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Digit-BioTech

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SMART
Project & Consulting



SOKO
Sozialforschung
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**HUMAN
RESOURCE
DEVELOPMENT
CENTRE**

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Fostering research, knowledge transfers and training innovations in the Biotech sector through applying modern digital technologies is a vital strategy for improving productivity, sustainability and competitiveness.

Grounded on the Education 4.0 concept for modernization of HE process by integrating IC technologies, the Digit-BioTech main objective is focused on development of innovative multilingual (BG, GR, DE and IT) educational program based on Biotechnology & ICT and EQF/NQF/HE principles. It is designed for academic/research professionals and BSc / MSc graduates and can contribute to the increase of skilled and educated HE staff and young graduates working in different European economic sector.

The Digit-Bio Tech consortium produces:

A comprehensive **Digital Educational Platform** hosting Intellectual Outputs, designed as LOs:

1. Digit-BioTech Open Content Platform, an innovative tool using blended learning approach for a self-paced free online education in the field of ICT for green biotechnology.

2. Learning Area & Reference Model (LARM) for development of a training programme using a new methodology which employs Learning Outcomes (LOs) and Blended Learning Pathways (BLPs).

3. The Guide “Teaching and Learning in Higher Education” targeted at the educational professionals and offering both the essentials of effective higher education teaching and guidelines of how to use the web platform.

4. A Students Smart Kit for BSc/MSc students which describes the strategies for effective learning.

In aim to provide:



- Training content in the form of units of learning outcomes, each with specific descriptors: knowledge – skills – responsibility – autonomy, and structured in personalized blended learning pathways designed for tangible Digit-BioTech target groups.
- Application of requirements of the European and National Qualification Frameworks and the principles of the higher educational systems for broader and smoother recognition of the acquired competencies.
- Grading of the learning outcomes with ECTS points and complying with the standards of the European Framework for Quality Assurance (EQAR) established by the European Association for Quality Assurance in Higher Education (ENQA).
- Focus on ICT, new technologies, and digital competencies.
- New innovative curricula, educational methods, and training courses.