



EMPOWER

EMPOWER - Design and evaluation of technological support tools to empower stakeholders in digital education

Started in October 2022, EMPOWER is a European interdisciplinary research project that will develop a unique technological learning platform to enhance personalised education of children with neurodevelopmental conditions.

Neurodevelopmental conditions affect approximately 15% of children aged 3 to 17 years. These children can have difficulties with language and speech, motor skills, behaviour, memory, learning, or other neurological functions. These challenges can have a significant impact on their learning process, access to education, and consequently social inclusion. Children with neurodevelopmental conditions can thus greatly benefit from education support tailored to their needs.



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What are the objectives of EMPOWER?

The main objective is to empower teachers to better support children in schools regarding their emotional and behavioural difficulties to ultimately improve their quality of life.

Our education platform will be co-created with relevant stakeholders. It will focus on supporting executive function and emotional self-regulation. Those are indeed two key sets of skills to target in the educational support for neurodiverse students, as evidenced by research.

It is expected that by using a game-based approach, children will improve their learning and emotional skills, better integrate into the educational system, and improve their quality of life. The platform efficacy will be tested and evaluated in school settings according to the strict standards of a randomized clinical trial.

EMPOWER results will provide insights into the possibilities for training teachers in the use of these new technologies. It will also inform future policies governing technology in education, including refined ethical frameworks.



The EMPOWER consortium

Leading the EMPOWER consortium, the University of Valencia (Spain) coordinates the transnational team made of a range of leading experts in their respective fields including from Radboud University (The Netherlands), Babeş-Bolyai University, the Technical University of Cluj-Napoca and the company ITDATA TELECOM (Romania), the Western Norway University of Applied Sciences, INESC-ID and ISCTE – University Institute of Lisbon (Portugal), as well as Autism-Europe (Belgium).

The work of the consortium is co-funded by the Horizon Europe programme of the European Union.

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Visit the project's dedicated website : <https://project-empower.eu/>



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