



# Future Challenges and Solutions for Education and Training in Aviation

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AVIONIC Project Partial Results



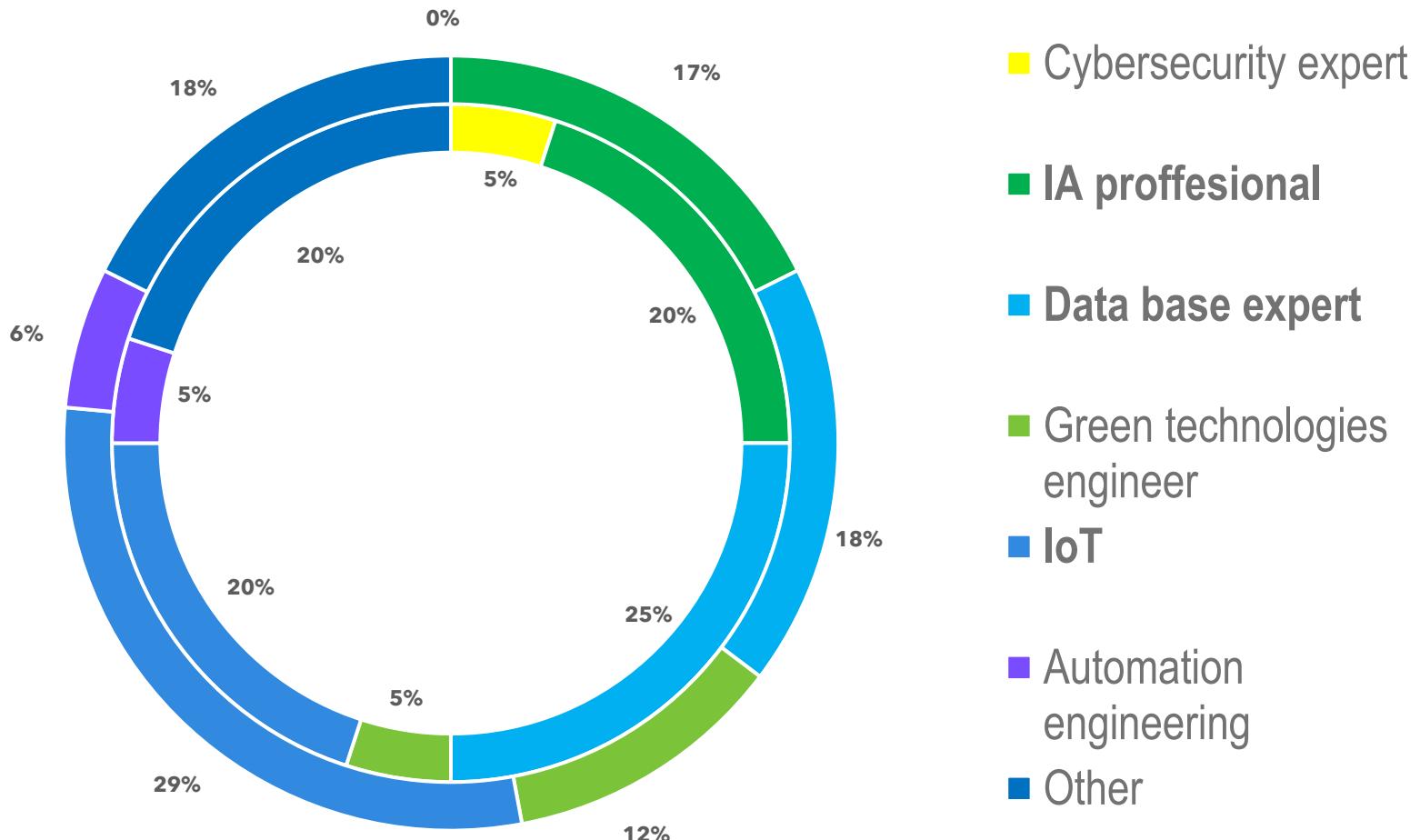
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# Educators' opinion on new occupations regarding technological progress

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?

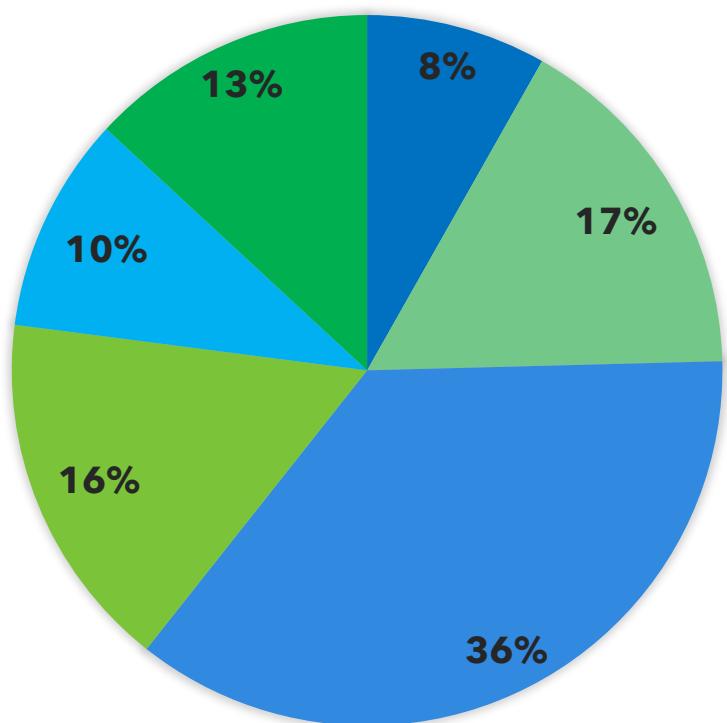


# Preferences for training

## Employee opinion

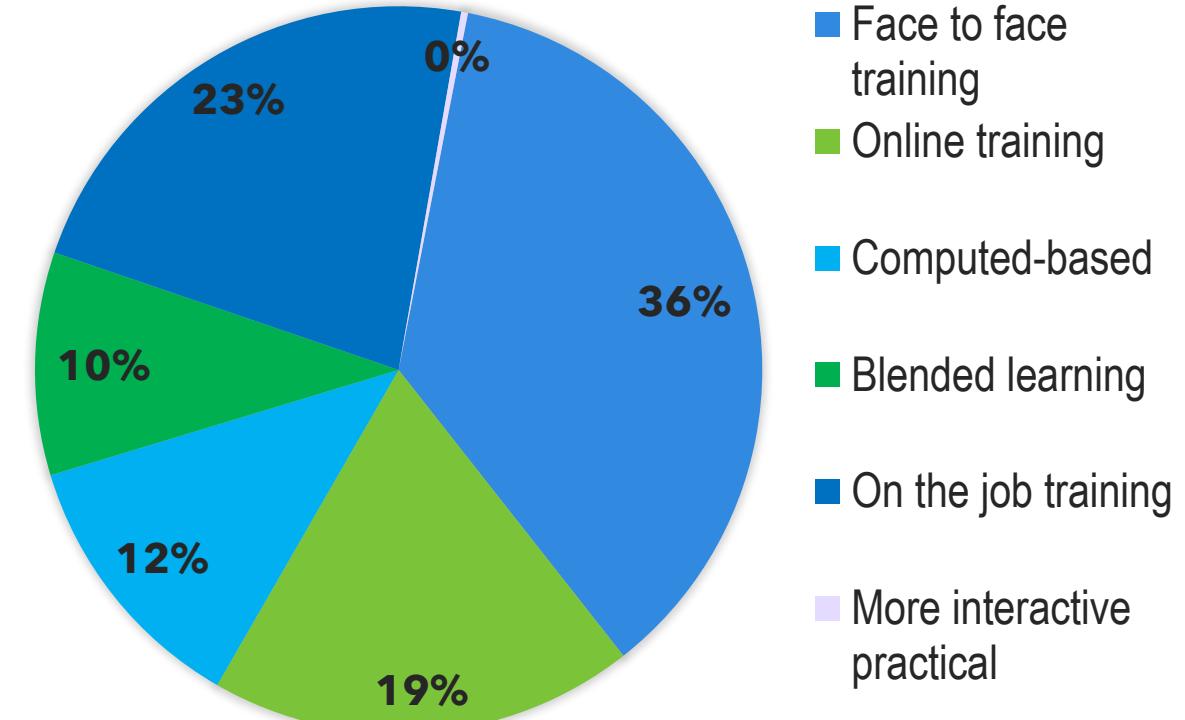
HEIs should provide the education that the employees really need. We questioned the employees about their education preferences in topic and in the way the education is given.

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



- Programming
- Management
- Digital competences
- Safety courses
- Leadership
- Other

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

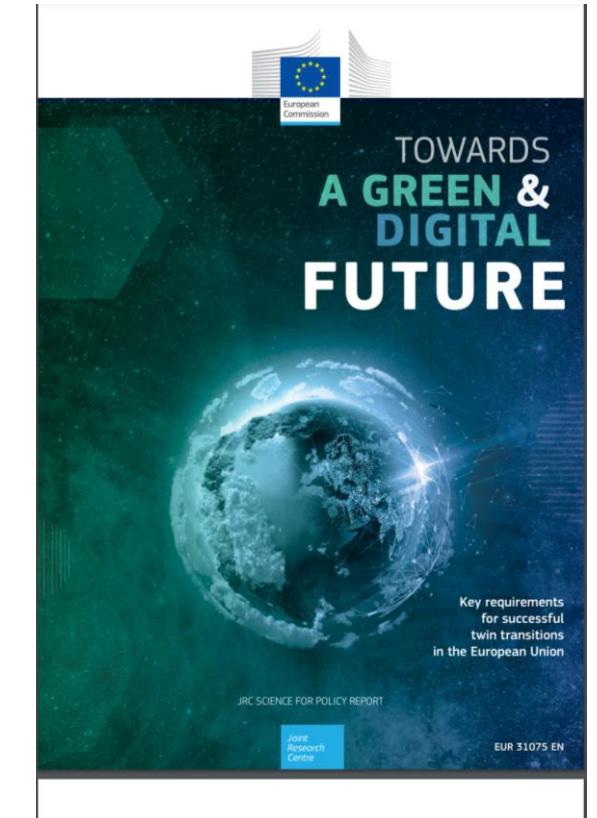


- Face to face training
- Online training
- Computer-based
- Blended learning
- On the job training
- More interactive practical

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

# Interdisciplinary occupations

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



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**Thank you for joining us on this journey.**

