



Future Challenges and Solutions for Education and Training in Aviation

AVIONIC Project Partial Results

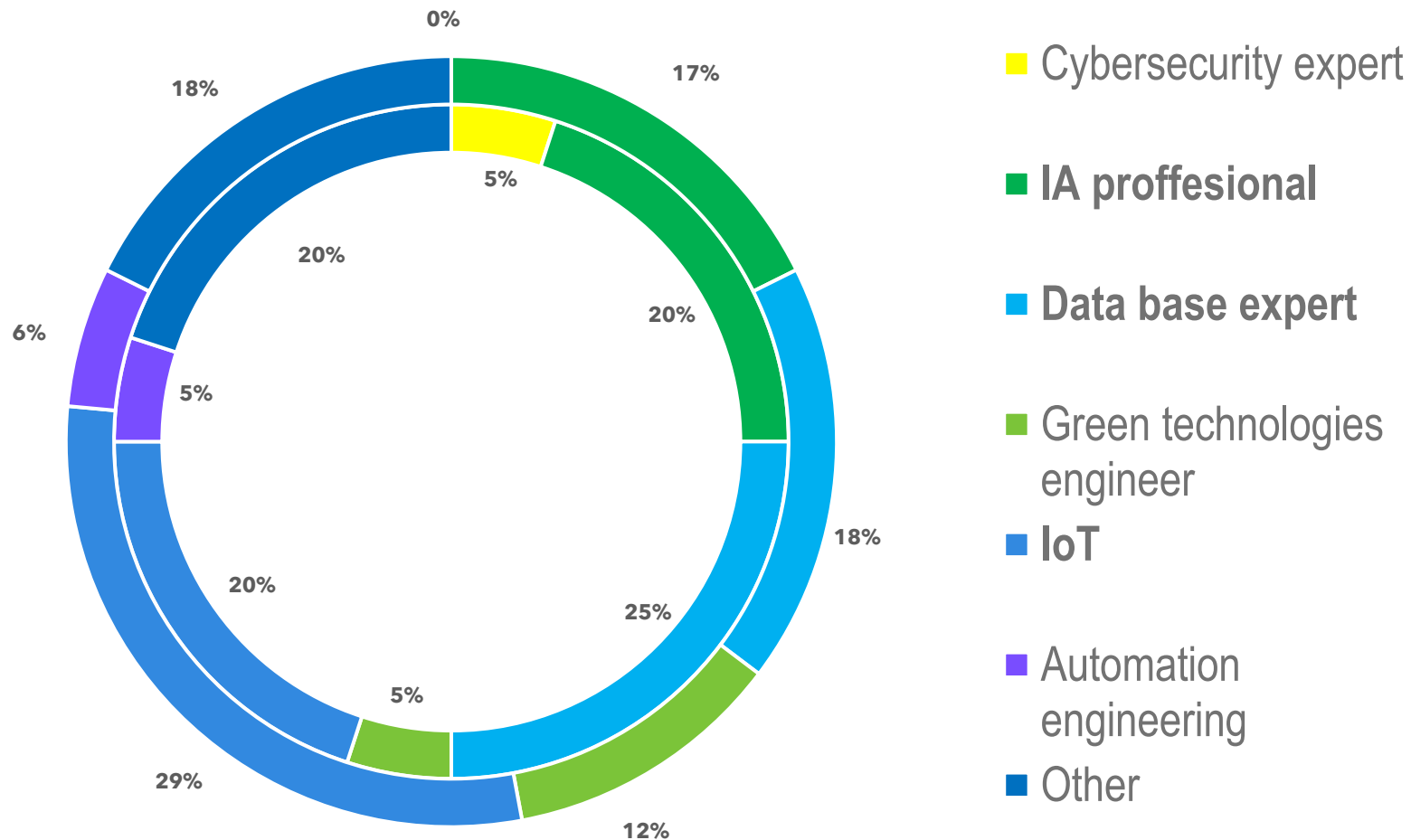


Co-funded by the
Erasmus+ Programme
of the European Union

2022-1-RO01-KA220-HED-000086424

Educators' opinion on new occupations regarding technological progress

What **new occupations regarding technological progress** in air transport industry do you consider relevant to be created in the next **5 years**? And in the next **10 years**?



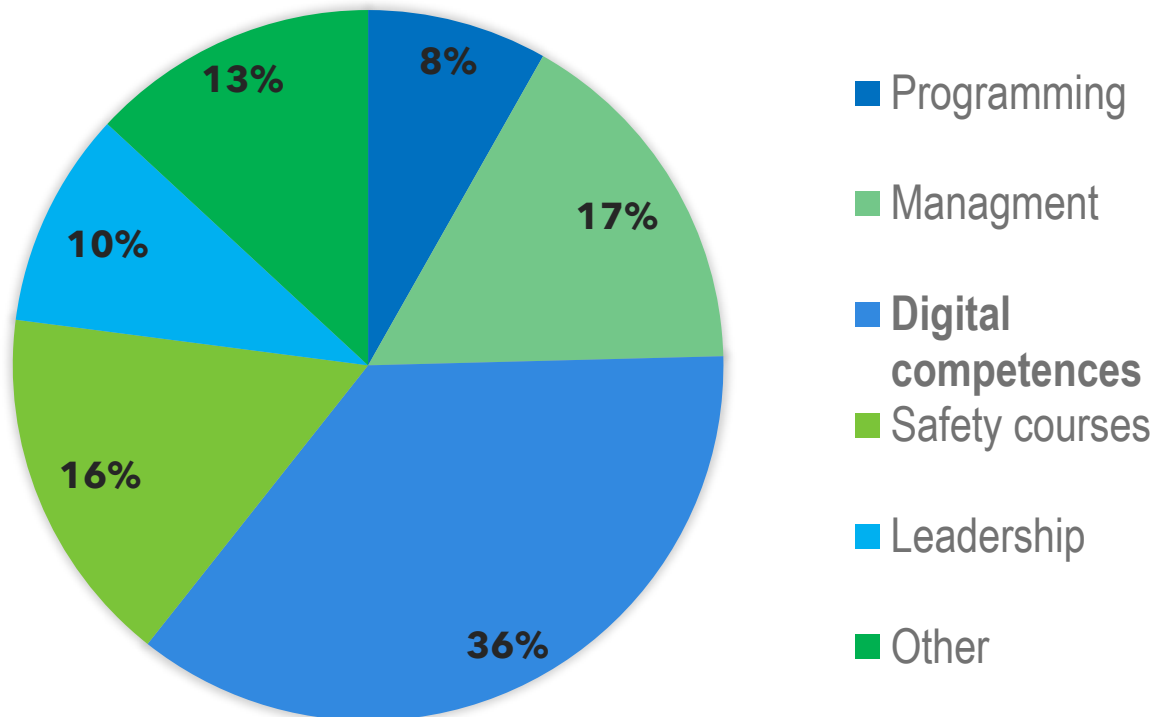
Preferences for training

Employee opinion

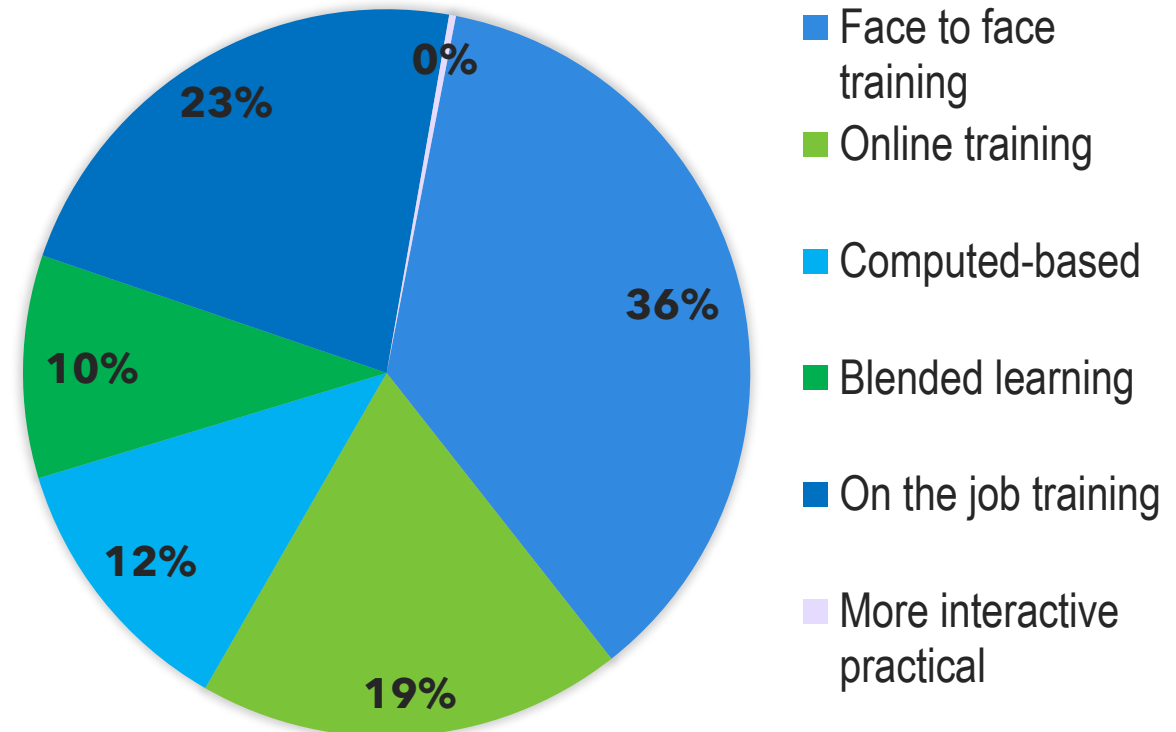


HEIs should provide the education that the employees really need. We questioned the employees about their education preferences in topic and in the way the education is given.

WHAT NEW TRAINING COURSES OR TOPICS WOULD YOU CONSIDER VALUABLE / ESSENTIAL FOR YOUR CURRENT OCCUPATION?



DO YOU HAVE PREFERENCE FOR HOW THIS TRAINING SHOULD BE DELIVERED?



Emerging occupations in aviation

- Specialist in **environment**
- Sustainable Aviation Policy
- **Sustainable Aviation Engineer**
- Sustainable Airport Planner
- **Climate change specialist**
- Consumer energy analysts
- Air Quality Analyst
- **Sustainable Aviation Educator**
- **Green Fuels Researcher**
- Battery technicians
- Solar flight specialists
- Pilots for UAV
- **Drone Traffic Manager**
- Thermal

The **digitalisation and the sustainability** are a **cross sectorial actions** which suppose advanced skills and competences in aviation, ICT and sustainability simultaneously.



Interdisciplinary occupations

Categories of occupations	Groups	Occupations	
Aviation and ICT	Big Data applied in aviation	Big Data Architect, Data Scientist, Data Analyst, Chief Data Officer, Data Protection Officer	
	Cybersecurity	Auditor, Crisis Management Specialist, Expert intrusion tests, Head of the Information Systems Security, Secure communication supervisor	
	Data Storytelling	Data Storyteller, Data Scientist, Business Analyst, Web Analyst	
	Data Science	Chief Data Officer, Data Steward, Data Analyst, Data Scientist, Data-Miner, Developers and integrators of blockchain and virtual technology, AI engineer	
	Piloting	Remote pilot	
	New management approaches	Expert in flight procedure design, managers for ACDM and APOC implementation	

Interdisciplinary occupations

Categories of occupations	Groups	Occupations
Aviation, ICT and Marketing	Search Engine Optimization (SEO)	SEO Manager, SEO Consultant, Content Manager, Traffic Manager
	E-CRM (Electronic Customer Relation Management)	CRM Responsible, Consultant, CRM Manager, Project Manager, Data Analyst
	E-reputation	E-reputation Manager, E-reputation Consultant, Advisor / Watchman in e-reputation, Community Manager, Content Manager
	User eXperience (UX) / User Interface (UI) design	Service Designer, UX Manager, UI Designer, UX Designer, Ergonomist Designer



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

2022-1-RO01-KA220-HED-000086424



UNIVERSIDAD
POLITÉCNICA
DE MADRID

Université

de Strasbourg



This publication is a result of the “Creative Digital Teaching and Learning for Green Air Transport and Logistics (AVIONIC)” Project 2022-1-RO01-KA220-HED-000086424.

This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Thank you for joining us on this journey.

