Type:
Single-sited

Area of relevance:
National

Type of project:
Emergent

Coordinator:
Associated countries:
INCDO INOE 2000, ICIA Cluj-Napoca

Coordinating institution based in RO:
INCDO INOE 2000, ICIA Cluj-Napoca

Coordinator's headquarter:
67 Donath Str., Cluj-Napoca, Romania, 400293

Coordinating institution's headquarter in RO:
67 Donath Str., Cluj-Napoca, Romania, 400293

Financial information:
Estimated construction costs:
3.27 mil. euro

Estimated management costs:
0.68 mil. euro

Construction duration (upgrade):2023-2029

Websites:
European Research Infrastructure for Food Security by Food Fraud Detection, EURALIM - INCDO INOE 2000 ICIA

E-mail contact for RO:
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EURALIM

EUROPEAN FOOD SECURITY RESEARCH INFRASTRUCTURE - DETERMINING AUTHENTICITY AND DETECTION OF FOOD FRAUD

Objective
Development of methods for determining the authenticity and detection of food fraud and solutions to ensure sustainable agricultural management.

Description
EURALIM is a new and emerging RI, for food safety - determining the authenticity and detection of food fraud, unique in the NW Region. Ensuring food security is an important component of solving societal challenges related to quality of life and ensuring sustainable development. EURALIM has the capacity to contribute to the achievement of the basic objectives of Regional and National Strategies. The developed research infrastructure will ensure the factors that decisively influence the food security, given by the quality of the products and a sustainable agricultural management, the labor force and the technological endowment: education, research and innovation. EURALIM will have an open access policy to databases and conditioning to equipment (Law 544/2001).

Scientific context and relevance
EURALIM will be the initiator of a large national research infrastructure that will become a pole of regional development for issues that Europe is facing more and more acutely in recent years: determining product authenticity (traceability), detecting food fraud, assessing the impact of global change on soil microbiodiversity, in order to propose viable solutions to ensure the sustainable management of agricultural resources. In this context, an open access research infrastructure for food safety by detecting food fraud (with safe, modern, advanced methods) and the study of soil microbiodiversity is particularly useful and necessary, as a lever between decision makers (legislation) and producers, based on clear and scientifically substantiated evidence. This will be the role of EURALIM: to scientifically substantiate and allow access to specialists for the development of methods for analyzing food quality and authenticity by detecting fraud and by studying soil microbiodiversity to provide formulated solutions for sustainable agricultural management and a sustainable agriculture. Through its components, RI EURALIM contributes to obtaining and disseminating new knowledge in the field of soil microbiodiversity and food quality; progress in the field of Analytical Instrumentation through the development of new concepts and tools for verifying the authenticity, traceability and quality of food and soil microbiodiversity analysis. EURALIM offers essential conditions to the scientific community, for fundamental and applied research in the field of food safety and soil microbiodiversity and will bring scientific evidence to Romanian and European decision makers for changes in the relevant legislation and will also create a stimulating environment for private sector initiative.

Stage of implementation in RO
Currently, actions have been initiated that are part of the preparatory phase: registration in the national network and obtaining the ESFRI status. The implementation of the EURALIM infrastructure at regional / national level will be initiated, (2023) which implies obtaining all the documentations, technical and construction approvals for starting the construction. The following will be elaborated: the execution documentation for construction and arrangement; Feasibility study for construction + Feasibility study + Market study on the EURALIM establishment project + Geotechnical study. All the construction permits and authorizations for the dedicated EURALIM space will be obtained.

Socio-economic impact
The social impact is major through the opening of new research directions with the final result of increasing the quality of food and the degree of health of the population. The economic impact will be the increase of the economic competitiveness of the agricultural and food sector, creation of technological transfer opportunities and creating international market opportunities for domestic producers.