



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

MARILIA: the novel pathogen detection test for the detection of pathogens in water

The MARILIA partners start the second semester of project development.

Rome, March 2021.

MARILIA is a project funded by the **European Commission** in the **Horizon 2020** framework, under the **EIC Transition to Innovation Activities** program. The MARILIA project is based on the results, technologies and concepts developed within the **FET-Open project MARA**.

THE GOALS

In MARILIA, we aim to develop a **breakthrough pathogen detection assay for monitoring water safety** that significantly increases the speed and assay performance, whilst reducing costs. Especially the **number of pathogenic species that can be detected with a single test will be increased**, making it possible to use only a single assay for water safety testing.



FAST MICROBIOLOGICAL TESTING

We aim to develop a breakthrough pathogen detection assay for monitoring water safety that significantly increases the speed and assay performance.



COST-EFFECTIVENESS AND SIMPLICITY

Time saving, money saving, lower cost per test; no time-consuming sample and reagent preparation, multi-step test procedures, and tiresome clean-up.



ACCURACY: DNA-TAGGING OF PROTEINS

Quick, clean and accurate.



A NEW VERSION OF ADENITA

Adenita is a software to facilitate the design of artificial enzymes and DNA nanostructures. Adenita will be extended with features covering data handling, interactive modelling, and structures visualization.

THE PARTNERS

This two-year project comprises teams from Austria, Croatia and Italy:

[AIT Austrian Institute of Technology GmbH](#) (Coordinator) - [Ruđer Bošković Institute - Faculty of Science at University of Zagreb](#) - [IREN](#) - [Day One](#)

For more information visit www.mariliaproject.eu

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