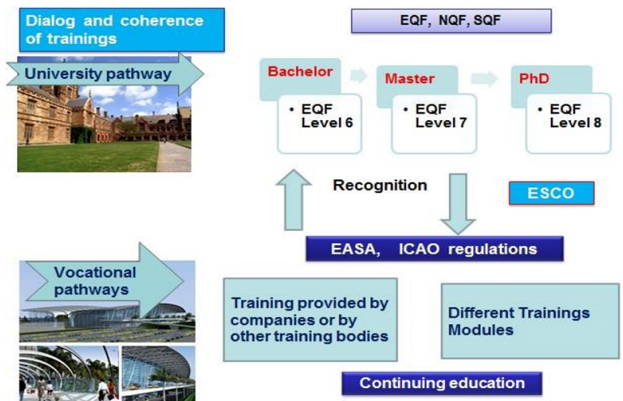


### Elaboration of the Methodology for Sectorial Qualification Framework (SQF) and recognition of prior learning and work experience in aviation

The Methodology for Sectorial Qualification Framework (SQF) and recognition of prior learning and work experience in aviation elaborated within KAAT project is structured in two parts: the first is represented by the development of an SQF for aviation at European level and the second by establishment of links between EC tools for recognition and air transport regulations for qualifications and occupations in order to ensure smooth professional pathways in aviation (Figure 1).



**Figure 1** Pathways for education and training in air transport

The document was elaborated by representative from:



University POLITEHNICA  
of Bucharest



Zagreb University



Romanian Civil Aviation  
Authority

Objectives of the Methodology for sectorial Qualification Framework (SQF) and recognition of prior learning and work experience in aviation

- universities and training providers to be able to describe the qualifications of aviation in terms of learning outcomes;
- stakeholders from aviation to understand and to be able to support the links between academic and vocational pathways and to create the links between regulated and non-regulated qualifications;
- employees to understand the connections between different qualifications and to know how could acquire an international recognition of their study and qualifications.

According to our Methodology, competences are classified in two categories: professional competences and transversal competences.

The descriptors used for SQF are knowledge, skills, autonomy and responsibility, social and personal development (Figure 2).

The Methodology contains the main steps of the qualification description by learning outcomes and descriptors (Figure 3).

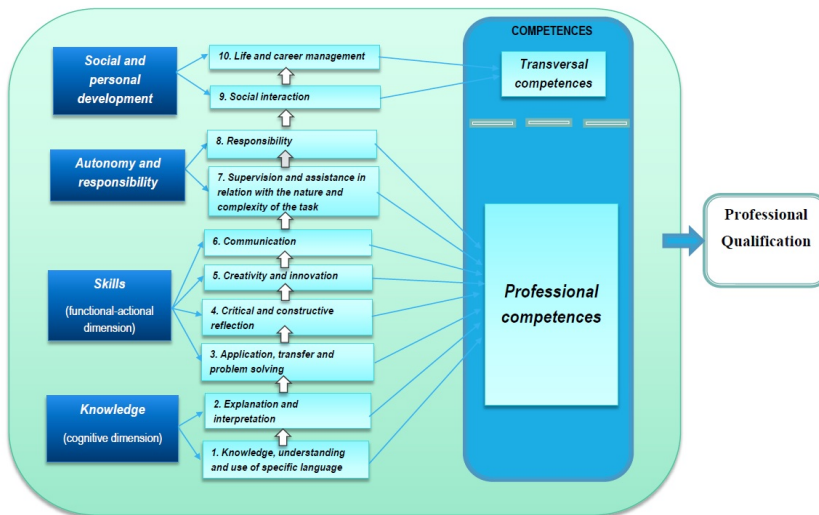


Figure 2 Learning outcomes and their descriptors for a qualification

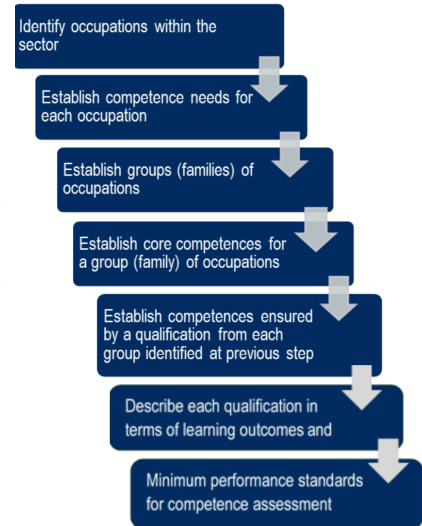


Figure 3 Steps in qualification description by learning outcomes and descriptors



## The New International Interdisciplinary Master Programme: “IT Applied in Aviation” was Launched in September 2019

The purpose of this international and interdisciplinary master programme “IT Applied in Aviation” is to provide students with depth of knowledge in both IT and aviation fields of study in line with the necessity of skilled work force with multidisciplinary knowledge and competences identify by KAAT analysis on qualifications in air transport. The University Politehnica of Bucharest from Romania launched the master programme “IT Applied in Aviation” on September 2019.



The master is organized with the participation of professors and specialists of University Politehnica of Bucharest (Romania), International Civil Aviation Organization (ICAO), École Nationale Supérieure Des Mines d’Albi-Carmaux, Strasbourg University (France), University of Zilina (Slovakia), Instituto Superior Tecnico of Lisboa (Portugal), University of Zagreb (Croatia) and DB Systel (Germany).



The master programme, ITAA, it is organized in a modular structure. In the first semester, the modular structure refers to the fact that students with a background in IT can choose the package with aviation (to learn about aviation), and students who have a background in aviation, can choose the package with IT (Figure 4).

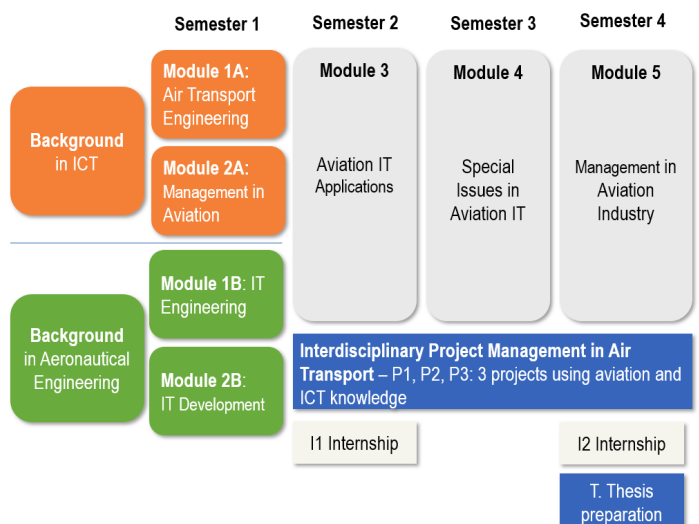


Figure 4 Schedule of the master programme ITAA

Erasmus + mobilities have played an important role in the deployment of the master programme.

## Steering Committee 4

SC4, took place on 9<sup>th</sup> and 10<sup>th</sup> of October 2019 at Rome. The main objective was the approval of Elaboration of the Methodology for Sectorial Qualification Framework (SQF) and recognition of prior learning and work experience in aviation (WP5).

The purpose of the meeting was:

- Presentation of SQF and Recognition of Prior Learning Methodologies, debates, feedback and remarks within KAAT consortium;
- Information, analysis and discussions about the EACEA assessment of the Interim Report;
- Information, analysis, discussions and updates about the progress of WP3, WP4, WP7, WP9, WP10;
- Preliminary discussions and planning regarding the establishment of ENATE (European Network for Aviation Training Education) (WP6).



Steliana TOMA from University Politehnica of Bucharest presented the Methodology for Sectorial Qualification Framework in Air Transport (SQFAT) (the first part of Methodology). She highlighted the conceptual and the methodological components. Doris NOVAK from University of Zagreb of Croatia presented the second part of Methodology (Methodology for Recognition of Prior Learning and Work Experience in Aviation), how to recognize the prior learning and what are the pathways.

## [Air Transport Qualifications in XXI century – Conference](#)

Rome, October 2019

The main topics of this conference focused on the debate of Methodology for Sectorial Qualification Framework (SQF) by stakeholders in aviation.

The conference succeeded in bringing together important stakeholders in aviation from education and business took place on 11<sup>st</sup> of October 2019 in Rome. The State Secretary of Ministry of Transport, Dragoş – Virgil Titea, and also other officials from Romania and Italy have participated.



In the first part of the conference, Comd. Andrea Gioia presented: New technologies in Aviation and Neuroscience. An assessment of the implications on the cognitive and competence level, Alessia Golfetti presented: Analysis of current and emerging occupations in the aviation sector, professor Sorin Eugen Zaharia presented: Qualifications in air transport and Adina Pavel with associate professor Francois Marmier presented: Information Technologies Applied in Aviation – European Innovative Master Programme. Also professor Steliana Toma and professor Doris Novak presented The Methodology for Sectorial Qualification Framework (SQF).

The conference continued with the discussions of the stakeholders who brought interesting additions to the Methodology presented.

The conferences included a parallel session for analyzing the Methodology for Sectorial Qualifications Framework and Recognition of Prior Learning as following:

- Working Group 1, Methodology for Sectorial Qualification Framework;
- Working Group 2, Methodology for Recognition of Prior Learning.

At the end of the conference was presented the feedback from the working groups and general comments.



## 8th European University Business Forum



The representatives of KAAT project, university professor Sorin Eugen Zaharia (University Politehnica of Bucharest) and Melania Jaravete (Blue Air), participated to the 8th University-Business Forum which was held in Brussels on 24 and 25 October 2019. The forum brought together decision-makers, representatives of higher education, the business environment and other stakeholders to debate the role of university-business for innovation and sustainable development. It provided a good opportunity for discussion, exchange of experience and best practices, networking and mutual learning.



The Forum included plenary and parallel sessions, key discussions and panels, pitches and interactive workshops. It has also hosted an exhibition with a series of projects that demonstrate how cooperation between higher education and business works in practice.



Along with the key theme of the Forum - innovation and sustainable development - topics were discussed, such as skills mismatches, lifelong learning, regional and local ecosystems, social innovation, artificial intelligence, entrepreneurial people and organizations and institutional change. The University-Business Forum 2019 was a place for learning, discussion and involvement in new and concrete initiatives. (Source: **European Commission** of 24-25 October 2019. 8<sup>th</sup> European University Business Forum, 2019.)



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