

Project title: "Multimodal multilingual human-machine speech communication"

Project Acronym: AI-SPEAK

Deliverable index: D1.2b

Version: 2.0



AI-SPEAK

QUALITY CONTROL PLAN

of the Project "Multimodal multilingual human-machine speech communication" (AI-SPEAK), as initially established during the series of meetings that took place in January 2024 including the Project kick-off meeting, and finalized by the end of WP1 (Preparatory activities) in M4.

Quality control and monitoring (QCM) activities will be performed continuously during the realization of the Project "Multimodal multilingual human-machine speech communication" (AI-SPEAK). PI of the Project, according to his role as the leader of WP7 (Management), will be responsible for quality control at the project, and will be helped by team members P1 and P2 in assessing the quality of Project results.

As is the case with any scientific project, scientific goal is the focus of the collaborative effort. However, this goal should be supported with adequate subsidiary features in order that the team should not be derailed from their course, and that the team dynamics should not deteriorate over time.

Besides the quality of scientific results and their publications, which will be ensured by independent peer reviewers, the principal areas to be monitored with selected indicators and correction strategies include:

- Project progress and outcomes, their quality and timely character;
- Communication between the Project team members and their adequate cooperation;

in order that the team as a whole performs their roles and tasks in line with the approved Project proposal, as well as Implementation and Dissemination plan.

The project activities, milestones and deliverables will be constantly monitored by PI in consultation with TM5 and TM2, as representatives of team member units charged with tasks related to text-to-speech synthesis and automatic speech recognition respectively. Any deviations and difficulties will be quickly identified and examined, and actions for efficient solutions will be determined. TM1, the team member with most experience in both speech technology and scientific project management is also expected to provide valuable input and to give recommendations on issues that could be further improved or corrected, in collaboration with the External Collaborator. Possible difficulties, when encountered, will be used as opportunities for dialogue among evaluators and strengthening the self-assessment process. Quality indicators will be measured through internal report analyses and surveys among Project result users or stakeholders, where applicable.

Through constant communication with team members discussing their individual roles and joint results, PI will aim to identify bottlenecks, improve team efficiency, and resolve any circumstances that may be

related to inadequate communication and potential conflict. He will also identify specific key elements that appear critical for Project team success and effectiveness (it should be noted that most team members have previously collaborated on similar scientific projects, mostly under his leadership). To stimulate scientific research within the team, PI will purposefully build the team, by promoting disagreement and diversity of ideas, but containing conflict, and he will set clear expectations for sharing credit and authorship over scientific results. In building the team, PI will keep in mind the development of a shared vision, self-awareness, and strong communication skills.