Music is a powerful expression of cultural identity, uniting communities through shared histories, beliefs, and traditions. This challenge invites innovators to merge traditional choir music education with advanced AI and XR technologies, creating an immersive, interactive platform that fosters the learning and preservation of choir music as Intangible Cultural Heritage (ICH).

**Problem definition**

Traditional choir music, rich in cultural heritage, faces the threat of fading into obscurity due to modernization, globalization, and a lack of engaging, accessible educational resources.

**Description**

Explore how AI and XR (VR/MR/AR) technologies can revitalize interest and participation in choir music across diverse cultural traditions, making it accessible and engaging for a global audience. Innovators are challenged to use these technologies to create immersive learning experiences that preserve the authenticity of traditional choir music while promoting intercultural understanding and appreciation.

**Key questions**

1. How can AI enhance the learning of choir music’s vocal and conducting techniques?
2. What role can XR play in providing immersive, cultural education experiences?
3. How can technology facilitate global collaboration and community building among choir music enthusiasts?

**Links**

International Society for Music Education: https://www.isme.org/

**Skills**

The project need, AI and Machine Learning, XR Development, Music Education and Ethnomusicology and Project Management and Collaboration.

**Partner**

The Technical University of Munich, Chair of Human-Centered Technologies for Learning https://artisanxr.edu.sot.tum.de/