

# STEM for inclusive schools

School Education  
ERASMUS+

KA220-NW-23-30-151162  
Cooperation partnerships in  
school education  
**Reference Number:**  
2023-1-DE03-KA220-SCH-000151162

**Duration:**  
**03.09.2023 to 02.03.2026**  
**(30 months)**

-1-



# STEM for inclusive schools

## Online Meeting 1 29<sup>th</sup> of November 2023

Presentation of the leading partner:  
University of Paderborn



Chair of Business and Human Resource Education II  
Prof. Dr. Marc Beutner

The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Co-funded by  
the European Union



# Welcome, dear STEM for inclusive schools partners!



Bem-vindo

Sucessos Criativos, PT



Powitanie

SIEC Badawcza Lukasiewicz –  
Instytut Technologii Eksploatacji



Willkommen

Universität Paderborn, DE



Bine ați venit

Scoala Gimnaziala Nr. 7 Galati, RO  
Universitatea Dunarea de Jos  
din Galati, RO

Hoş geldiniz



Inovatif ve Girişimci Toplum Derneği, TR

-2-



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



# The department and the chair



**W****P****P**ADERBORN  
**Department Wirtschaftspädagogik**  
BUSINESS AND HUMAN RESOURCE EDUCATION

-3-

Chair of Business, Human Resource Education and Evaluation Research  
Prof. Dr. Marc Beutner



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



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Co-funded by  
the European Union

# The Chair in portrait



-4-

Tim Eickels, Ilona Petsch, Sebastian Koppus, Jennifer Schneider, Elmar Janssen, Prof. Dr. Marc Beutner, Niclas Grüttner, Helene Lindenthal, Annette Steffens



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



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Co-funded by the European Union



(University of Paderborn,  
Picture from Patrick Kleibold, 14.06.2013)



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Co-funded by  
the European Union

# The University of Paderborn



- 5 faculties
- **About 65** different degree programmes
- **19.076** students 2022
- **2.646** staff members 2022

Q-Building, University of Paderborn - Referat Presse und Kommunikation, 27.09.2013



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Co-funded by the European Union



# Research foci and fields of activity

- Youth education, Adult education, vocational education and vocational teacher education
- Education of students in the first phase (university phase) of teacher education in the field of adult education, vocational education and training
- Connection of teaching activities and research
- School education with focus on general and vocational schools
- European VET – Cultural differences and similarities
- Game-based-learning, Serious Games
- eLearning, mLearning
- Entrepreneurship Education and Career Orientation
- Evaluation in education and evaluation research
- Pedagogy, didactic and curricular approaches and designs

-7-



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



# Some of our currently running projects



## Currently running international projects:

**EU-CERT:** European Certificates and Accreditation for European Projects

**Interface:** Using agile, interactive learning environments to promote work-based learning in cVET

**Reliable Green:** Remote work, telework and learning with innovative and accessible educational resources for businesses and labor markets in European Green Economy

**STEM-in-Action:** Open Educational Resources for Teachers

## Learn STEM

**UglyFruitsNOT!:** "Ugly" fruits and veggies...NOT! - An innovative educational program towards sustainable consumption and food waste reduction

## Currently running national projects:

**5G-Lernorte OWL:** 5G-Lernorte für die Ausbildung der Zukunft

### FEL - Elektronischer Ausbildungsnachweis:

Forschungsprojekt zur Entwicklung eines E-Learning Tools mit integriertem elektronischen Ausbildungsnachweis (FEL) für die berufliche Pflegeausbildung

### Weiterbildung4OWL – InWeDig:

Intermediation von Weiterbildung und Digitale Transformation als Herausforderungen für Bildungs-Ökosysteme am Beispiel des Weiterbildungsraums it's OWL





# What should we address today?

- Short partner presentation
- Aims of the project – WP, LTTAs
- Status of the project and Gantt-Chart - Dissemination
- Agreement about a date for TPM1

-9-



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





# Aim of the STEM for inclusive schools project

We see **empowering STEM professionals in the use of digital technology** to provide new ways to learn and teach STEM subjects as an effective initiative to address the challenges of participating in STEM.

The aim of project is to empower **STEM professionals and the school community to develop inclusive ways** to increase interest and participation in the **STEM field**, and to increase their capacity by offering new ways to **use digital resources in STEM** to provide **quality** responses to different learning.

-10-



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





# Workpackages of STEM for inclusive schools

WP 1 – PROJECT MANAGEMENT

WP 2 – STEM ACTIVITIES DESIGN AND OER

WP 3 – TOOLKIT AND DIGITAL TOOL FOR MEASUREMENT AND EVALUATION

WP 4 – GUIDEBOOK FOCUSED ON INCREASING STEM PARTICIPATION

-11-



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





# 4 Transnational Partner Meetings - TPMs

TPM 1 – Kick-off - Romania

Between  
Nov 2023 and March  
2024

**Suggested date:  
16th to 18th of Jan 2024**

TPM 2 – Progress I - Poland

Between  
July 2024 and Oct 2024

**Suggested date:  
13th to 15th of Aug 2024**

TPM 3 – Progress II - Portugal

Between  
March 2025 and May  
2025

**Suggested date:  
22th to 24th of Apr 2025**

TPM 4 – Final - Germany

Between  
Dec 2025 and Feb 2026

**Suggested date:  
16th to 18th of Dec 2025**

-12-



**Longer discussions about gantt chart! Rearrangement of deadlines!**

**TPMs: 1 arrival day, 1 working day , 1 departure day**



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



Co-funded by  
the European Union



# 3 Learning Teaching Training Activities - LTTAs

LTTA 1 – Inclusive Learning Models and Use of Digital Technologies in STEM – Germany

Between  
Feb 2024 and June 2024

**Suggested date:  
8th to 12th of April 2024**

LTTA 2 – Methods and Techniques for Measuring and Evaluating Transversal Skills and Learning Outcomes – Romania Uni

Between  
Oct 2024 and Dec 2024

-13-

LTTA 3 – LTTA - Strategies and approaches to increase participation in STEM – Romania Soala

Between  
May 2025 and Jul 2025

**Longer discussions about gantt chart! Rearrangement of deadlines!**

**LTTAs: 5 days**



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





# Contact

**Universität Paderborn**  
**Department Wirtschaftspädagogik Lehrstuhl**  
**Wirtschaftspädagogik II Warburger Str. 100**  
**33098 Paderborn**

<http://www.upb.de/wipaed>

**Prof. Dr. Marc Beutner**

Tel: +49 (0) 52 51 / 60 - 23 67

Fax: +49 (0) 52 51 / 60 - 35 63

E-Mail: [marc.beutner@uni-paderborn.de](mailto:marc.beutner@uni-paderborn.de)

**Thank you for your attendance.**  
**Do you have any questions?**



The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

