

POLIS

CITIES AND REGIONS FOR TRANSPORT INNOVATION

ANNUAL
CONFERENCE

2022



INTERNATIONAL
FEDERATION OF
PEDESTRIANS

30 November
1 December, 2022
Brussels, Belgium



#POLIS2022

Public (air) space use and interactions with city life

5C. URBAN AIR MOBILITY WORKSHOP - DEEP DIVE INTO URBAN AIRSPACE

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President

www.pedestrians-int.org

Urban Air Mobility

- Passenger (eVTOL)
- Parcels (drones)



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Drones

- Fire brigade inspections or crowd control
- Medicine or blood to remote location
- Photography / road inspections /

Drone ≠ Urban Air Mobility



Urban Air Mobility Slido Brainstorm



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- A. What problems does UAM solve ?
- B. What issues does UAM create ?

- C. Effect on city life





DEST > 2K0

Passenger (eVTOL)

- Sustainable and inclusive
- At par with premium taxi
- Democratization of private jet

Parcels (drones)

- Why does society need drone delivery:
Pizza for the hungry
- Within minutes of placing an order
- Magical experience



Passenger UAM : Effect on city life



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Equity?

- Faster taxi for the rich?
- If accessible for all => congestion air space?

Sustainable?

- Electric ≠ sustainable
- Energy need compared to same trip by public transport or bicycle ?

Surface space

- Use space for take off & landing withing walking distance from destinations
or use space for community / green zone?

Noise

Visual clutter



Freight UAM: Effect on city

Sustainable?

- Electric ≠ sustainable
- Energy need compared to same trip by cargo bike?

Equity (user perspective)

- Nice if you have a front yard
- Multi-family housing

Noise

Invading pedestrian space?

- Landing on or hovering above sidewalk?
- Clutter: Watch left & right when crossing,
up (UAM) & down (e-scooter) when walking?



Urban Air Mobility Slido Brainstorm



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Thank you for your active participation!

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