



MOBILISE: “A novel and green mobile One Health laboratory for (re-)emerging infectious disease outbreaks - Innovative One Health solution for infectious disease detection”

Climate change, global warming, tourism, and population movement have resulted in the (re-)emergence of cases of arbovirus infections in Europe, such as Crimean-Congo hemorrhagic fever, West Nile Virus, Rift Valley and Dengue fever, all of which are vectorborne diseases.

Successful surveillance and early identification of cases and outbreaks require an **“OneHealth”** framework for testing samples of human, animal, and environmental origin, close to the vector’s habitat. To this end, the existence of mobile laboratories is considered necessary to ensure a rapid response, especially in remote areas. As there is a gap in laboratory capacity for diagnostics at European level, the program aims to cover the lack of BSL-4 biosafety level laboratories.

The European project “MOBILISE” aims to develop an innovative mobile laboratory unit, to receive and analyze human, animal and environmental samples. The pilot application of the project will be performed in three European countries (Austria, Greece, and Romania) and in Africa. The project also includes the development of innovative rapid diagnostic tests and software, to automatically interpret the results. The program is funded by the European Fund “European Executive Agency for Research (REA) – European Commission”.

National Public Health Organisation (EODY) participates in the European project "MOBILISE" by providing scientific and technical support to the project, as well as laboratory and epidemiological expertise.

EODY is also involved in the evaluation of the developed rapid diagnostic tests and in the field trials, using the mobile laboratory unit (Work Package T5.5). Coordination is carried out by the Central Public Health Laboratory and the Directorate for Epidemiological Surveillance and Intervention for Infectious Diseases.

More information is available on the website:

<https://cordis.europa.eu/project/id/101073982>