

Pula, 17/09/2025

Subject: Invitation to participate/collaborate in the RIALE–EU Project

Dear Professor, Dear Headmaster,

As head of the project, please allow me to introduce the RIALE-EU project (**Remote Intelligent Access to Lab Experiments in EUrope**) to you. The project was developed by the Educational Technology experts of the High Performance and Quantum Computing, Biosciences and Advanced Studies Sector of CRS4.

RIALE is an educational platform that brings together schools and high level technical-scientific labs that are not usually accessible to schools but whose activities can be linked to the school curriculum. Our targets are junior high and high school students. The project promotes the dialogue between the scientific community and schools, encourages students to use the scientific method, facilitates students' orientation activities for the choice of their study pathway.

During the school year, 2024/2025, we extended the project from Sardinia where it was born, to mainland Italy and to Europe. Therefore, RIALE became **RIALE-EU** giving to Italian and European **researchers** the opportunity to tell about their research field from their own perspective. We still aim to give the opportunity to participate in the project to more schools located not only in Sardinia but also in mainland Italy and Europe.

The project is accessible in two main ways: the synchronous (live) and asynchronous sessions.

Synchronous sessions: through the platform, teachers can book the date in which students can remotely access the hosting laboratory in a videoconference and watch live the lab researcher's actions while carrying out the experiments and interact with her/him.

Asynchronous sessions: through a multimedia **Timeline**, students can access video recordings of the whole experiment as well as additional interactive educational objects that will enhance their understanding of the experimental steps. Teachers are invited to use the Timelines as additional resources for their teaching, and to customise and enrich them with their own multimedia materials.

- To learn more about CRS4: <https://www.crs4.it/> and https://www.crs4.it/repository/documents/press/media-kit/the_future_is_close.pdf
- To learn more about the project: <https://www.crs4.it/riale/>
- To find out which hosting laboratories are currently involved in the project and to access the catalogue of experiments: <https://riale.ideab3.it>

Experiments in RIALE-EU catalogue cover a wide range of topics such as Genomics and DNA sequencing; Physics; Neuropsychopharmacology; Translational models and behaviour analysis; Neuromorphology; Food analysis and testing; Microbiology; Biotechnology; Renewable Energy; Marine biology; Mineralogy, etc.

Objectives of the project:

- To promote university orientation for young people attending secondary schools, through the implementation of a school-work training.
- To enable students to explore the world of scientific research.
- To promote dialogue between the scientific and educational communities.
- To promote the scientific excellence of one's own territory among schools and make the research progress known even in remote territories.
- To support educational continuity through remote access to laboratories in different parts of Italy and Europe,
- To stimulate students' personal growth by helping them develop the awareness of belonging to the European Community and of being European citizens that have a strong possibility to continuing their studies in an international scientific community.

If your school wishes to participate in the project, an indirect benefit will be to create a network in which it will be possible for your school to compare itself with other schools nationally and internationally. Should you be interested in learning more about the RIALE project I would be glad to organize a videoconference with a demo in which RIALE's methodological approach will be illustrated.

Carole Salis

Head of the project

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Enc. information sheet about the project

The RIALE-EU project is funded by the Development and Cohesion Plan of the Autonomous Region of Sardinia. It is carried out with the financial support and collaboration of the Sardinian Department of education ("Servizio Istruzione della Direzione Generale della Pubblica Istruzione dell'Assessorato della Pubblica Istruzione, Beni Culturali, Informazione, Spettacolo e Sport della Regione Autonoma della Sardegna") and the Sardinian Regional Agency for Research and Technology Development "Sardegna Ricerche".