


Knowledge Alliance in Air Transport (KAAT)



**PROJECT LEADER:
"POLITEHNICA" UNIVERSITY
OF BUCHAREST**

**PROJECT MANAGER:
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1. What are we trying to do?
 2. How does this get done, at present?
 3. What is new/innovative about our approach and why do we think it will be successful?
 4. If we succeed, what difference do we think it will make in the short and long term?
 5. How are we going to do it?

CONTENT OF THE PRESENTATION

1. WHAT ARE WE TRYING TO DO?

Needs

Better qualified workforce

Curriculum modernisation and innovative and multidisciplinary approaches

A much better link between occupations and qualifications

European dimension of education and training

Improved dialogue university – employers

Objectives

- To ensure a **high quality workforce** by **improving the level of learning outcomes** with particular regard to their relevance for the labour market
- To foster innovation, new, innovative and multidisciplinary approaches to teaching and learning and to facilitate the exchange, flow and co-creation of knowledge.
- **To improve transparency and recognition tools** for HE and VET to ensure cohesive and flexible professional pathways through transnational cooperation.
- To enhance **the international dimension of education and training** through cooperation between EU institutions, HEIs, VET providers, employers, international regulatory bodies ICAO and EASA and other stakeholders.
- To establish an improved and systematic dialogue between education and business by creating a **European network for aviation training and education** with the participation of education and industry stakeholders - **ENATE**

2. How does this get done, at present?

Dialogue and coherence of training



EQF, NQF, SQF



Training provided by companies or by other training bodies

Different Training Modules

Continuing education



Today, airspace is occupied mainly by traditional manned aviation

- ▶ Traditional piloted fixed-wing and rotorcraft with limited connectivity
- ▶ Internet of things on airports
- ▶ Airport digitalisation – ACDM and TAM



Thousands of aircrafts in the sky

MULTI AIR OPERATIONS BASED ON DIGITAL AVIATION INFRASTRUCTURE

Tomorrow, Digital Aviation infrastructure to enable all air operations

- Connected airplanes and rotorcrafts, drones, urban air mobility and taxi services
- Smart airports, advanced airport digitalisation



Hundreds of thousands of connected flying vehicles in the sky

Highly qualified workforce

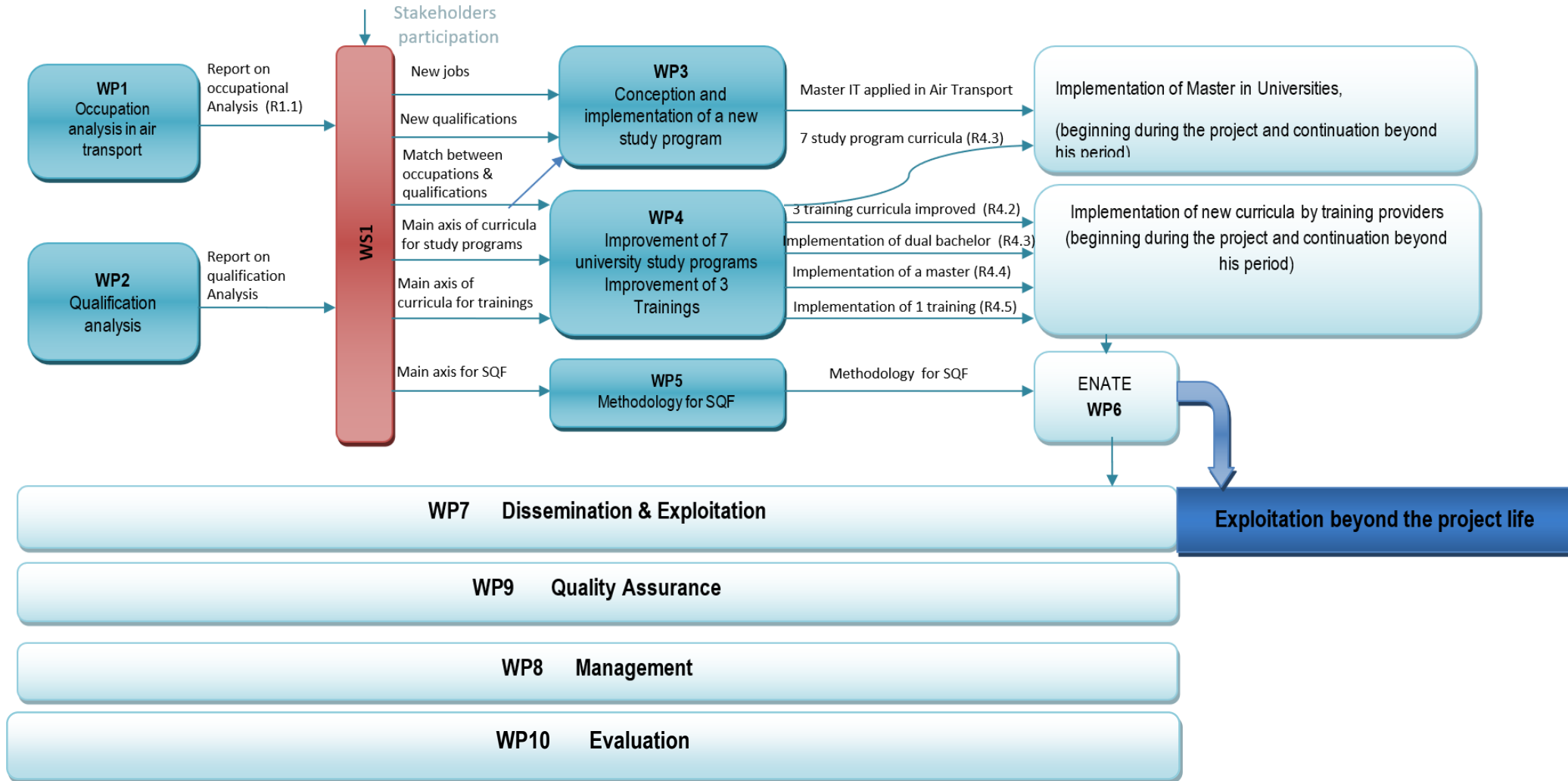


3. WHAT IS NEW/INNOVATIVE ABOUT OUR APPROACH AND WHY DO WE THINK IT WILL BE SUCCESSFUL?

- ▶ **Highly qualified workforce** due to innovative European study programmes based on ICT tools designed by 17 partners from education, airports, airlines, maintenance, handling, governmental authorities, air traffic management of 7 countries: **Croatia, France, Italy, Latvia, Portugal, Romania, and Slovakia** and 11 associated partners from **Austria, Bulgaria, France, Republic of Moldova and Romania** and 2 international bodies: **ICAO and ACI**.
 - ▶ **New study programme**, multidisciplinary with innovative curricula using ICT tools and involving major type of air transport bodies
 - ▶ **IT applied in aviation**
 - ▶ **New curricula** for 7 study programmes and 3 trainings
- Creation and strengthening of **permeability mechanisms** to ensure better transition between training and education pathways and between education and industry.
 - **Methodology for SQF** in air transport
 - **New learning pathways** in aviation.

4. IF WE SUCCEED, WHAT DIFFERENCE DO WE THINK IT WILL MAKE IN THE SHORT AND LONG-TERM?

1. **Right matching of learning outcomes** with skills and competences asked by EASA and ICAO regulations;
2. **Clear progression routes** from vocational and other types of education into higher education and jobs through a methodology for the Sectoral Qualifications Framework (SQF);
3. **Recognition of prior learning and work experience** in aviation in line with the ESCO initiative (Multilingual classification of European Skills, Competences, Qualifications and Occupations);
4. **Promote knowledge-transfer programmes and develop new study programmes** delivered both in situ and on line, to capitalize on employer's experience;
5. **Strengthen exchange channels between education and labour market** through the European Network for Aviation Training and Education (ENATE).



5. HOW ARE WE GOING TO DO IT?

6.1 Dissemination, Exploitation and Sustainability Plan

6.2 Project website and online tools
Newsletters

6.3 Development of media relations

6.4 Public Multiplier Events

Organised by the project

- ▶ 2 workshops
- ▶ 3 conferences

Participation to

- ▶ EC Forum University – Enterprises
- ▶ CEDEFOP conferences, International Conference in Air Transport (INAIR)
- ▶ ICAO trainer plus

6.5 Presentation of results
on the SQF

Methodology in the EQF

Advisory Group and

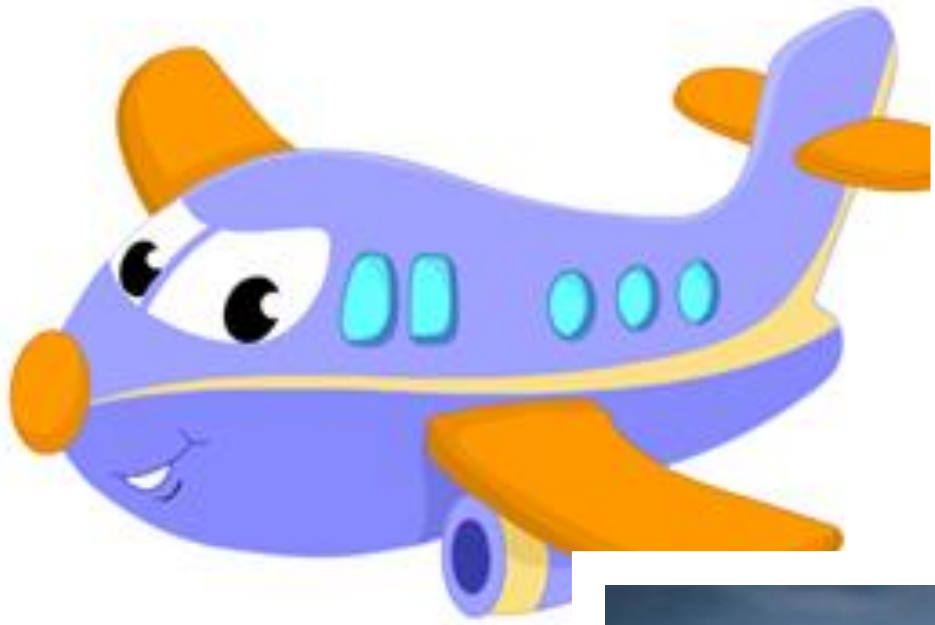
ESCO Maintenance

Group

6.5 Other dissemination
materials



6. HOW ARE WE GOING TO ENSURE THE VISIBILITY AND DISSEMINATION OF THE PROJECT RESULTS?



THANK YOU
FOR YOUR
ATTENTION!

