

ICAO TRIP

REGIONAL SYMPOSIUM

BUILDING **FUTURE RESILIENCE:**
THE ROLE OF **SEAMLESS**
AND **CONTACTLESS** TRAVEL





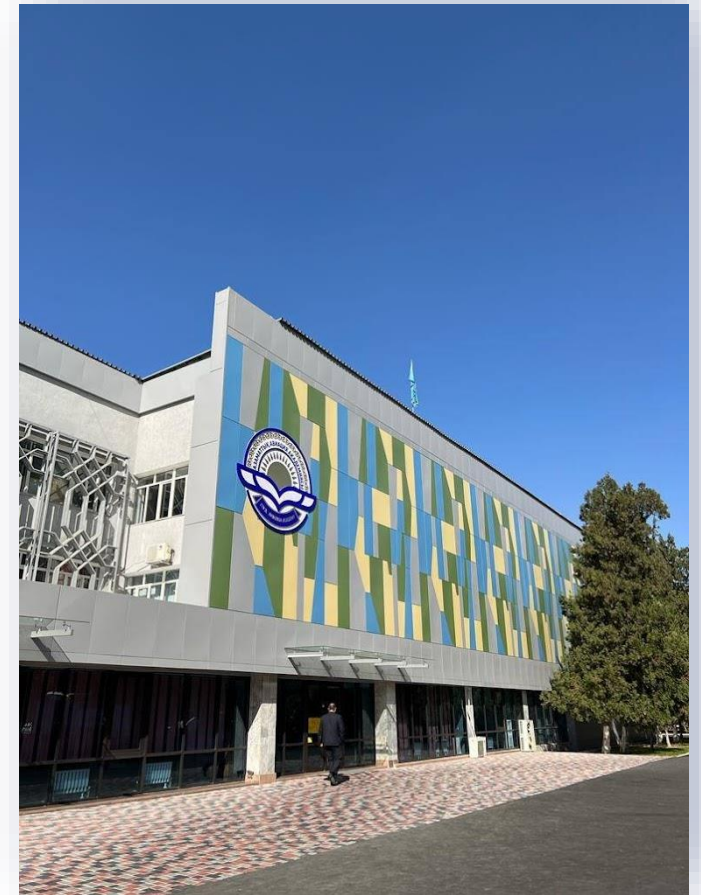
Kairat Koshekov

Civil Aviation Academy
Kazakhstan

About Academy



- The only higher education institution in the Republic of Kazakhstan,
- 1700 students,
- Bachelor, Master degrees, PhD, post-doctoral studies
- 16 educational programmes
- Business incubator and research laboratories on UAVs, digitalization, profiling
- Security, management and digitalization scientific schools





02 Scientific activity



Science Committee Grant of the
Ministry of Science and Education
of the Republic of Kazakhstan

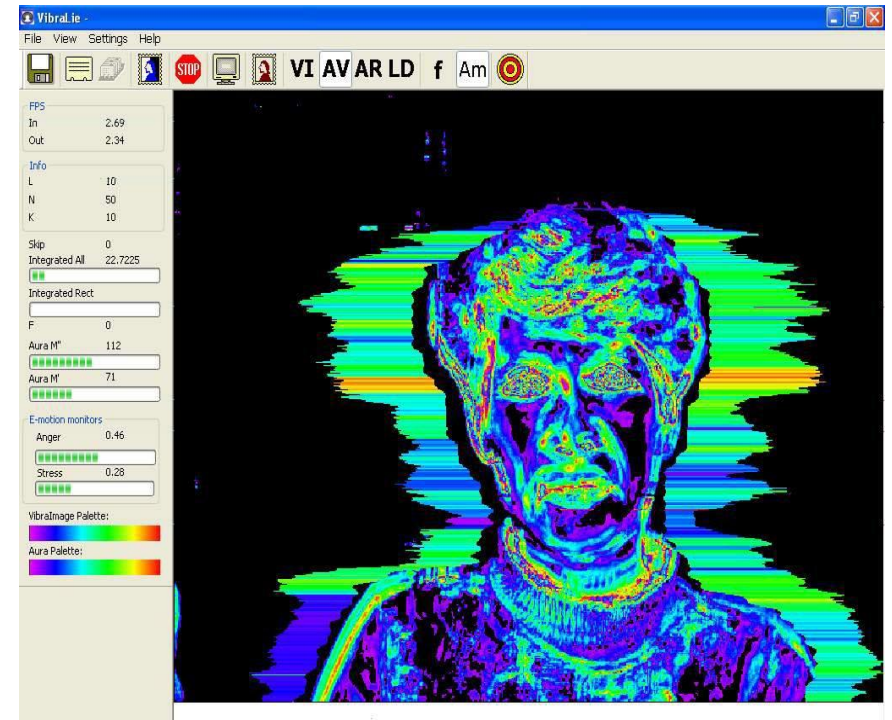
Timeline: 2021 - 2023.

Theme: IRN AP09258659 "Research
and introduction of profiling
technology into the aviation
security system in the Republic of
Kazakhstan using artificial
intelligence".





- Recommendations on changes and amendments to the legislation of the RK.
- A set of techniques for drawing up a psychological portrait of a personality.
- Intelligent Analysis by Speech Signal Method»;
- «Aviation Security and Profiling Laboratory»;
- Aviation Profiling Training Course».



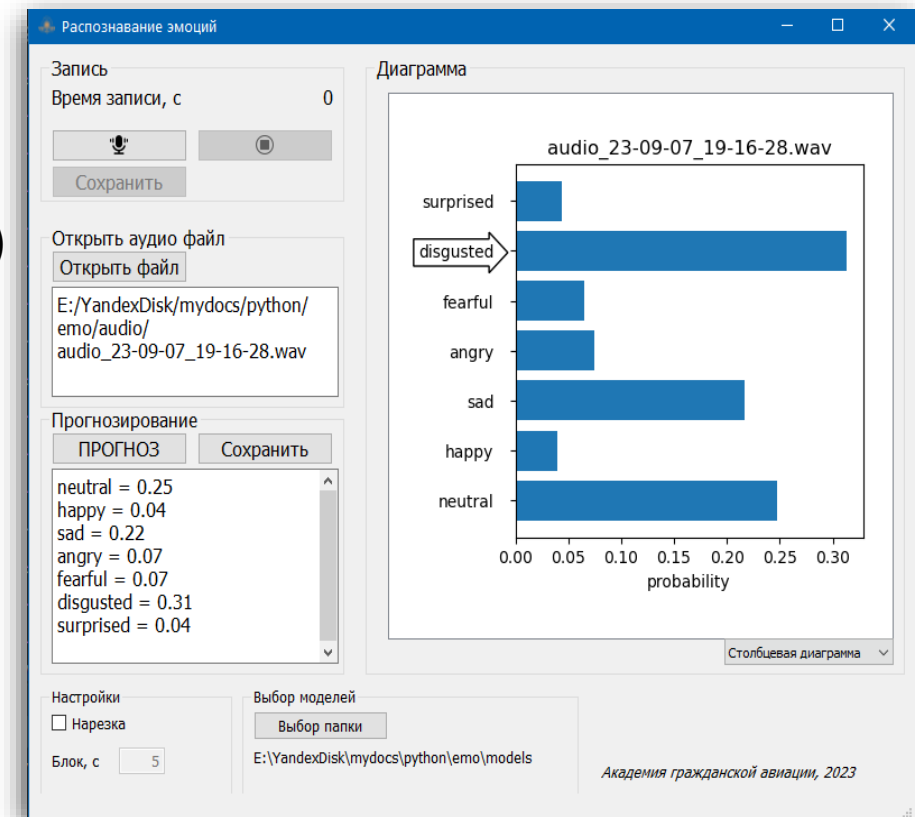
04

Intelligent analyser of psycho- emotional states



DATABASES:

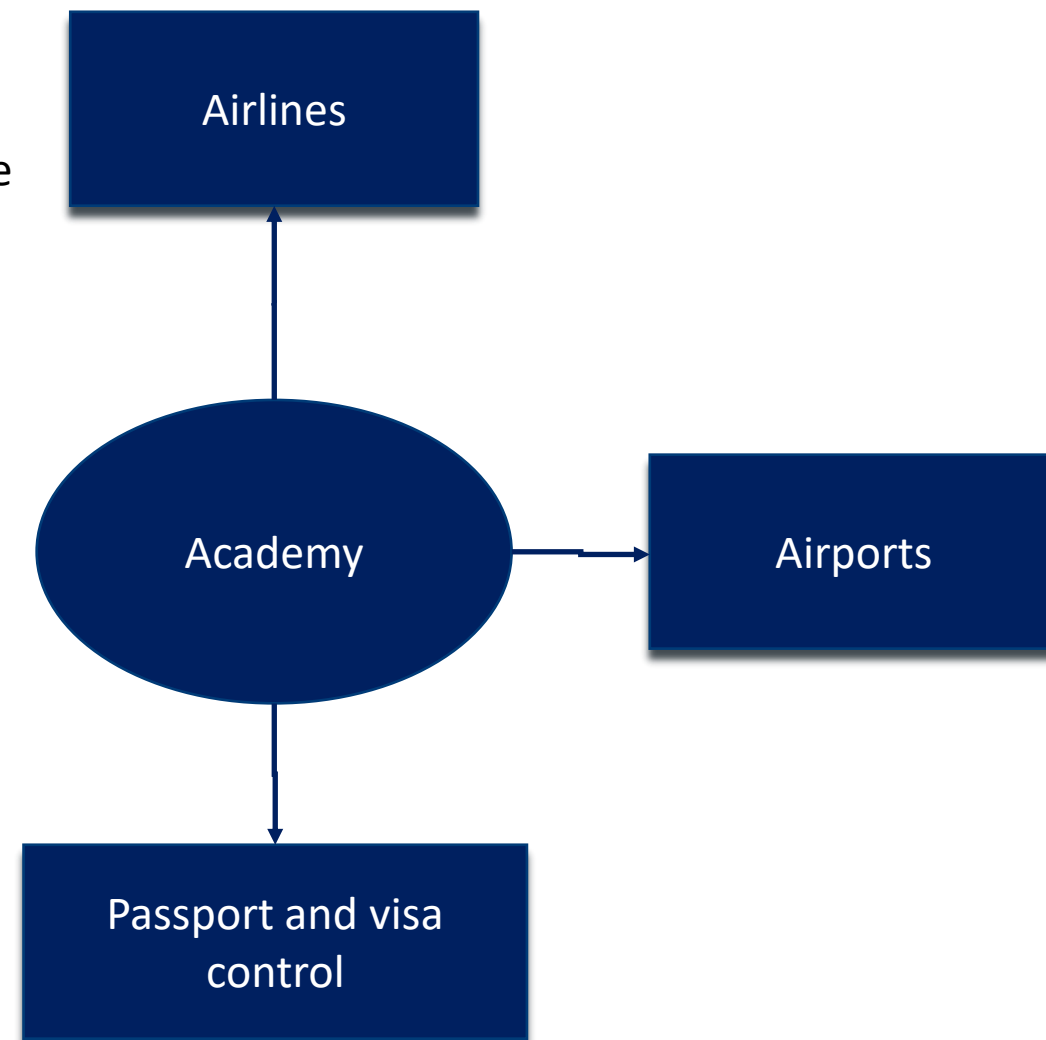
- The Ryerson Audio-Visual Database of Emotional Speech and Song (RAVDESS)
- Surrey Audio-Visual Expressed Emotion (SAVEE)
- Toronto Emotional Speech Set (TESS)
- Emotional speech database (ESD)



05 Implementation prospects



- Profiling development platform on the basis of the Academy;
- Specialists training on the “Aviation Profiling course”;
- Security professionals;
- Commercialization;
- Enhancing safety in air transport;;
- Industry implementation



Thank You

