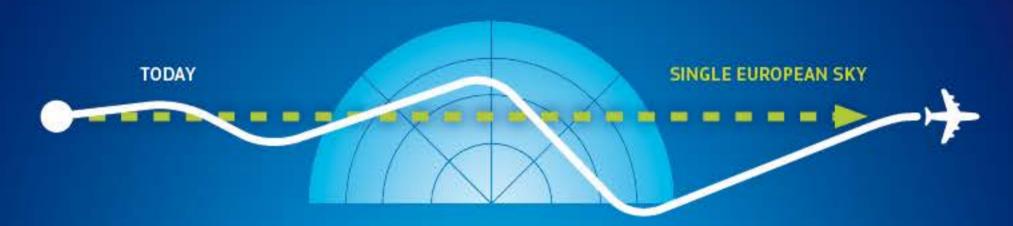


SESAR and the Air Traffic Management modernisation

Developing new technologies for a better management of Europe's airspace and contributing to the Single European Sky goals.



MANAGING MORE EFFECTIVELY INCREASING TRAFFIC **CONTRIBUTING TO**









SESAR JOINT UNDERTAKING











Authorities



Providers



Airports



European Commission

INVESTMENTS

from the Connecting Europe Facility (CEF) for SESAR projects

 $£2.5 \text{ bn} \Rightarrow$

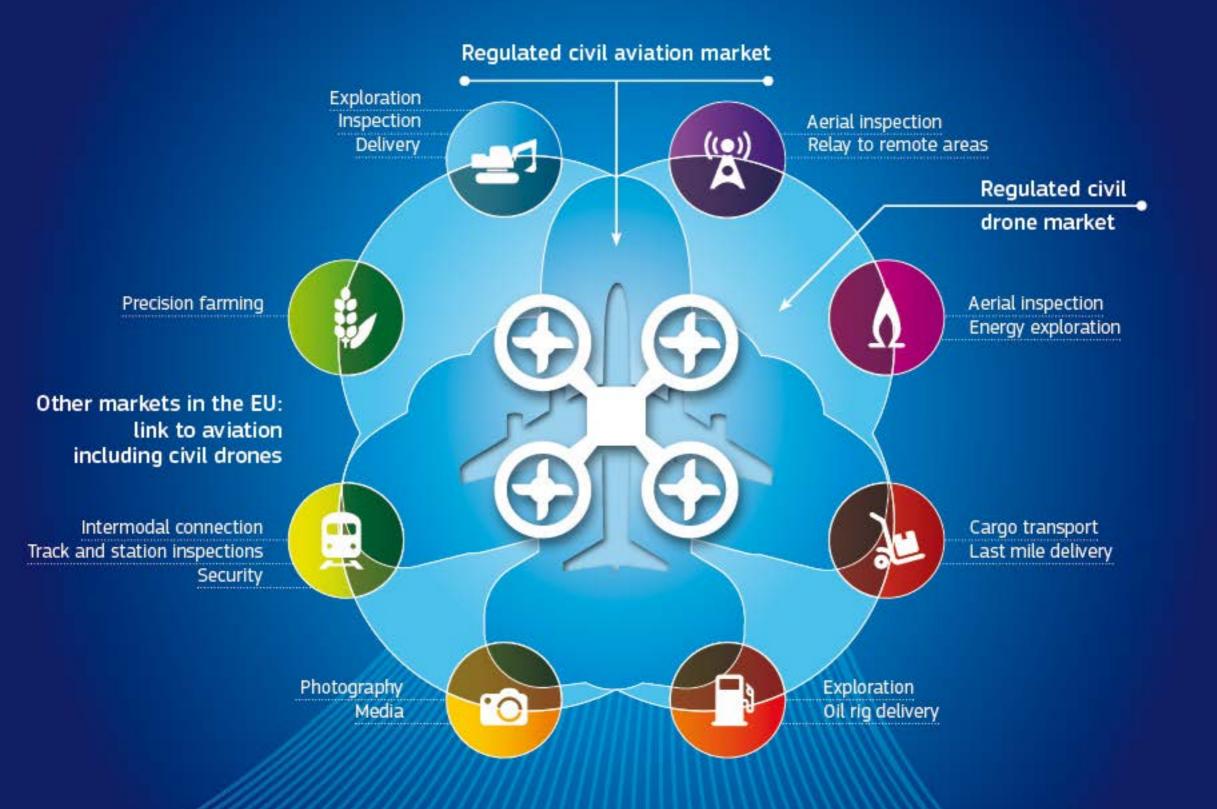
2014 - 2035

of EU contribution to SESAR Deployment

App. €30 bn overall investment expected to create growth & 300,000 jobs



Unleashing the potential of the drone market in the EU





Potential of the drone market in the EU



POTENTIAL by 2020:

€200 million to several billion

DRONE SERVICE PROVIDERS

DIRECT IMPACT







WIDER EU MARKET

INDIRECT IMPACT





















Oil rig delivery



Setting up rules for safe drone operations in the EU

Open operations LOW RISK



DRONES

- Flying own drone / Photography and filming / industrial operations...
- Example: a farmer using drones over his own property

Specific operations
RISK DEPENDING ON TYPE OF OPERATIONS



AVIATION

Private piloting and aerial work by small



DRONES

- Mailing / Infrastructure inspections / commercial or industrial operations...
- Example: filming of sport events
- Rules adapted to the level and nature of risk

Certificated operations
TRADITIONAL RISK



AVIATION

- Passenger and cargo transportation



DRONES

- Remote pilote license
- Certification of drones
 - Operation manual



Product Safety rules Enforcement by police **Aviation specific rules**

Enforcement of rules by aviation authorities

Aviation specific rules

Enforcement of rules by aviation authorities



Drone operations now and in the future?

