



Directorate General for Transport

# How to fly drones in Europe?

## The European regulatory framework

**DACH Conference**  
**15 October 2018**

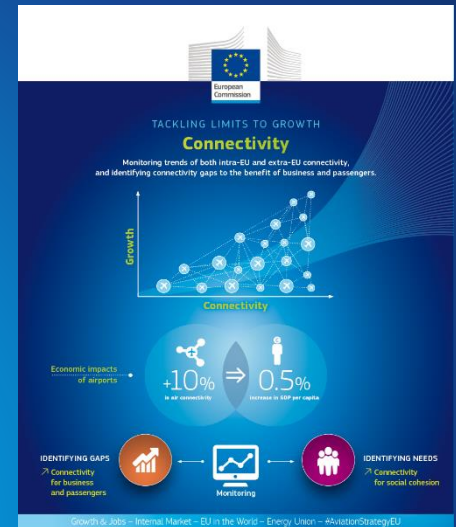


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Mobility and  
Transport

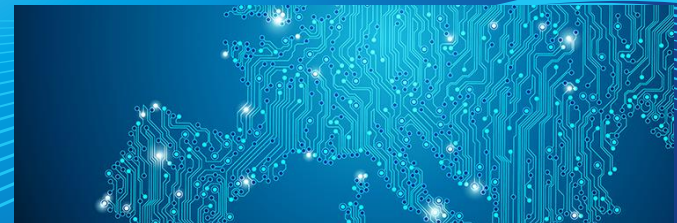
# How do drones fit in the wider picture?

- From aviation to mobility
- From hardware to digitization
- From kerosene to decarbonization
- From loose ends to connectivity
- From dumb things to the Internet of Things in Smart Cities



# How can we promote drone technologies?

1. Keep threshold (and cost) as low as possible to integrate drone services into the value chain of EU businesses
2. Balance between embracing new technologies and protecting citizens' safety / security / privacy / environment
3. Common rules for manufacturers and operators to have access to a single market
4. Open up aviation to "silicon valley" technologies



## EU DRONES ECOSYSTEM

# Rules adapted to fast evolving technologies

Traditional aviation:

- Rules on operations – personnel – aircraft
- Prescriptive
- Heavy processes - certification



**Go for an operation centric approach**

# Delivery Overview

- Delivery of rules:
  - EU competence for ALL drones
  - Rules on drones & operations
  - Airspace rules & U-Space
- Delivery of validated solutions:
  - Network of demonstrators
  - SJU financed projects
  - Smart cities
- Delivery of standards: Industry to deliver





Keep our skies safe

## U-Space

- Need for a leap:
- Move from about 30,000 commercial flights over Europe in 24 hours to TODAY to 2035:
  - About 20,000 flights;
  - Over a single (big) city;
  - In 1 hour.





Keep our skies safe

## U-Space

- A digital and automated system to keep operations safe and secure
- Fair access to space - connectivity
- Authorities set performance requirements
- Services: registration-identification-geofencing-tracking-surveillance....

## Opening an EU drone services market in 2019

### Vision for 2019 and next steps

- Adequate inflow of private investment
- EU network to guide demonstrators
- Delivery of requirements and standards
- Keep the citizens on board!







# Thank you

