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**METROFOOD-RI Infrastructure for Promoting Metrology in Food and Nutrition
will be built on a Hub and Node model constituted
by a Central Hub in Italy and a network of 18 Countries**

METROFOOD-PP (METROFOOD-RI Preparatory Phase Project - H2020 INFRADEV-02-2019, GA 871083) represents the project specifically dedicated to the realization of the Preparatory Phase of METROFOOD-RI.

METROFOOD-RI aims to promote scientific excellence in the field of food quality and safety

The overall aim of METROFOOD-PP is to bring METROFOOD-RI ESFRI project to the level of a legally, financially and technically mature pan-European research infrastructure, ready-to-implementation and ready to operation

The infrastructure includes:

- physical (P-RI)
- electronic infrastructure

P-RI Services

- ◆ Reference Materials supplying (traditional, innovative, custom)
- ◆ PT management
- ◆ Development of new methods and analytical devices
- ◆ Food analysis and agroecosystem characterization
- ◆ Optimization of food processing, storing and preparation
- ◆ Courses and Training services
- ◆ Use of facilities (laboratories, plants, farms)

e Services

Information services
Data base querying
Guidelines
On-line courses
Networking

JRU-METROFOOD-MK



Institute of Public Health



Faculty of Agricultural Sciences and Food

Representatives from 4 FOCUS GROUPS

Policy Makers: The Food and Veterinary Agency (FVA)

Consumers: Consumer Organization of Macedonia (COM)

Research: Bureau of Metrology (BoM)

Industry: Macedonian association of food processing (MAP)

Signed Expression of Political Support at the National Level:

Ministry of Education and Science

Ministry of Agriculture, Forestry and Water Economy

Ministry of Health

Physical Facilities

Institute of Public Health –

GC-MS, GC-ECD, GC-FID, HPLC-DAD, HPLC-RI, HPLC UV-VIS, Spectrophotometer, GFAAS, FAAS, Cold vapor (flow injection mercury system), fluorometer.

Faculty of Agricultural Sciences and Food

HPLC UV/Vis DAD, Rotavapor, Solid Phase Extraction Vacuum Manifold, VIS – Spectrophotometer, Vertical sets of electrophoresis (SDS-PAGE, A-PAGE)



The existing capacities will be particularly utilized in terms of characterization of reference materials and performing analysis of food quality and safety

During the METROFOOD-PP phase it is defined which facilities will be involved in METROFOOD-RI and what services will be provided



Services in the Labs of JRU-MK:

Determination of nutritive value (dry matter, fat, fatty acids, proteins, carbohydrates, sugars, fibers), micro and macro elements, vitamins (lipo and hydrosoluble), gluten, phenols, pesticides, mycotoxins, microbiology analysis.