



NECMETTİN ERBAKAN
UNIVERSITY



“INNOVATIVE MODEL OF LEARNING STEM IN SECONDARY SCHOOLS”

2022-1-TR01-KA220-SCH-000087583

KONYA KICK-OFF MEETING 25-26 April 2023

24 April 2023:Participants Arrival

25 April 2023:

9:30 - Official welcome (Necmettin Erbakan University)

Participants introduction

10:00 - Students Work -Steam Animation video (Ahi Evran And. High School) and Project logo
(Kırşehir Bilsem) https://www.youtube.com/watch?v=dbhcOuP_70c&feature=youtu.be

10:20 - Our web site -www.learnstem.eu and leaflet (Euro-net)

10:30 - The visual project outputs and beneficiary module (Necmettin Erbakan University-Ahi Evran AL)

10:40 - Project partners' institution introduction (5 minutes)

Necmettin Erbakan University

Ingenious Knowledge GmbH (Germany)

Universität Paderborn (Germany)

IEK Kavala (Greece)

EURO-NET (Italy)

Colegiul Tehnic "Haralamb Vasiliu" (Romania)

Ahi Evran Anadolu Lisesi (Türkiye)

Yusuf Demir Bilim Ve Sanat Merkezi (Türkiye)

11:20-11:40 Break time

11:40 12: 40 Project aims, timetable and budget (Ahi Evran And. High School)

13:00-14.00 LUNCH

14:00-16:00 Project outputs (Paderborn University and IK -Germany)

1. LEARN STEM Pedagogical Model
2. Definition of LEARN STEM Teacher Training Programme
3. Design and test of the LEARN STEM online learning

16:00 -16.30 Break time

16:30 18:00 NEXT ACTIVITIES (Learn STEM Conference in Kırşehir (Kırşehir Bilsem and Ahi Evran AL)



NECMETTİN ERBAKAN
UNIVERSITY

26. April 2023

9:30-11:00

Examples of STEM education from different countries: Innovative approaches (4 examples)

Necmettin Erbakan University

Ingenious Knowledge GmbH (Germany)

Universität Paderborn (Germany)

IEK Kavala (Greece)

EURO-NET (Italy)

Colegiul Tehnic "Haralamb Vasiliu" (Romania)

Ahi Evran Anadolu Lisesi (Türkiye)

Yusuf Demir Bilim Ve Sanat Merkezi (Türkiye)

11:00-11: 30 Break time

12:00-12:30 CERTIFICATES

13:00-18:00 Cultural tour



**Co-funded by
the European Union**



NECMETTİN ERBAKAN
UNIVERSITY

"INNOVATIVE MODEL OF LEARNING STEM IN SECONDARY SCHOOLS"

2022-1-TR01-KA220-SCH-000087583

KICK-OFF MEETING MINUTES

Host: Necmettin Erbakan University (Coordinator)

Date: 25-26 April 2023

Venue: Novotel, Konya/ Türkiye

Participants Partners present & Participants:

Institution	Its representatives
Necmettin Erbakan University	Mustafa Kocaoğlu Hayriye Ulaş Taraf Ahmet Naci Çoklar Şemseddin Gündüz Yakup Yılmaz
Universität Paderborn (Germany)	Marc Beutner Helene Lindenthal
Ingenious Knowledge GmbH (Germany)	Rasmus Pechuel
EURO-NET (Italy)	Mohd Ovais R Khan
Colegiul Tehnic "Haralamb Vasiliu" (Romania)	Gabriel Signeanu Ana Saiz
Ahi Evran Anadolu Lisesi (Türkiye)	Ali Erdem Bülent Karakoç Fatih Yavuz Leyla İlhan
Yusuf Demir Bilim Ve Sanat Merkezi (Türkiye)	Musa Sargın Seyit Karaburçak Hayriye Torunoğlu Ramazan İlhan Siyami Tufan Mehmet Aydın
*IEK Kavalas (GR) could not attend the meeting due to their institutional responsibilities.	

Minutes of the meeting:

1. Following the welcome speech and introduction, the "Students Work -Steam Animation video" (developed by the students of Ahi Evran Anadolu Lisesi) was shown. https://www.youtube.com/watch?v=dbhcOuP_70c&feature=youtu.be. This video will also be integrated into the project website by **EURO-NET**.
2. The project website, **www.learnstem.eu**, was handled, and the participants' opinions of the website and suggestions were taken as follows. **EURO-NET** will make adjustments to the website in light of those suggestions.



NECMETTİN ERBAKAN
UNIVERSITY

- ✓ A section called "Project News" will be added
 - ✓ Occurrences of the word Turkey to be replaced with "Türkiye"
 - ✓ Institutional web links to be inserted into the institution names,
 - ✓ Project videos to be uploaded,
 - ✓ OER logo code & EU disclaimer should be added as per the guidelines of Erasmus+
3. The project's Instagram account was also handled. **Ahi Evran Anadolu Lisesi** (AEAL) will feed and update the page. The participants' opinions of the website and suggestions were taken as follows. **AEAL** will make adjustments to the page in light of those suggestions.
- ✓ A short username to be used
 - ✓ All partners will promote it in their local contexts
 - ✓ At least 1000 followers to be targeted at
 - ✓ All project-relevant photos and videos to be uploaded
4. NEU created the drive link below. All the partners will be responsible for uploading and storing their project-related documents in the drive and will regularly check what's new.
https://drive.google.com/drive/folders/1-FyEV4RS2oOg_wj05RMrV5lrdV6WxZmp?usp=share_link
5. Due to the change in the project starting date (from September 2022 to January 2023) by the Turkish National Agency's project agreement, Prof Dr Marc Beutner from UPB shared the updated scheduling for the first output-LearnSTEM Pedagogical Model activities (O1). The partners involved in O1 should stick to the deadlines assigned for the activities.

Main activities:	Activity title:	Leading Organization:	Period:
O1 - 1	Overview of existing practices in teaching STEM through innovative pedagogical approaches	UNIVERSITAET PADERBORN	31.12.2022-30.06.2023
O1 - 2	Mapping of key stakeholders to be involved in innovative STEM teaching activities	Ingenious Knowledge GmbH	31.12.2022-30.11.2023
O1 - 3	Define the LEARN STEM Pedagogical Model	UNIVERSITAET PADERBORN	01.08.2023-31.12.2023
O1 - 4	Develop the inquiry learning package	EURO-NET	01.03.2023-31.01.2024
O1 - 5	Evaluate the LEARN STEM Pedagogical Model and inquiry learning package	AHI EVRAN ANADOLU LİSESİ	01.07.2023-31.03.2024



NECMETTİN ERBAKAN
UNIVERSITY

6. A total of 12 learning units will be developed within LearnSTEM Pedagogical Model under four themes- Recycling, Pollution, Nature and Climate. These topics have been shared among **the four partner schools** as follows:

Topic 1 Recycling	Colegiul Tehnic "Haralamb Vasiliu" (Romania)
Topic 2 Pollution	IEK Kavallas (Greece)
Topic 3 Nature	Yusuf Demir Bilim ve Sanat Merkezi (Türkiye)
Topic 4 Climate	Ahi Evran Anadolu Lisesi (Türkiye)

These four schools will gather existing learning resources for the learning units they are responsible for. They will also create a first draft presentation on the learning units. UPB will provide a template until May 15 2023.

7. Tasks in the following to be completed until the meeting in Paderborn were determined.

Main activities:	Activity title:	Partners' Responsibilities	Period:
O1 - 1	Overview of existing practices in teaching STEM through innovative pedagogical approaches	Each of the eight partners will describe four existing practices of fostering STEM in their country.	UPB will provide a template until May 15 2023
O1 - 2	Mapping of key stakeholders to be involved in innovative STEM teaching activities	Each partner provides an overview of 10 Key stakeholders in their own country.	IK will provide a template until May 15 2023

8. The development of dissemination materials was also discussed. The first project leaflet was already prepared by EURO-NET and published and distributed to each partner to take them home. Moreover, each partner will create **at least a flyer** and **a newspaper article** in their local contexts until the meeting in Paderborn.
9. The 2nd TPM to be held in Paderborn in September was discussed. It will be held to analyze the state of the art of activities of WP2 and the development of WP3. To decide on the week in September for the meeting to be held, a **DOODLE** will be created by **UPB** and shared with the partners. Depending on the poll, the exact dates will be determined.



NECMETTİN ERBAKAN
UNIVERSITY

10. Almost two-three months following the meeting in Paderborn, another meeting was suggested to organize a half-day European Seminar for disseminating the project results. It might happen in November or December of 2023. It will be further negotiated with **IK Kavalas**, the host of this 3rd TPM. Depending on the negotiations with them, the possible dates will be set and shared on Doodle again for the poll.
11. Documents supporting the Justification of costs and expenses were handled. In the drive folder, there exists the table for Justification of costs. All partners will Justification of costs and keep those documents in the drive and will also send them to the project email stemeuproject@gmail.com
12. All partners were asked to avoid copyright infringement of the materials used for the project outputs. It was recommended to use OER (Open educational resources).
13. The closure of the meeting was done by distributing the certificates. The participants will scan and store their certificates in the drive Learn STEM> Konya Kick-off Meeting > Participant Certificates.
14. Each partner will evaluate the Kick-off meeting until May 1 through this link:
https://docs.google.com/forms/d/e/1FAIpQLSeV6gcsRW8vzaO9J-TuQjjOjs09cDTc_JyQOO_XnnbNgb4ZBA/viewform