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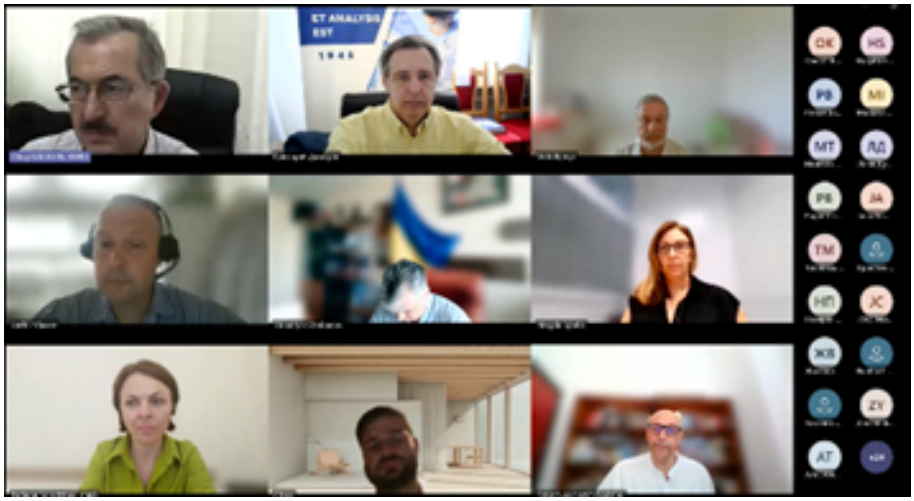
BOOSTSCIENCE
Boosting Education & Entrepreneurship in Natural Sciences in Ukraine

NEWSLETTER #1

October 2026

BOOSTSCIENCE skills map for Biology and Chemistry Education

BOOSTSCIENCE performed a thorough analysis of the current skills required to up-skill Biology and Chemistry students, through surveys targeted to Ukrainian and European ecosystems. The activity engaged over 300 stakeholders to produce a coherent **Strategic Skills Roadmap for the modernisation of Biology and Chemistry education**. Six convergent priority competence areas arose: **practical laboratory skills, digital and data skills, research methodology, soft skills, entrepreneurial competences, and sustainability competences**. The results are presented in deliverable "D2.1 – Research and Entrepreneurial skills roadmap of Biology & Chemistry Ukrainian HEIs and students".



"Reshaping Ukrainian and European Universities" workshop

In July 2026, BOOSTSCIENCE organised the **"Reshaping Ukrainian and European Universities" workshop**. The event was very successful, bringing together more than 60 participants from universities, research institutions, businesses, and innovation ecosystem actors from Greece, Spain, and Ukraine.

The workshop provided a dynamic forum for exploring how universities can strengthen the connections between science, education, entrepreneurship, and industry across Chemistry, Biology, and Biotechnology.

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ABOUT US

BOOSTSCIENCE (Boosting Education Quality & Entrepreneurial Mindsets for Natural Sciences in Ukraine) is a European cooperation project supporting Ukraine's higher education recovery by connecting science, digital innovation and entrepreneurship.

The project will **modernise natural science education** - with an emphasis in Chemistry and Biology - through virtual labs, long distance training, entrepreneurial learning and international cooperation.



BOOSTSCIENCE KICK-OFF MEETING

The project kicked-off on 15-16 January 2026, in Athens, Greece. The kick-off meeting was hosted by Hellenic Open University (HOU), the project's coordinator. In this ambitious three-year collaboration, HOU is supported by V. N. Karazin Kharkiv National University (Ukraine), Universitat Jaume I de Castellón (Spain), University of Ioannina (Greece), Leanspots (Spain), Vasyl' Stus Donetsk National University (Ukraine), Vasyl Stefanyk Carpathian National University (Ukraine), Ivan Franko National University of Lviv (Ukraine), Odesa I.I. Mechnikov National University (Ukraine), State Scientific Institution "Institute for Single Crystals" of the National Academy of Sciences of Ukraine (Ukraine), FK Biotek Ltd. (Ukraine), and Research and Production Enterprise Ukrorgsyntez (Ukraine).

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BOOSTSCIENCE course

BOOSTSCIENCE Deliverable "D2.2 – BOOSTSCIENCE New Module Syllabus" establishes the syllabus for a new 5-ECTS course for Master's level students in Biology & Chemistry in Ukrainian higher education institutions.
The syllabus is informed by stakeholder and labour-market evidence and aligned with the European competence frameworks DigComp, ResearchComp, EntreComp and GreenComp. The resulting course will be comprised of 15 thematic modules and a total learner workload of 150 hours. It will follow a competence-based, practice-oriented and research-oriented approach.



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