



STEM for inclusive schools

Project number:

KA220-NW-23-30-151162

Co-funded by the
Erasmus+ Programme
of the European Union



UNIVERSITAET PADERBORN (E10208598 - DE)

Organisation ID	Legal name	Country
E10208598	UNIVERSITAET PADERBORN	Germany

Region	City	Website
NORDRHEIN-WESTFALEN	PADERBORN	https://www.uni-paderborn.de/

Background and experience

The chair Wirtschaftspädagogik II (Business education) is partner in the project eSwot and is settled at the department 5: Business and Human Resource Education of the University of Paderborn. The Department for Business and Human Resource Education is one out of six Departments of the Faculty of Business Administration, Economics and Business Computing at the University of Paderborn. It educates students in the first phase (university phase) of teacher education for the field of adult education, vocational education and training (more precisely: field business and economics) in Germany.

We are involved in youth education and general education, in VET and in vocational teacher education (VET-teacher training). In our work we connect our teaching activities to research and project activities to sustain our actions and pursuits. Our department is responsible for youth education and business education at the Faculty of Business Administration and Economics. Our research fields are education, eLearning and digitisation, didactics and teacher training. Main research topics are (a) General education, youth education and VET, (b) digitisation, eLearning and mLearning, serious game design as well as innovative methods in eLearning (MOOC design, learning platform design, course design, virtual classrooms etc.) (d) curriculum design and design of learning materials (e) entrepreneurship (see e.g. our former ERASMUS+ projects GETUP – Green Entrepreneurship training – underpinning prosperity, SHADOWs or NGenvironment) and (f) European Citizenship as well as (g) evaluation research.

We already designed and evaluated many education programmes, blended Learning scenarios, eLearning and networking approaches as well as MOOCs (iversity, udemy, MOOCit etc.), created them and organized and provided seminars for youth education providers and for trainer, teachers and tutors. Therefore, we like to learn more from our partners about 'DIVERSITY', 'Modern e-learning approaches', 'Challenges and best practices with heterogeneous groups', digitisation and strategies in the field of 'education' and 'didactics'.



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We are very sure that the activities in our project on green entrepreneurship and the focus on MOOCs, digitisation, learning and strategy design with sustainability are an excellent approach and that these are topics with a European dimension. We see that the challenges of digitisation, growth, strategy design, network creation and the use of MOOCs and e-learning to design European approaches and learning environments in the sector are crucial and have to be tackled. This is a common challenge all over Europe and with specific focus on our sector. Diversity is a research topic of ours and the heterogeneity of learners is a crucial aspect in time of Corona and the challenges of Online Learning.

We will coordinate and manage the project and all development and evaluation activities. Moreover, we will participate, take part in the development processes of the project, take part in meetings/workshops and in the evaluation of the project, disseminate and spread the results of the green Entrepreneurship project, share conclusions with other similar programs, and take part in the publication strategy of the project. We are looking forward to the cooperation between the youth education providers, youth groups and related project partners. We can provide theoretical input about diversity, working with heterogeneous groups, education, didactics, economy, strategy design, curriculum design, eLearning and course creation, pedagogy, mLearning, course and MOOC design, educator training and teacher training as well as education in Germany and Europe. We also provide ways of work in the field of communication between theory and practice.

We already worked on many VET and SCH approaches, scientific approaches to new technologies and e-learning, social networking, authentic learning scenarios, diversity measures and innovative approaches. This can also enhance the process and the quality of the project.

With research activities we ensure an up to date summative and formative evaluation of the project (this is also one of our research fields) and we can guarantee state of the art research.

Due to our close contacts to youth organisations, youth groups, youth education providers, schools and education, teacher training and related institutions this role is quite adequate and fits well. In our university we have a separate accounting department in our administration which is responsible for the financial management of the project and which already worked on several international, European and national project management and financing tasks.

Our Erasmus+ projects in field of strategic partnership:

STEM in Action; STEM Courses and STEM videos as well a common STEM Curriculum MATH; Design of a Serious Game concerning mathematics, Family Business Library; Online Courses to foster Entrepreneurship in Libraries EDU-VET; E-Learning, Digitisation and Units for Learning at VET schools.

Prof. Dr. Beutner is an expert in VET and diversity education, on Teacher Education in Germany as well as on eLearning and digitisation. He is currently Chair Prof. in the field of Business and Human Resources Education and director of the teacher training Center PLAZ of the University Paderborn. His work crosses several domains including VET, economy, entrepreneurship, didactics, teacher training,



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curriculum theory and development, new teaching and learning methods including e-learning, MOOC design and situated learning.

A special focus is on didactics, special approaches for heterogeneous groups, instructional designs, internships, work placements, European Citizenship and experiences in the world of labour can be identified in his research and student teaching activities. All of his university modules include the focus on VET and diversity education, media didactics and digitisation and combine this with work placements and portfolio work. In his module media didactics he creates online learning tools every semester together with his students.

Denise Echterling graduated in the field of Business and Human Resources Education and she is an assistant at the University of Paderborn. Together with Prof. Marc Beutner she already worked in different eLearning and entrepreneurship projects (Shadows, Learning Map, YES, GoMobile, SMART, and GameOn) on youth engagement, mobile learning, entrepreneurship education, individual advancement and didactics. Currently, she is working on her doctoral thesis. Her special interest relates to youth work, virtual classroom, mLearning and eLearning in youth education and VET.

Jennifer Schneider graduated also in the field of Business and Human Resources Education and she is an assistant at the University of Paderborn. Together with Prof. Marc Beutner she already worked in different projects for young learners as well (EU-StORe, GET-UP, YES, SMART, MATH and DIGI-VET) on open educational resources (OER), VET, mobile learning, entrepreneurship, individual advancement and didactics. Currently, she is working on her doctoral thesis. Her special interest relates to internationalisation and the use of OER in youth education and VET.

Jana Stelzer graduated in the field of Business and Human Resources Education as well and she is also an assistant at the University of Paderborn. Together with Prof. Marc Beutner she already worked in different projects on youth education and on sustainable economy, VET, mobile learning, entrepreneurship, individual advancement and didactics. Currently, she is working on her doctoral thesis. Her special interest relates to internationalisation and course design and blended learning.