

The European project 5G DIGITS presents its innovative curriculum to train the next generation of professionals in 5G technologies



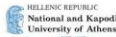
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International Webinar: “Problem-based Learning for cross-sectorial education in the 5G digital era”



✓ Hosted by the EU project 5G DIGITS
50+ participants | 8 countries
October 1, 2025
www.5gdigits.eu



The webinar “*Problem-based Learning for cross-sectorial education in the 5G digital era: The 5G-DIGITs Approach*” brought together more than 50 registrants and 27 live participants from eight European countries

University and industry experts showcased how to integrate Problem-Based Learning (PBL) and seven real-world 5G case studies into higher education

Brussels, October 1, 2025. The European project **5G DIGITS**, co-funded by the European Union, hosted today the international webinar “*Problem-based Learning for cross-sectorial education in the 5G digital era: The 5G-DIGITs Approach*”. The session presented the progress made in designing an innovative curriculum that combines digital skills, sustainability, and entrepreneurship applied to 5G technologies.

The event registered more than **50 participants**, with a peak of **27 live attendees**, including researchers, lecturers, students, and tech-sector representatives, highlighting the growing interest in practical approaches to teaching 5G in higher education.

With a budget of **€1.7 million** and a consortium of **12 partners from eight European countries**, 5G DIGITS aims to **bridge the skills gap in telecommunications** and prepare the future workforce for Europe’s digital and green transition.

During the session, **Dionysia Triantafyllopoulou** (Chemnitz University of Technology) underlined that the project goes beyond technology:

“Students should not only learn how to optimize network performance or energy consumption. They also need to be aware of the societal responsibilities of deploying advanced technologies such as 5G, in areas like sustainable mobility and urban safety,” she stressed.

Benjamin Molina Moreno, from Universitat Politècnica de València, presented the results of a **needs assessment** based on over 200 questionnaires and 20 interviews. The findings revealed a strong demand for **hands-on projects and access to real 5G testbeds**, both essential to designing an industry-aligned curriculum.

Meanwhile, **Giuseppe Caso**, from Karlstad University, described how **Problem-Based Learning (PBL)** has been integrated into the project through **seven case studies** addressing real-world challenges such as **sustainable urban mobility, immersive eHealth, smart agriculture, and green 5G deployments**. Designed in collaboration with industry partners, these case studies are open-ended, modular, and flexible, enabling diverse solutions and wide applicability across educational contexts.

With these results, 5G DIGITS takes a decisive step towards an innovative European curriculum that connects academia and industry, equipping students with technical, green, and entrepreneurial skills in a strategic sector for Europe’s future.

About 5G DIGITS

5G DIGITS is a project co-funded by the European Union to **bridge the skills gap in 5G technologies** through innovative educational programmes. With a €1.7 million budget and a three-year duration, the consortium includes **12 partners from eight European countries**. The initiative combines advanced digital, green, and entrepreneurial skills, applying methodologies such as Problem-Based Learning (PBL) to prepare students for the challenges of Europe’s digital and green transition.