

MULTIRATE

HOLISTIC FRAMEWORK FOR THE MATURITY EVALUATION OF
READINESS LEVEL FOR SECURITY TECHNOLOGIES



MOTIVATION

NEED FOR ROBUST SCALING FRAMEWORK

Despite the variety of frameworks, methodologies and indicators that try to evaluate the maturity of systems and processes, and the excessive effort to integrate them, there is a limited usage from the EU funded security R&I projects. As a result, a robust scaling framework is more than of utmost importance.

AMBITION

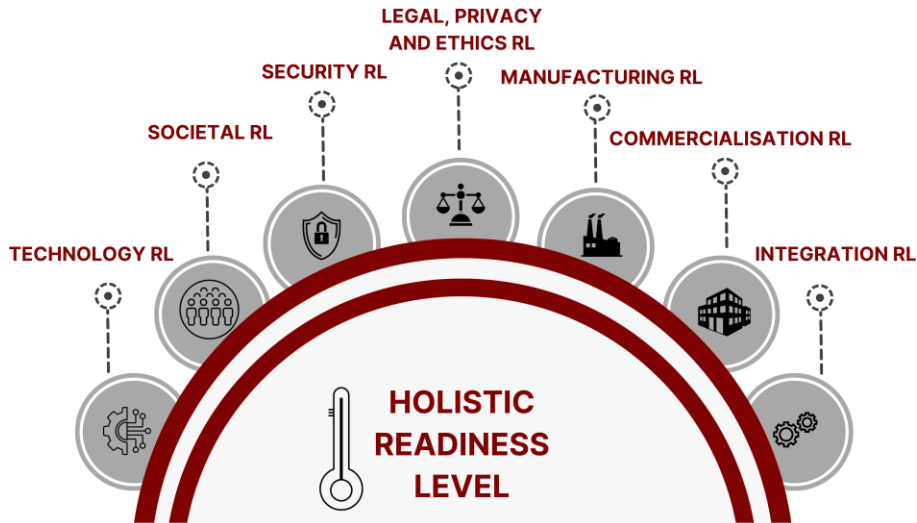
A SCALING FRAMEWORK TO EVALUATE THE READINESS LEVEL

MultiRATE aims to propose a scaling framework that will rely on existing established Readiness Level (RL) approaches and will formally combine them into one acceptable and reliable framework. MultiRATE will be able to evaluate and apply the readiness of all aspects of products/ systems/ processes.

IMPACT

SCIENTIFIC, ECONOMIC AND SOCIETAL

MultiRATE project aims to support the European R&D community with a Multi-disciplinary and holistic evaluation methodology and calculation which will measure the RL of the outputs of EU R&D projects. Moreover, it will enhance the planning of investments in R&D solutions and of future programmes. Finally, it will minimize the societal barriers between funding instruments, different consortiums and beneficiaries.



MULTIRAE RL CALCULATORS

MultiRATE will develop a well-established scale taking into consideration 7 areas of knowledge and setting the basis for the holistic MultiRATE framework that will evaluate the readiness of all aspects of a product.

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MultiRATE Kick off Meeting

MultiRATE officially began in December 2022. The KoM was held at CERTH/ITI premises in Thessaloniki. The project will be run in 9 EU Member States and 1 European country, by 12 partners. The upcoming months will offer the opportunity to stakeholders to stay informed on how the open access developed solution will be tested in multiple domains, such as in Cybersecurity, Border Management, Critical Infrastructure Protection, Disaster Resilient Societies and Fight against Crime and Terrorism.



MULTIRATE OBJECTIVES

The main objectives that MultiRATE has defined are:

- ✓ Objective 1 - Multidisciplinary RL research
- ✓ Objective 2 - Evaluation and calculation methodologies
- ✓ Objective 3 - Holistic RL evaluation and calculation methodology
- ✓ Objective 4 - Network establishment
- ✓ Objective 5 - Research programming and investment forecasting

<https://www.multirate.eu/project-outcomes/>

Seven RL calculators will be developed, which will comprise the MultiRATE holistic online calculator!

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PARTICIPATION IN RISE-SD 2023

Our MultiRATE project was presented in the RISE-SD 2023 Conference (<https://rise-sd2023.eu/>) describing the development of the EU R&D Readiness Level Evaluation Framework

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PROJECTS TO POLICY SEMINAR

14 JUNE 2023 - 15 JUNE 2023

In June 2023, we had the opportunity to showcase the MultiRATE project at the Project to Policy Seminar in Brussels. This two-day event, co-organized by the European Research Executive Agency (REA) and the DG Migration & Home Affairs, brought together new research projects, experts and Commission Policy Units representatives.

CERTH as the project coordinator and Satways Ltd. as the dissemination leader, presented the project's objectives and activities. It was an honor to engage in insightful discussions on how the utilization of EU Research projects effectively addresses security and safety challenges.

CERTH and Satways participated in a thought-provoking breakout session, focusing on the #societal aspects of security research. This allowed to dive deeper into the impact and implications of MultiRATE's work on society, shaping a more secure and resilient future.

MultiRATE 2nd Plenary Meeting

On the 29th and 30th of June, the 2nd plenary meeting of MultiRATE project was held at CENTRIC premises in UK. The meeting focused on the development of the 7 RL methodologies, indicators, and calculators, leading also to the holistic RL framework. Fruitful discussions took place, on the current state of play, interdependencies among RLs, potential use case, and the validation and exploitation future activities. Based on the above, the next steps (such as the RLs and Holistic RL deliverables and the validation workshops) were planned, assuring the high quality of the project and enhanced collaboration among the consortium and external experts/projects.



NEXT STEPS AND UPCOMING ACTIVITIES

In the next semester MultiRATE partners work heavily on:

- The initial version of cross-disciplinary RLs needs, methodologies and calculators.
- The requirements for AI.
- The report on MultiRATE validation planning.
- The initial MultiRATE Holistic RL assessment methodology.
- The first version of MultiRATE architecture, tools and integration.
- The white paper of MultiRATE.

Moreover, the consortium continuously updates the network of research projects and organisations that will form the pool of experts to:

- a) provide needs and expectations for the Holistic RL as well as each RL,
- b) provide their solutions for performing maturity assessments, supported by the objectives and goals behind each tool,
- c) form the group of experts regarding the certification mechanism.

www.multirate.eu

Stay tuned for more updates...



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