

ABOUT THE PROJECT

The DEEPBIOTECH Project is an interdisciplinary initiative designed to advance innovation at the intersection of biotechnology, data science, and deep technologies. By combining cutting-edge research with real-world applications, the project aims to accelerate the development of scalable, sustainable, and impactful biotech solutions. DEEPBIOTECH brings together researchers, industry experts, and technology developers to explore new methodologies, foster collaboration, and translate scientific breakthroughs into practical outcomes. Through a strong emphasis on knowledge exchange, experimentation, and capacity building, the project seeks to strengthen the European biotech ecosystem and support the next generation of deep-tech innovations with long-term societal and economic value.

➤➤➤ 1ST YEAR MILESTONES

During its first year, the DEEPBIOTECH Project successfully delivered key milestones that established a strong foundation for future activities. The WP2 Toolkit for students was developed to support structured learning and skills acquisition in deep biotechnology and related fields, while a robust microcredentials framework was put in place to enable flexible, recognized learning pathways. In parallel, the DEEP TECH Platform was established as a central digital environment for collaboration, knowledge sharing, and engagement across the ecosystem. To complement these developments, hackathons were conducted, bringing together students, researchers, and innovators to tackle real-world challenges and foster hands-on, interdisciplinary collaboration. Together, these achievements mark a productive and impactful first year for the project.

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DEEP TECH ENTREPRENEURSHIP IN LIFE SCIENCES COURSE

THE CORE TRAINING TOOLKIT

As the main deliverable of Work Package 2, a dedicated course programme on **Deep Tech Entrepreneurship in Life Sciences** has been designed to support the transformation of scientific knowledge into innovative, market-ready solutions. The programme combines entrepreneurial thinking with cutting-edge deep technologies, addressing both technological opportunities and societal challenges within the life sciences sector.

ACADEMIC CREDIT

The full Deep Tech Entrepreneurship in Life Sciences Course corresponds to 12 ECTS, offering a comprehensive and recognised learning pathway within higher education.

WHAT IS THE COURSE CONTENT?

The training consists of **six modular courses** covering entrepreneurship fundamentals, deep tech applications, cybersecurity and data ethics, sustainability and social impact, access to public and private investment, and regulatory frameworks. Delivered through flexible and interactive learning formats, the courses can be embedded in higher education curricula and adapted to diverse learning pathways.

The programme is aimed at higher education students, early-stage researchers, and aspiring entrepreneurs, as well as educators seeking innovative teaching content. By building entrepreneurial, digital, and strategic skills, the course supports the development of future innovators in life sciences and deep tech.



DEEP TECH PLATFORM

»»» DEVELOPMENT AND LAUNCH

Within the framework of the project, the [Deep Tech Platform](#) was successfully developed and launched as a dedicated digital environment supporting knowledge sharing, skills development, and innovation in the field of deep technologies. The platform serves as a central access point for project results, learning resources, and thematic content related to life sciences, biotechnology, sustainability, digitalisation, and entrepreneurship.

The platform was designed in line with Erasmus+ priorities on digital education, inclusion, and lifelong learning, ensuring accessibility for a wide range of stakeholders, including learners, educators, trainers, researchers, SMEs, and innovation actors.

With that in mind, the platform's objective is to contribute to increased visibility, transferability, and uptake of project results at local, national, and European levels.



Home - deepbiotech.hostingersite.com

Platform for deep tech immersion in life science business modelsUnlock the future of biotech innovation. This platform connects learners, startups, and stakeholders through cutting-edge tools and real-time insights, bridging science and business in...

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»»» USE OF THE SAKAI PLATFORM

To support the delivery of training activities developed under WP2 and WP3, the project utilised the SAKAI learning management system from YASAR University as a structured digital learning environment for learners and educators.

The platform supports both self-paced and guided learning pathways, through hosting 6 training modules for teachers and learners with various educational resources and assessment activities.

EXPERT ADVICE

The platform represents a key sustainability mechanism for Erasmus+ projects.

By embedding learning resources and project outputs within digital environments, projects enhance long-term support and facilitate continued impact beyond the formal implementation period.

Shaping the future of bioentrepreneurship with deep tech innovation



DEEP TECH HACKATHONS



Brainstorming, lively discussions, hands-on action, and awards... This is what defined the DEEPBIOTECH Hackathons held across partner universities in December 2025. From the University of Łódź and Poznań University of Life Sciences in Poland to Yaşar University in İzmir, the DEEP TECH Immersion Hackathons became vibrant spaces where students, young researchers, academics, and industry experts came together to tackle real-world challenges in biotechnology, health, food, agriculture, and sustainability.

Working in interdisciplinary teams, participants transformed ideas into concrete solutions using deep tech approaches, tested business thinking in practice, and learned by doing. The strong collaborative atmosphere, intensive mentoring, and final pitching sessions made the hackathons highly engaging and impactful experiences, reflected in the enthusiasm, creativity, and commitment shown across all locations.

Explore the [Testimonial Videos](#) below to experience the hackathon spirit.



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