

Goal	"Why Loudness Matters" (Anikin et al., 2024)	NSIR (Sadownik, 2025)
Research Focus	How loudness signals strength and aggression.	How robots provide social comfort and trust.
User Impact	High loudness levels can cause physiological arousal and fear.	Sensory-safe interaction is required for social safety.
Design Utility	Provides rules for non-aggressive vocal profiles.	Measures if the robot's persona is perceived as "safe".
Connection	Establishes the "loudness-frequency trade-off".	Tracks the "Anthropomorphic Connection" resulting from that design.