



Preparing Local Authorities to deal with drones

Sofia Kalakou

UAMschool4cities project Coordinator

ISCTE University, Lisbon, Portugal





Preparing professionals for future cities

ISCTE's mission



create and convey **scientific knowledge** according to the best international standards

prepare and train highly skilled professionals for the advancement of the society

Business School

Social Sciences

Sociology and Public Policy

Technology and Architecture

Institute for Public and Social Policy

Iscte-Sintra









UAMschool4cities project

Scope: Preparing future professionals to include Urban Air Mobility services in their cities







Objective: create a MOOC program for building the capacity of future employees of any background to:

- > familiarize with UAM concepts and key technologies
- keep up with relevant UAM regulatory frameworks while determining the challenges and for Local Authorities
- > include UAM in their urban development agendas and
- > start developing responsible and socially acceptable UAM services for the benefit of their citizens



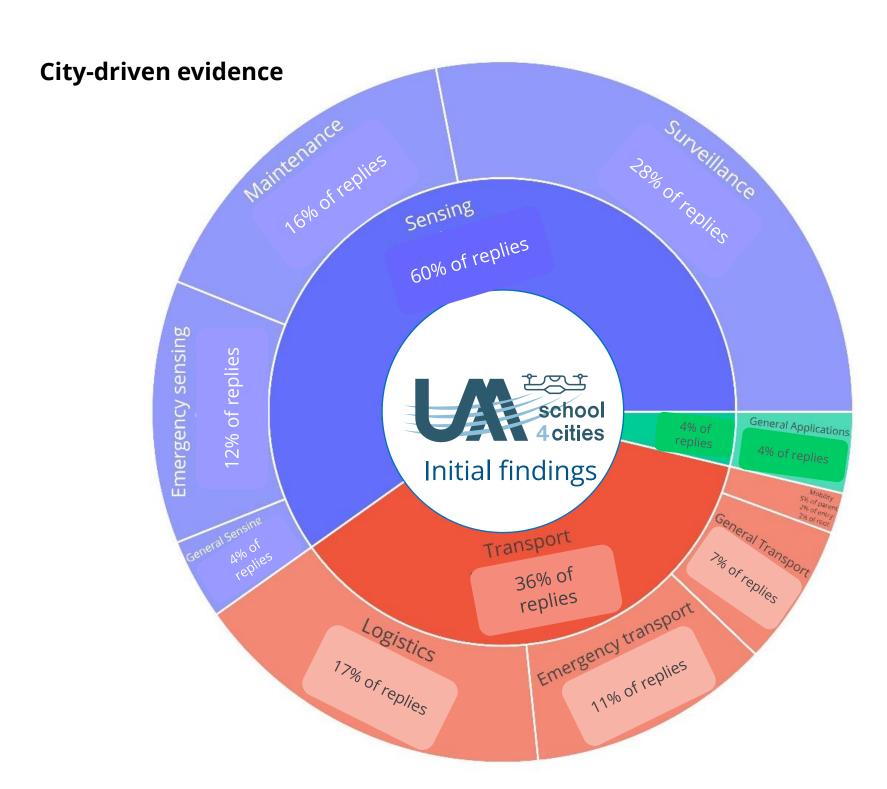






Drones for what?



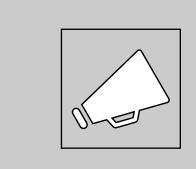








How to prepare cities?



Address awareness



Identify training areas



Develop training material



- > UAM best practices
- City staff focus groups
- City staff interviews







Do cities know about drones?

Indicative answers from cities:

"We were **not informed at all**, we are not familiar either. It is new."

"We know some things but from completely personal interest"

"Personally, I had experiences with flying drones for quite a few years with **my**drone, but I had some training as part of a project as well"

"I am part of a **Facebook** group and I am getting updated from there for all the latest news about the legislation"

"I know that there is **a body in the government level** which is designated to supervise the air traffic and also the air control"

"UAM is new, I guess it will be with a little bit of planning ahead and inevitably with a few **trial and error depending on cases**"



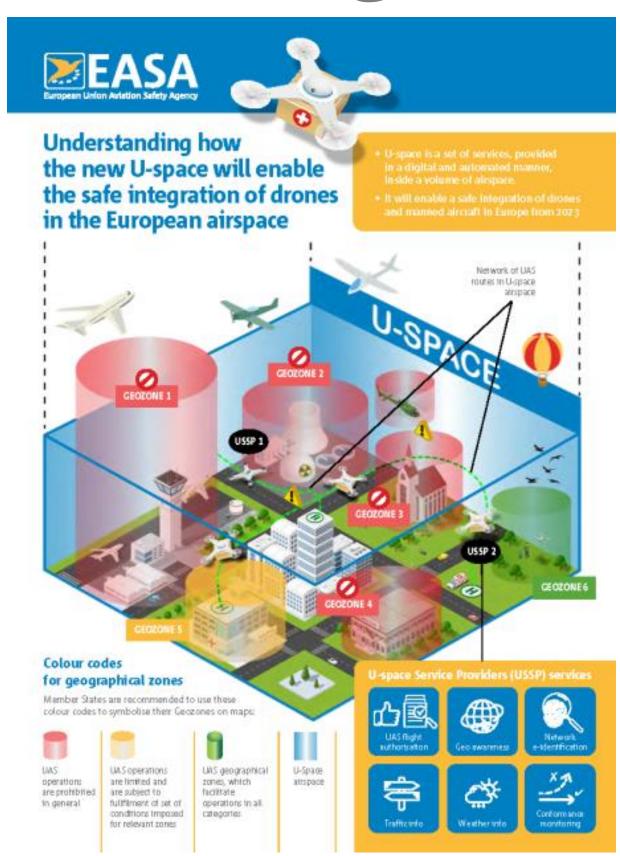






Initial findings:

- 1. Regulations
- 2. Safety topics
- 3. Privacy and Security topics
- 4. Ecosystem development





23.4.2021 EN Official Journal of the European Union

COMMISSION IMPLEMENTING REGULATION (EU) 2021/664 of 22 April 2021 on a regulatory framework for the U-space

(Text with EEA relevance)

THE EUROPEAN COMMISSION,









Initial findings:

- 1. Regulations
- 2. Safety topics
- 3. Privacy and Security topics
- 4. Ecosystem development





https://coptrz.com/blog/birds-attacking-drones-how-to











Initial findings:

- 1. Regulations
- 2. Safety topics
- 3. Privacy and Security topics
- 4. Ecosystem development



https://www.teledataict.com/nar-drones-cybersecurity-are-real-estates-top-emerging-technologies/





https://www.iconfinder.com/icons/841169/cam_camera_drone_helicopter_record_security_icon









Initial findings:

- 1. Regulations
- 2. Safety topics
- 3. Privacy and Security topics
- 4. Ecosystem development











How to prepare cities?





Identify training areas



Develop training material



- 1. Regulations
- 2. Safety topics
- 3. Privacy and Security topics
- 4. Ecosystem development







Thank you for your attention!

For questions:

sofia.kalakou@iscte-iul.pt

This project has been funded with the support of the Erasmus+ Programme of the European Union. The information and views set out in this publication are those of the author(s) and do not necessarily reflect the official opinion of the European Commission and/or the Education, Audio-visual and Culture Executive Agency. Neither the European Commission nor the Education, Audio-visual and Culture Executive Agency, not any person acting on the Commission's behalf and/or the Education, Audio-visual and Culture Executive Agency's behalf, may be held responsible for any use which may be made of the information contained therein.



