

Stage 1:

Organization of project tasks and preparation of practical implementation

Activity 1.1:

Organization of the project

Activity 1.2:

Establishment of microbiological protocols

Activity 1.3:

Acquisition and deployment of IoT sensors

Activity 1.4:

Preliminary acquisition of data and setting the conditions for the security of their transfer

Activity 1.5:

Setting requirements for datasets used in training Machine Learning algorithms

Activity 1.6:

Correlation of results between partners and the Phase I report dissemination of results

Stage 2:

Acquisition and processing of experimental data

Activity 2.1:

Organization of Phase II of the project

Activity 2.2:

Implementing IoT sensor networks and establishing in-situ data communication

Activity 2.3:

Acquisition of data and ensuring the security of their transfer

Activity 2.4:

Testing selected machine learning models for purchased data

Activity 2.5:

Evaluation and exploitation of results

Activity 2.6:

Correlation of results between partners and the Step 2 report. Dissemination of results

Stage 3:

IoT platform integration and testing. Optimisation of acquisition, processing and communication of experimental data

Activity 3.1:

Organization of Phase III of the project

Activity 3.2:

Testing the system in real conditions

Activity 3.3:

Testing selected Machine Learning models for purchased data

Activity 3.4:

Evaluation and exploitation of results

Activity 3.5: