

ABACO Project — AI speech-to-text captioning for deaf and hard-of-hearing students in Trieste

AI in Education · Good practice · Italy

Quality score: 67/100

Evidence strength: Descriptive / self-reported

Summary

A €4m Friuli Venezia Giulia project deploys AI speech-to-text captioning for deaf/hard-of-hearing students. A 2025 peer-reviewed SWOT/TOWS analysis of stakeholders found real benefits but also cognitive-load and stigma risks, yielding 17 recommendations.

Key dimensions

Dimension	Score
Evidence of learning impact	1/3
Equity & inclusion	2/3
Transparency, ethics & data protection	3/3
Teacher capability & pedagogy	2/3
Scalability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-07-06

[IRCCS Burlo Garofolo \(Trieste\) / Ente Nazionale Sordi / Regione Autonoma Friuli Venezia Giulia](#) — accessed 2026-07-06

[Audiology Research \(MDPI, 2025\): SWOT analysis of speech-to-text captioning in schools](#) — accessed 2026-07-06

[Regione FVG: results of the ABACO project presented](#) — accessed 2026-07-06

[IRCCS Burlo Garofolo: ABACO project results presentation \(Dec 2022\)](#) — accessed 2026-07-06

[il Friuli: ABACO project helps deaf and hard-of-hearing people](#) — accessed 2026-07-06

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