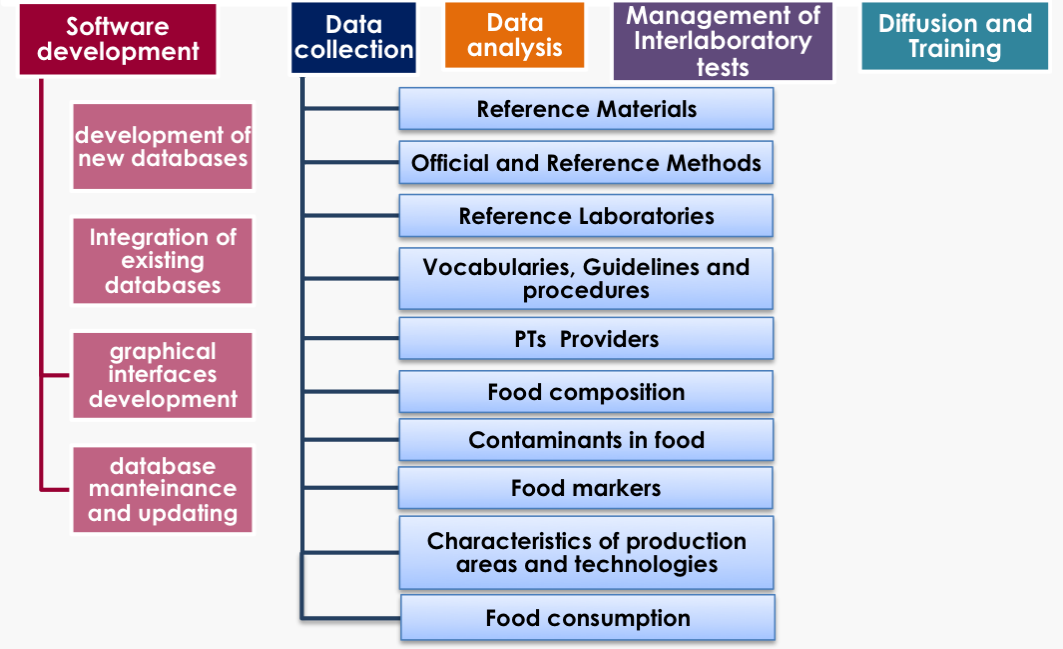
METROFOOD-RO in the context of METROFOOD-RI



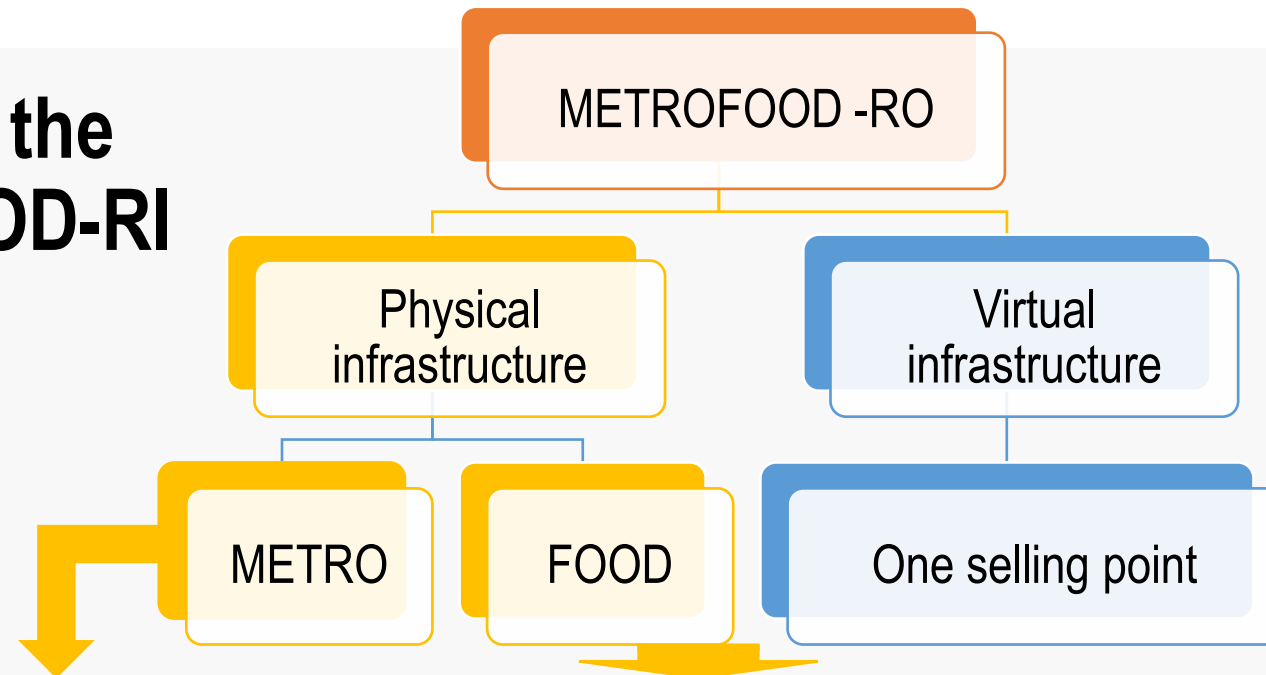
Physical-RI



e-RI



METROFOOD-RO in the context of METROFOOD-RI



- Development and characterization of new reference materials;
- Performing interlaboratory tests;
- Development and validation of new analytical methods and tools for the agri-food sector;
- Identification of chemical and biological markers (origin, quality, safety)

- Production of materials for the development of reference materials;
- Provision of new data on food products (composition, contaminants, (bio)markers, etc.);
- Experimental studies to evaluate the **nutritional value and the contents of contaminants in food** according to different parameters of influence (geographical origin, technologies, production / processing / storage / preparation);
- Experimental studies to assess dietary exposure;
- Evaluation of the benefits and risks related to the application of new technologies (nanotechnologies) in the production and packaging of food products.

- Standardization and harmonization of food product analyzes (reference materials, official methods, reference values or thresholds, reference laboratories, interlaboratory testing providers; quality assurance strategies);
- Dissemination of information and training on metrological terminology, instruments, principles and procedures;
- Collecting information on the needs of different member states (and associated countries) regarding metrology in the field of food and nutrition;
- Collecting data on food composition, nutritional contents and contaminant levels so on

METROFOOD-RO Impact

Short term

- METROFOOD-RO as a Romanian National Node, a component of METROFOOD-RI, being an operational infrastructure for the provision of open services to different user communities, integrating it into the landscape of future R&I strategies

Medium and long term

- Roadmap: by definition of long-term programs for METROFOOD-RO and ensuring its long-term sustainability.

METROFOOD-RO Impact

level of technical
implementation

- increased knowledge and capacity for technological development,
- improved scientific performance and human capital formation

level of organization and
planning

- organization of a sustainable research infrastructure and collaboration between National Nodes and Food System Stakeholders

scientific level

- scientific development, research capability and competitiveness

Benefits of implementation

Establishing a sustainable consortium to provide high quality research services for food chain actors. METROFOOD-RO will act under METROFOOD-RI umbrella, as an organized and sustainable structure capable of providing cutting-edge research services

Better consolidation of scientific knowledge, promoting cooperation and encouraging interaction between different stakeholders, as well as creating a common database of information and knowledge

Broad, multidisciplinary approach to projects/services at national and international programs.

Implementation of common cooperation strategies in order to integrate resources and expertise for the benefit of society

Promoting the acceleration of scientific discoveries and innovation

Promoting the authenticity and safety of food production by accurate laboratory tests - intervention on consumer confidence

INSTITUTUL NAȚIONAL DE CERCETARE DEZVOLTARE PENTRU BIORESURSE ALIMENTARE IBA București

