





Co-funded by the Erasmus+ Programme of the European Union



KNOWLEDGE ALLIANCE IN AIR TRANSPORT (KAAT)

Project Leader: University "Politehnica" of Bucharest

Project Manager: Sorin Eugen Zaharia {sorin.zaharia@gmail.com}

1. Project relevance

- 2. Aims and objectives
- 3. Project implementation
- 4. Partnership
- 5. Results

CONTENTS OF THE PRESENTATION

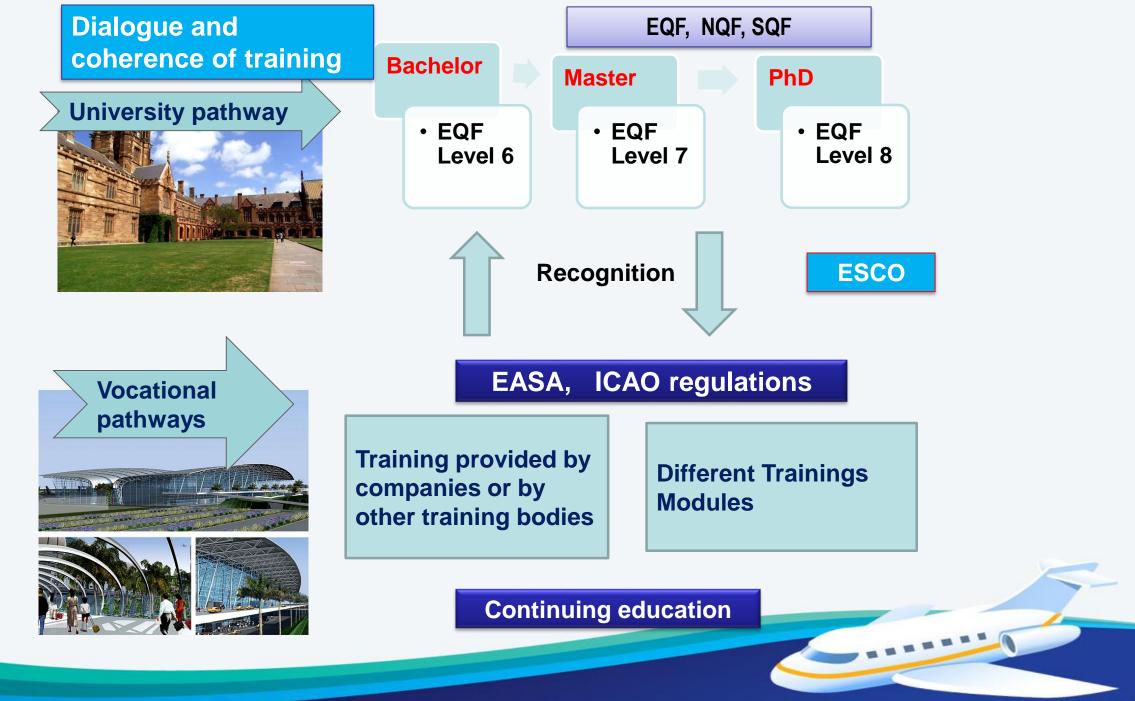


1. PROJECT RELEVANCE

EDUCATION AND TRAINING

- The air transport sector:
 - a highly regulated sector,
 - including very particular training institutions,
 - comprises a wide diversity of regulated occupations which involve specific training and award of licenses,
 - comprises a wide diversity of non-regulated occupations which involve specific training but without licenses

fppt.com



fppt.com

Recognition and compliance

- Dialogue between universities, trainers and employers is crucial in order to enhance coherence of training in the air transport industry.
- Align EC tools for education and employability and air transport regulations.
- Joint development of tools to define learning outcomes for each training level, such as National Qualifications Framework (NQF), Sectoral Qualifications Framework (SQF) or other specific systems such as those used by Eurocontrol, Competence Based Assessment System (CBAS), EASA or ICAO.



Increase flexibility of learning pathways at European level

Learning outcomes are a tool for flexibility and a common measure for the level of knowledge, skills and attitudes which should:

- Reflect a clear evolution of the individual professional capacity;
- Ensure the increase of knowledge and skills development for bringing added value to the learning process;

fppt.com

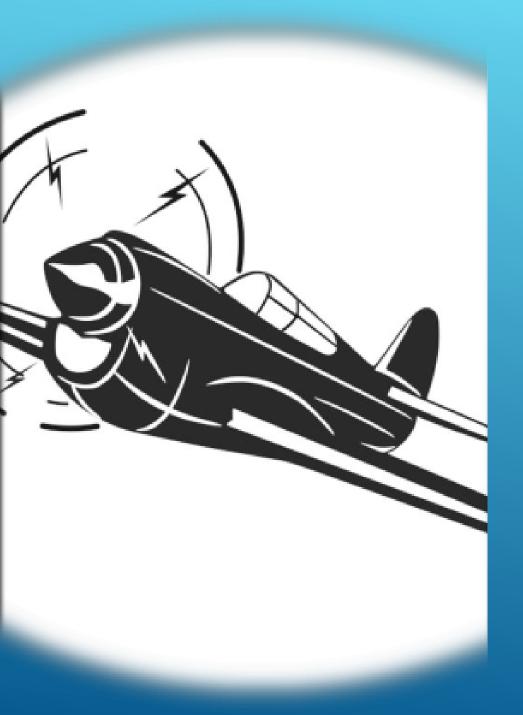
- Foster the **link** between different training providers;
- Ensure recognition between 2 pathways;
- Enhance employability of skilled graduates.



AIR TRANSPORT LABOUR MARKET

- The air transport industry has a very 'mobile' labour market and is increasingly relying on *higher skills levels;*
- Globalization implies interdisciplinarity and this requires *professional competencies* and *transversal competencies* capable of ensuring maximum of job efficiency.
- Qualifications offered by the university programmes do not fully cover the specific requirements of the air transport industry labour market.





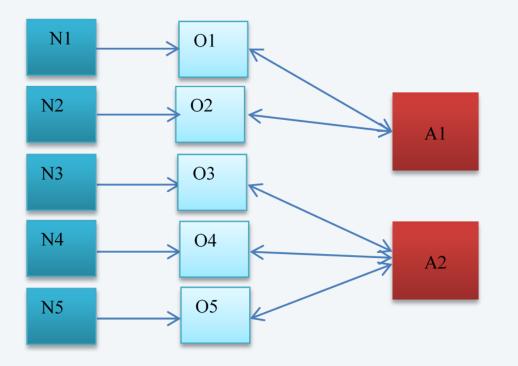
2. NEEDS AND OBJECTIVES

Needs

Objectives

Better qualified workforce	 To ensure a high quality workforce by improving the level of learning outcomes with particular regard to their relevance for the labour market
Curriculum modernisation and innovative and multidisciplinary approaches	 To foster innovation, new, innovative and multidisciplinary approaches to teaching and learning and to facilitate the exchange, flow and co-creation of knowledge.
A much better link between occupations and qualifications	 To improve transparency and recognition tools for HE and VET to ensure cohesive and flexible professional pathways through transnational cooperation.
European dimension of education and training	 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.
Improved dialogue university – employers	 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

fppt.com



A1, "Develop new, innovative and multidisciplinary approaches to teaching and learning"

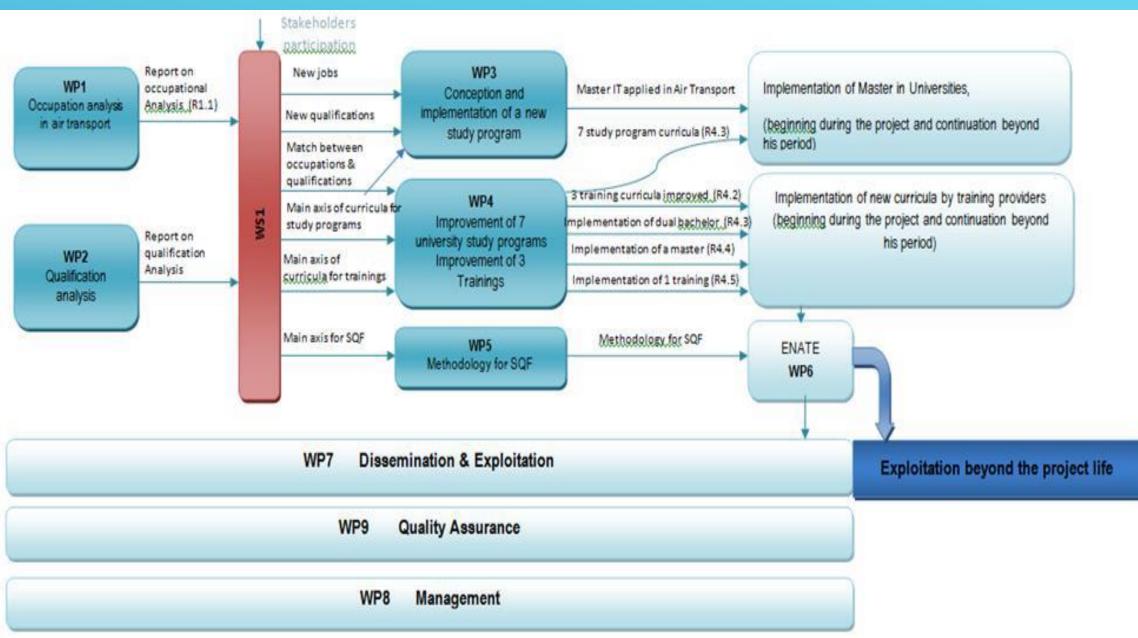
A2, "Facilitate the exchange, flow and co-creation of knowledge"

fppt.com



3. PROJECT IMPLEMENTATION

Overview of project structure and methodology

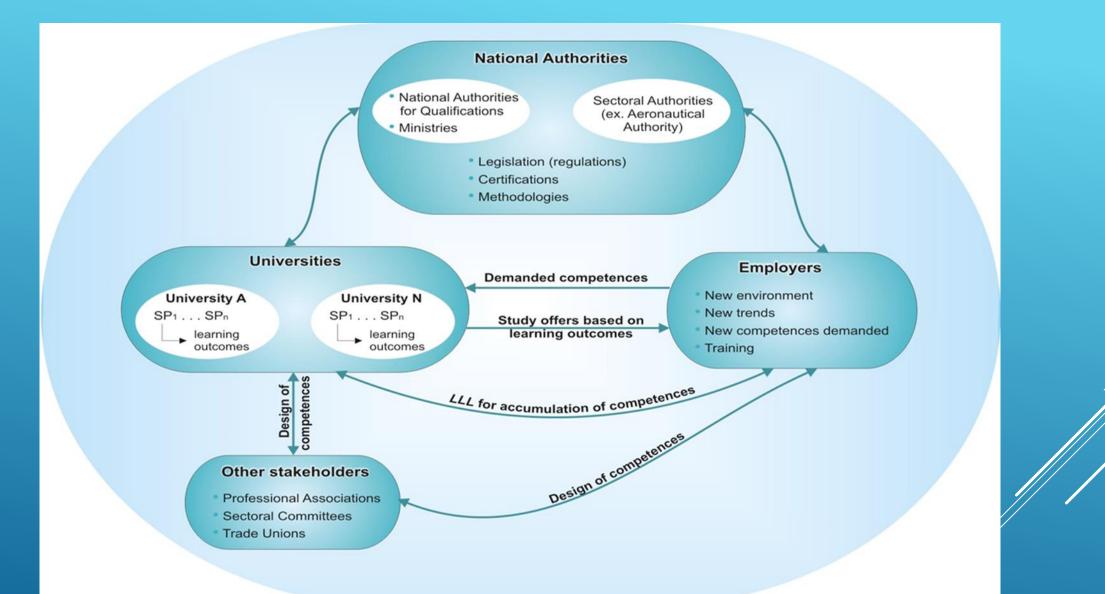




- Programme: Erasmus+, Key Action 2,
- **Budget:** EUR 997,555
- Project implementation duration:
 1 January 2018 31 December 2020
- Partnership: 17 partners from 7 countries.

PROJECT IMPLEMENTATION PERIOD AND BUDGET

4. PARTNERSHIP



The main routes of dialogue in the aviation sector for education and training

Partnership: 17 organizations from 7 countries

The partnership covers all categories of occupations in the air transport: regulatory, maintenance, handling, airports, ATC, airlines:

- 7 HEIs (6 universities and 1 école supérieure) with aviation, logistics and management study programmes,
- 2 adult training providers (P6, P8),
- 8 organizations:
 - 1 airport (P13),
 - 1 ATM provider (P14),
 - 2 airlines (P12, P15),
 - 1 maintenance company (P10),
 - 1 handling provider (P11),
 - 1 aviation investigation authority (P17)
 - 1 consultancy (P7).



Project Coordinator



UNIVERSITY POLITECHNICA OF BUCHAREST ROMANIA (P1)

• 11 m

DB







UNIVERSITY OF ZAGREB, FACULTY OF TRAFFIC AND TRANSPORT SCIENCES CROATIA (P2)







INSTITUTO SUPERIOR TECNICO, PORTUGAL (P3)



TSI

TRANSPORT

TELECOMMU

INSTITUTE

P4 - TRANSPORT AND TELECOMMUNICATION INSTITUTE - TRANSPORTA UN SAKARU INSTITŪTS (TSI) LATVIA



UNIVERSITÉ DE **STRASBOURG**



P5 – UNIVERSITY OF STRASBOURG FRANCE





INOVAPLUS PORTUGAL (P6)



QUASAR HUMAN CAPITAL PORTUGAL (P7)



DEEP BLUE ITALY (P8)







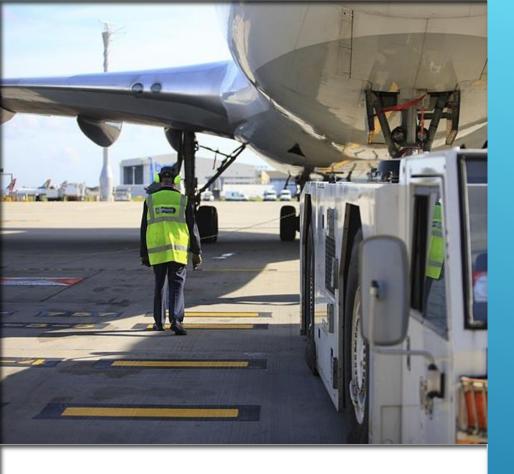
UNIVERSITY OF ZILINA -SLOVAKIA (P9)

AERONAUTICAL TECHNICAL CENTRE CROATIA (P 10)

AERONAUTICAL TECHNICAL CENTER









MENZIES AVIATION ROMANIA (P11)

BLUE AIR - ROMANIA (P12)

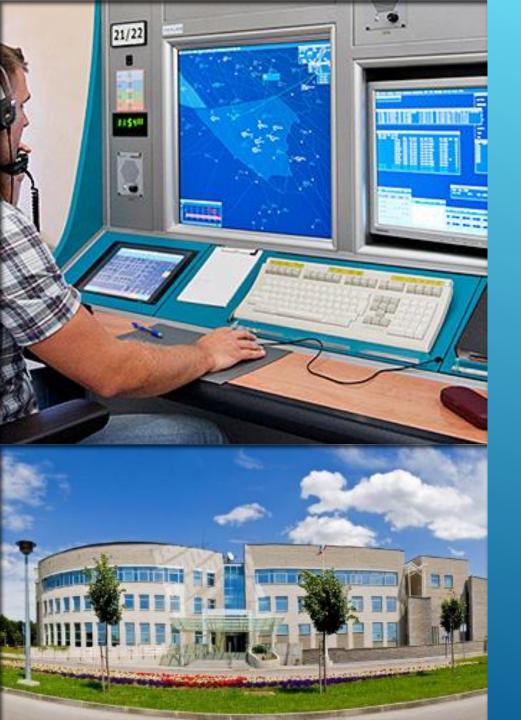








AVRAMIANCU AIRPORT ROMANIA (P13)



CRO CONTROL LTD CROATIA (P14)



CROATIA AIRLINES (P15)





ÉCOLE NATIONALE SUPÉRIEURE DES MINES D'ALBI-CARMAUX FRANCE (P16)







CIVIL AVIATION SAFETY INVESTIGATION AND ANALYSIS CENTER (CIAS) ROMANIA (P17)

11 ASSOCIATED PARTNERS FROM 5 COUNTRIES

- Commission Nationale de la Certification
 Professionnelle (CNCP), France
- European and North Atlantic (EUR/NAT)
 Office of the International Civil Aviation
 Organization (ICAO)
- > ACI Europe
- Transfer Knowledge Association of Romania (ATCR)
- SITA (Austria)
- **> Timisoara Traian Vuia Airport Romania**

- Varna Airport Fraport Company (Bulgaria)
- Romanian Airport Association (RAA)
- Iasi Airport (RO)
- Technical University of Moldova (TUM) Romanian Aviation Academy (RAAc) Airport ROMANIAN SSOCIATION SITA. **Commission Nationale** de la Certification **Create success. Together** Professionnelle O. OAC **IRPORTS COUNCIL** INTERNATIONAL lasi Airport **UNIVERSITATEA TEHNI** Your way to the sky **A MOLDOVEI** Asociatia pentru Transfer de

Cunostinte din România

7. PROJECT RESULTS



WP 1 - Occupational analysis in air transport
WP Leader P8 - DEEP BLUE Italy
1.1 Report on occupational analysis in air transport industry



WP 2 - Qualification analysis in air transport

WP Leader P1 - UNIVERSITY POLITECHNICA OF BUCHAREST Romania 2.1 Report on qualifications analysis in air transport industry

WP 3 – Design and implementation of a new innovative study programme "IT applied in aviation"

WP Leader P16 - ÉCOLE NATIONALE SUPÉRIEURE DES MINES D'ALBI-CARMAUX France

3.1. Master's "IT applied in aviation"

3.2. Short-term mobility for teaching staff for exploitation of ICT tools in the new study programme

WP 4

IMPROVEMENT OF UNIVERSITY STUDY PROGRAMMES AND OF ADULT TRAININGS

WP Leader: INSTITUTO SUPERIOR TECNICO, UNIVERSITY OF PORTUGAL (P3)

4.1 7 reviewed curricula for 7 existing study programmes

4.2 **3 reviewed curricula** for 3 existing trainings

4.3 A dual learning study programme implemented

4.4 A reviewed international master implemented

4.5 A reviewed international training implemented

WP5 Elaboration of the Methodology for the Sectoral Qualification Framework (SQF) and recognition of prior learning and work experience in aviation

- WP Leader P2-UNIVERSITY OF ZAGREB, FACULTY OF TRAFFIC AND TRANSPORT SCIENCES Croatia
- 5.1 Methodology for SQF and recognition of prior learning and work experience in aviation

WP 6 Establishment of the European Network for Aviation Training and Education (ENATE)

WP Leader P1- UNIVERSITY POLITECHNICA OF BUCHAREST Romania

6.1 European Network for Aviation Training and Education



WP 7 DISSEMINATION AND EXPLOITATION



WP Leader P7-QUASAR HUMAN CAPITAL Portugal

European Commission

BRUSSELS, 6-7 APRI

7.1 Dissemination, Exploitation and Sustainability Plan
7.2 Project website and online tools
7.3 Public Multiplier Events
7.4 Dissemination materials



University Business

WP 8 Project Management

WP Leader P1- UNIVERSITY POLITECHNICA OF BUCHAREST Romania

8.1 Partnership Agreement (PA)

8.2 Steering Committee preparation and Meeting Reports

8.3 Coordination of classes, workshops conferences and visits

8.4 Development of interim and final reports to EACEA

WP 9 QUALITY ASSURANCE

WP Leader P5 - UNIVERSITY OF STRASBOURG France

9.1 Set up of the Quality Assurance and Monitoring Board (QAMB)

9.2 Quality Assurance and Monitoring Plan;

9.3 Monitoring and Evaluation Reports.

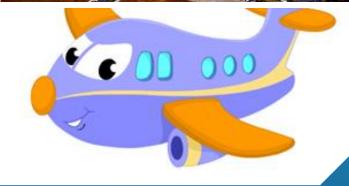
WP 10

PROJECT EVALUATION WP Leader INOVAPLUS Portugal (P6)

10.1 Quality Evaluation Methodology10.2 Internal quality evaluation reports10.3 Impact evaluation questionnaires10.4 Final project impact report







THANK YOU FOR YOUR ATTENTION!