Feasibility study: AI-supported simultaneous interpreting tools for resilience educators

KA210-VET - Small- scale partnerships in vocational education and training : Vocational Education and Training

Project Title: Creation of a train - the -trainer format for digital multilingual webinars using AI-assisted multilingual simultaneous translation tools for the training of resilience educators in Europe.

Project Acronym : Edu2Help

A2 Skills Development

A2.1 Feasibility Study for simultaneous AI supported translation tools

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1. Introduction

Linguistic diversity presents a key challenge in digital educational settings. In the context of resilience pedagogy, comprehensibility is a crucial factor for safety, participation, and psychosocial stability.
Modern AI translation systems can provide support by reducing language barriers and facilitating multilingual webinars. The European Framework for the Digital Competence of Educators (DigCompEdu) emphasizes the targeted use of digital tools to promote inclusion[1].

This study examines the use of AI-based simultaneous interpreting tools in the Edu2Help project. A key role is played by the new Microsoft Copilot Interpreter Agent, which has enabled real-time translation in Microsoft Teams since 2025[2].

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2. Evaluation Methodology

The evaluation follows a multidimensional set of criteria based on educational guidelines from the European Commission and recommendations from AI research.[11][12][13] .

Technical documentation from manufacturers, application experience, data protection guidelines, and the needs of the target group were taken into account.1214

The tools were evaluated in six categories based on DigCompEdu[1] .

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3. Pre-selection. Video conferencing tools with translation function.

Microsoft Teams was included in the main evaluation due to its GDPR compliance, slide translation,
live subtitles , and new AI interpreter[3] . Zoom, Webex , and Skype only partially meet the didactic requirements[6].

Comparison table (sources 3, 4, 6)

Tool	Subtitles	Slide translation	AI simultaneous translation	GDPR	Accessibility
Microsoft Teams	Yes	Yes	Yes[23]	Yes	High
zoom	Yes	No	Yes[6]	Partially	Medium
Skype	Yes	No	No	No	Medium
Webex	Yes	No	Yes[6]	Yes	Medium to high

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4. Rated Tools

DeepL were evaluated.
The criteria are based on studies on the reliability of machine translation and AI language systems.[78]

Evaluation matrix (sources 1, 2, 7, 8)

category	MS Teams	ChatGPT	Google	DeepL
Didactic suitability	19	16	18	17
Translation quality	17	13	12	18[8]
Technical Integration	14	10	13	11

category	MS Teams	ChatGPT	Google	DeepL
Data protection	13	10	7	13
Cost	8	9	10	7
Empowerment	19	18	13	10
In total	**90**	76	73	76

The team achieves the highest total score.

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5. Strengths and weaknesses analysis

Microsoft Teams with Copilot Interpreter

(Sources 2, 3, 4)

Strengthen

- AI simultaneous translation in real time[2]
- Combination of subtitles and slide translation[3]
- Accessibility according to EU standards [1]
- GDPR-compliant processing[5]
- high benefit for psychosocial topics such as resilience pedagogy [7]

Weaken

- slight delay in voice transmission
- limited emotional nuances
- depending on microphone quality[3]
- Cultural nuances can be imprecisely reproduced[7]

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6. Recommendations by Scenario

Based on studies on learning effectiveness and digital participation[17], the following is suitable:

Application	Recommendation
Lecture-based webinars	**Microsoft Teams with Copilot Interpreter Agent**
Webinars with many slides	Microsoft Teams PPT Live[3]
Dialogic learning settings	ChatGPT Voice[4]
Document editing	DeepL[8]
Mobile communication	Google Translate[6]

7. Overall Conclusion

Microsoft Teams offers the Copilot Interpreter Agent, an AI feature that enables fully automated simultaneous translation for the first time[2].
Combined with subtitles, PowerPoint Live, and transcripts, this creates a comprehensive system for multilingual teaching.

The results can be summarized as follows.

- technically reliable[23]
- Data protection compliant[5]
- Didactically suitable for heterogeneous target groups[1]
- Sufficiently precise in content for resilience pedagogy [7]

This makes Microsoft Teams the most suitable tool to support multilingual webinar work in the Edu2Help project.

List of sources

[1] Redecker, C. (2017). European Framework for the Digital Competence of Educators . DigCompEdu . Publications Office of the EU.

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[6] Wacharamanotham , C. et al. (2022). Machine Translation in Education. International Journal of Educational Technology.

[7] European Commission . High Level Expert Group on AI. (2022). Ethics Guidelines for Trustworthy AI.

[8] DeepL GmbH (2023). Quality studies on machine translation.

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